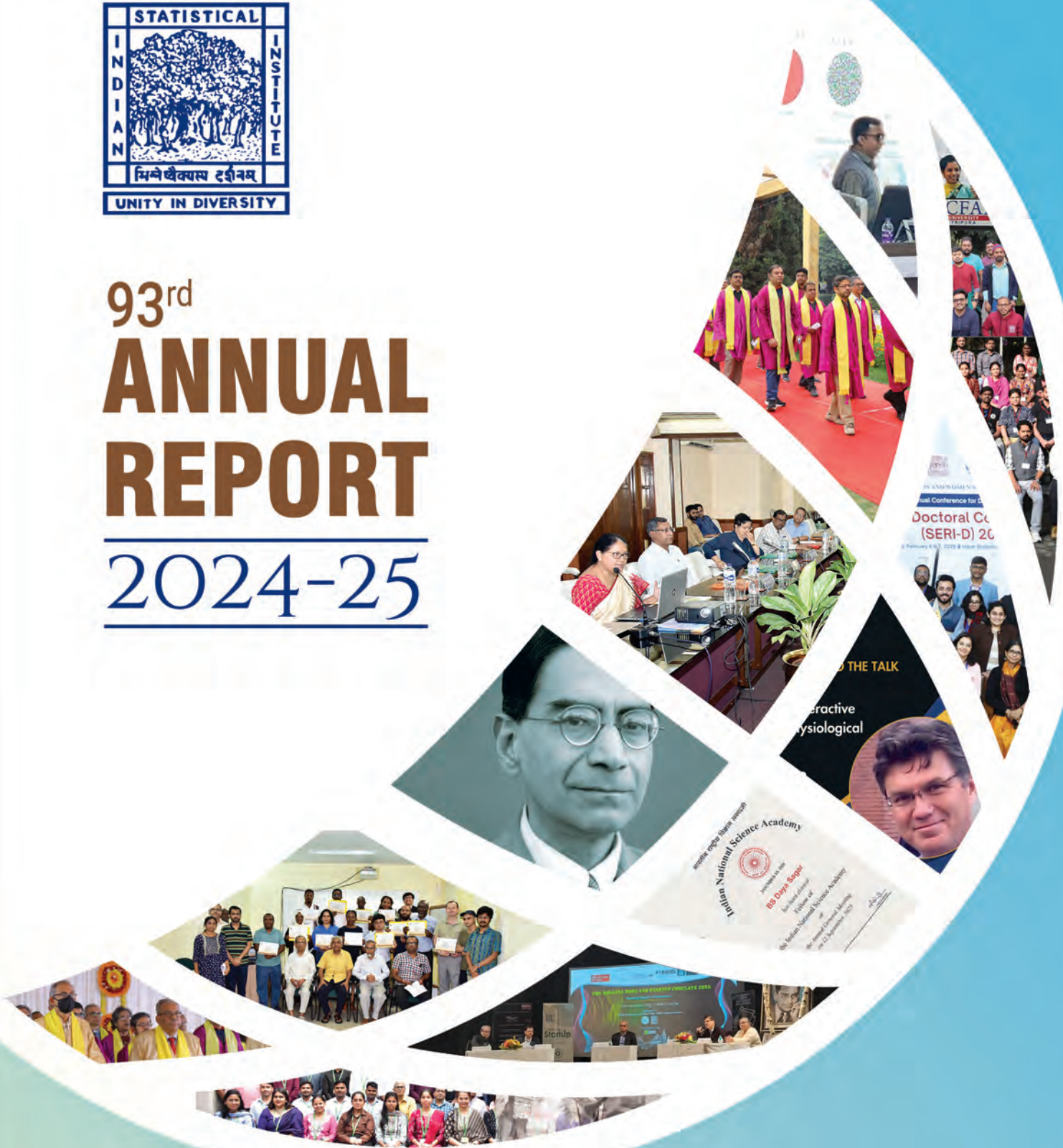




93rd ANNUAL REPORT 2024-25



INDIAN STATISTICAL INSTITUTE



93rd
**ANNUAL
REPORT**

2024-25



Indian Statistical Institute

203, Barrackpore Trunk Road, Kolkata - 700108
<https://www.isical.ac.in>

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PREFACE

The Annual Report 2024-25 endeavours to summarize the salient research, teaching, training and consultancy activities which the ISI faculty members carried out during the period under review.

An important event during this year has been the celebration of the Golden Jubilee of the Delhi Centre. In fact, the Annual Convocation was held this year in Delhi precisely for this purpose. The Annual Report of this year traces the genesis and growth of the Delhi Centre. I am grateful to my colleague Prof. Antar Bandopadhyay, Head – Delhi Centre for readily agreeing to write this piece.

We have tried to collect most of the relevant information on-line this year. We are working hard so that the faculty members need to fill up only one form from which reports for all relevant occasions may be extracted. This form – I must acknowledge – has not been perfected and there is room for improvement. The committee will be working to improve the on-line collection system.

The compilation of this report requires the support and co-operation of not only the scientific workers but also of the non-scientific workers. They are gratefully acknowledged. Our colleagues at the Reprography and Photography Unit deserve special mention for helping the Editorial Committee with the required photographs from their archives. Special thanks are due to our colleagues at the Public Relations Unit for tirelessly burning the mid-night oil for its completion. I am also grateful to my colleagues on the Editorial Board for their advice and support. I should also thank the vendor M/s Espace for rising to the occasion and doing a beautiful job in a short time. Inadvertent errors and/or omissions are regretted.

M Z Anis
Chairperson

The Editorial Board

Md. Zafar Anis	-	Chairperson	Sarbani Palit	-	Member
Antar Bandyopadhyay	-	Member	Sandip Barui	-	Member
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Biswaranjan Behera	-	Member	Subhajyoti Das	-	Member
B.S. Daya Sagar	-	Member	Subhamoy Maitra	-	Member
Sujata Ghosh	-	Member	Sujan Dutta	-	Member
Manoj Kumar Pandey	-	Member	Swapan Rana	-	Member
Niladri Sekhar Dash	-	Member	Kishore Chandra Satpathy	-	Member-Joint Convener
Raghunath Chatterjee	-	Member	Utpal Mahato	-	Member-Joint Convener
Ravinder Kumar	-	Member			



From the Desk of the Director

Sanghamitra Bandyopadhyay



The Institute launched its third bachelor's degree program, the **Bachelors of Statistical Data Science (BSDS)**, starting from the July 2024 session.

This is a four-year program with an exit option after three years and an option to continue for a Master's degree in the fifth year, taught simultaneously in Kolkata, Delhi, and Bangalore.



I feel honoured to present the Annual Report 2024-25 of the Indian Statistical Institute. Prof. Prasanta Chandra Mahalanobis founded this Institute in 1931 with a unifying approach towards interdisciplinary research, encouraging theoretical developments in Statistics as well as their close interaction with the natural and social sciences for mutual development of Statistics and these sciences. Keeping with the times, the institute has transformed itself during its journey of ninety-three years, adopting newer approaches for training brilliant young minds, solving industrial problems and undertaking various multidisciplinary Government projects.

The year 2024-25 saw the Institute continue to flourish under the able leadership and guidance of Prof Sankar Kumar Pal, the President of the Institute, and Dr. Koppillil Radhakrishnan, the Chairman of the ISI Council. The Institute conducted the 59th Convocation in January 2025 in the Delhi Centre of the Institute to commemorate the Golden Jubilee of the Centre. Professor Abhijit Vinayak Banerjee, winner of the Nobel Memorial Prize in Economics in the year 2019, was the Chief Guest while Dr. Saurabh Garg, Secretary, Ministry of Statistics and Program Implementation was the Special Guest of the event.

The faculty members and students of the Institute have won a number of honors and awards in the past year through their advanced scientific pursuits. I take this opportunity to mention some of these here. Neena Gupta of Theoretical Statistics & Mathematics Unit won the Infosys Prize 2024 in Mathematical Sciences. She also delivered the prestigious AWM-AMS Emmy Noether Lecture in Seattle. Souvik Roy of Applied Statistics Unit, Kolkata was awarded the Mahalanobis Memorial Medal - National Award for the year 2024. Susmita Sur-Kolay, who superannuated from the Advanced Computing and Microelectronics Unit, ISI Kolkata was elected Fellow of the Indian National Science Academy. Md. Zafar Anis of Statistical Quality Control and Operations Research, Kolkata was elected a member of International Statistical

“
The Institute held its **59th Convocation** in January 2025 at the Delhi Centre, commemorating the Golden Jubilee of the Centre.

The event featured **Professor Abhijit Vinayak Banerjee**, winner of the 2019 Nobel Memorial Prize in Economics, as the Chief Guest.

”

Institute. Tridip Kumar Mandal was selected as an Associate Fellow of West Bengal Academy of Science and Technology. The Institute President, Prof Sankar Kumar Pal, National Science Chair, was selected for the prestigious INSA Distinguished Lectures. Prof. Somnath Dasgupta, INSA Distinguished Scientist at ISI Kolkata received the Hari Narain Lifetime Achievement Award from the Indian Geophysical Union (IGU). Tamojit Sadhukhan of Theoretical Statistics and Mathematics Unit received the International Mathematical Union Breakout Graduate Fellowship. Sinchan Snigdha Adhikary, an alumna of ISI Kolkata, secured the first rank in the Indian Statistical Service (ISS) Examinations held by the Union Public Service Commission (UPSC). Another alumna, Sourav Chatterjee, FRS, was elected a Member of the American Academy of Arts and Sciences in 2024. There are many more colleagues and students who have won honors and accolades. The full list is included in a part of this Annual Report. We are proud of the achievements of all of them, and those of the others whom I could not mention here.

Like every year, the Institute had conducted many conferences, symposiums, workshops, training programs round the year. The scientific fraternity of the Institute had published scientific articles in journals of repute. The faculty members were invited by various universities and organizations across the globe to deliver keynote lectures and for collaborative research. They have undertaken various national and international assignments during last year, including sponsored projects. The Institute undertook a series of outreach programmes in schools, colleges, and other institutions, aimed at promoting greater awareness and interest in Statistics, Mathematics, and allied sciences. The Institute has signed/extended several MoUs with other organizations from the government, industry and academia. All these are listed in different parts of this report.

From the July 2024 session, the institute started its third bachelor's degree program, namely Bachelors of Statistical Data Science (BSDS). This is a four-year Bachelors program with an exit option after three years, and an option of

continuing in the fifth year for a Master's degree. The course is taught simultaneously in the Headquarters in Kolkata and the Centres in Delhi and Bangalore. All the other programs, including the fully online Post Graduate Diploma in Applied Statistics that the Institute runs in partnership with Coursera, and the two-year long tri-Institute Post Graduate Diploma in Business Analytics program, organized jointly by ISI, IIT Kharagpur and IIM Calcutta continue to garner deep interest from the students' community. Placements record of ISI graduates remains strong.

The Centre for research on the Economics of Climate, Food, Energy and Environment (CECFEE) in ISI Delhi and the Centre for Artificial Intelligence and Machine Learning (CAIML) continue to remain engaged in state-of-the-art research and capacity building activities. The RC Bose Centre for Cryptology and Security has undertaken a project on Information Security Education & Awareness, Phase – III, which is an initiative of the Ministry of Electronics and Information Technology (MeitY), Government of India for skilling human resource in the area of Information Security and creating general awareness on Cyber Security among the masses. The Centre also offers a short-term courses on the basics of Cryptology, Security and allied disciplines for Government officials and scientists as well as a number of internship programs. The Institute of Data Engineering, Analytics and Science (IDEAS) Foundation, the Technology Innovation Hub set up under the NM-ICPS mission, has conducted a number of training programs and R&D projects.

IDEAS also conducts a large number of online internship programs. The journal *Sankhya* published by Springer in two series – *Sankhya A* and *Sankhya B* – has a new Editor-in-Chief, Prof. Soumendranath Lahiri, and a fresh editorial team after the term of Prof. Dipak Dey as the Editor-in-Chief got over. The International Statistical Education Centre (ISEC) successfully completed the 75th batch of the ten month long Diploma Course on Statistical Theory and Applications under the ITEC program of the Ministry of External Affairs.

I am indebted to the President of the Institute, Prof Sankar Kumar Pal the Chairperson of the ISI Council, Dr. Koppillil Radhakrishnan as well as the former Chairperson of the Council Dr. Pronab Sen for the terms 2022-2024, the Deputy Director, Prof. Dipti Prasad Mukherjee and all former and current members of the ISI Council for their leadership and guidance, which have greatly contributed to the Institute's activities during 2024–2025. My sincere thanks also go to the Secretary and the Additional Secretary of the Ministry of Statistics and Programme Implementation, and to all officials of the administrative ministry for their continued support and encouragement. I extend my heartfelt gratitude to all scientific and non-scientific staff, students, and well-wishers of the Institute for their cooperation and contributions towards the all-round development of the Institute.

Sanghamitra Bandyopadhyay

March 31, 2025

Chapter

1

The Institute





Founder : Professor Prasanta Chandra Mahalanobis

About The Institute

The Indian Statistical Institute, an Institute of National Importance, is a premier and internationally acclaimed research, teaching and training institute.



Vision

To nurture Statistics as a unifying force across disciplines; encompass emerging areas of research in all our scientific divisions and strive towards advancing data driven strategies for national development and social welfare.



Mission

- To promote the study and dissemination of knowledge of Statistics, to develop statistical theory and methods, and their use in research and practical applications at large, with special reference to problems of planning for national development and social welfare;
- To undertake research in various fields of natural and social sciences with a view to the mutual development of Statistics and these sciences;
- To provide for, and undertake, the collection of information, investigations, projects, and operational research for purposes of planning and the improvement of efficiency of management and production; and
- To undertake any other ancillary activities in fulfillment of the objectives stated above.

1.1 Locations

Campus Locations and Outlying SQC&OR Units

The Indian Statistical Institute was formally established in 1932. The Institute has its headquarters in Baranagar, Kolkata. It has four other centres at Delhi, Bangalore, Chennai and Tezpur, and a branch at Giridih. The R.C. Bose Centre for Cryptology and Security was created in 2014 and is also located in Kolkata. The various locations are shown on a map of India along with a separate list of units at each campus.

At Kolkata, West Bengal

1) The Head Quarter of ISI

The headquarters of the Institute, which shifted to its present campus in 1953, has a lush green sprawling campus in the northern fringe of the Kolkata metropolis. It has 19 academic units, a large and vibrant library, a computer and statistical services centre, two museums, two centres of excellence, two Associate Institution of ISI and a Technology Hub. They are listed below:-

1. Advanced Computing and Microelectronics Unit (ACMU)
2. Agricultural and Ecological Research Unit (AERU)
3. Applied Statistics Unit (ASU)
4. Biological Anthropology Unit (BAU)
5. Center for Soft Computing Research (CSCR): A National Facility (An Associate Institution of ISI)
6. Centre for Artificial Intelligence and Machine Learning (CAIML)
7. Computer and Statistical Services Centre (CSSC)
8. Computer Vision and Pattern Recognition Unit (CVPRU)
9. Economic Research Unit (ERU)
10. Electronics and Communication Sciences Unit (ECSU)
11. Geological Studies Unit (GSU) and the Geology Museum
12. Human Genetics Unit (HGU)
13. Interdisciplinary Statistical Research Unit (ISRU)
14. International Statistical Education Centre (ISEC) (An Associate Institution of ISI)
15. Library and the PCM Memorial Museum and Archives (PCMMMA)
16. Linguistic Research Unit (LRU)
17. Machine Intelligence Unit (MIU)
18. Physics and Applied Mathematics Unit (PAMU)
19. Population Studies Unit (PSU)
20. Psychology Research Unit (PRU)
21. Sampling and Official Statistics Unit (SOSU)
22. Sociological Research Unit (SRU)
23. Statistical Quality Control & Operations Research Unit (SQC&ORU)

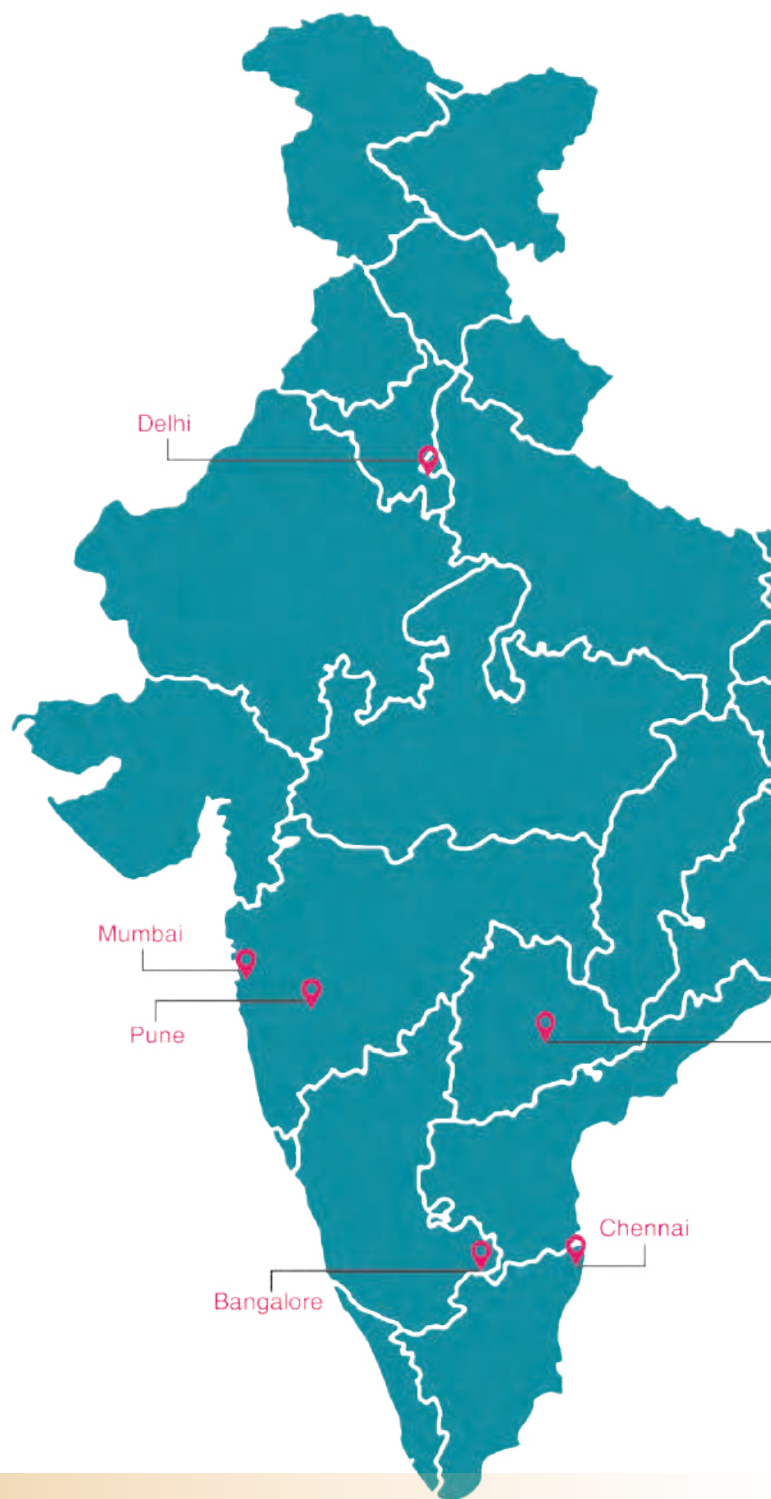
24. Stat-Math Unit (SMU)
25. Technology Innovation Hub (TIH)

The TIH centre was established on March 16, 2021 pursuant to the decision of the ISI Council in its meeting held on December 22, 2020

II) The RC Bose Centre

The R.C. Bose Centre for Cryptology and Security at Kolkata was created in 2014 as a national hub for cryptographic requirements. This Centre has only one Unit at present.

1. Cryptology and Security Research Unit (CSRU)



The Bangalore Centre, Karnataka

The Bangalore Centre was conceived by Professor P.C. Mahalanobis during the 1960s. The Statistical Quality Control Unit had been functioning in Bangalore since 1956 and the Documentation Research and Training Centre was set up in 1962. The activities of the Bangalore Centre started in September 1978 in a rented building and the various units moved to the present campus in May 1985. The Bangalore Centre was formally declared as a Centre of ISI in September 1996. The present campus, full of eucalyptus trees, is located on Mysore Road on the outskirts of the city and is close to the Bangalore University campus. Presently the Centre has six units and a library, namely –

1. Applied Statistics Unit (ASU)
2. Documentation Research and Training Centre (DRTC)
3. Economic Analysis Unit (EAU)
4. Library
5. Statistical Quality Control & Operations Research Unit (SQC&ORU)
6. Stat-Math Unit (SMU)
7. Systems Science and Informatics Unit (SSIU)



The Delhi Centre, Delhi

The Delhi Centre was established in 1974 within the Planning Commission premises. It shifted to its present campus in 1975. It is located in a part of South Delhi known as the Qutub Institutional Area. The Centre is composed of the following:

1. Economics and Planning Unit (EPU)
2. Stat-Math Unit (SMU)
3. Statistical Quality Control & Operations Research Unit (SQC&ORU)
4. Statistical Sciences Unit (StatSU)
5. Library

6. Centre for research on the Economics of Climate, Food, Energy and Environment (CECFEE)

The Statistical Sciences Unit (StatSU) was established on September 17, 2024.

The Chennai Centre, Tamil Nadu

The Chennai Centre came into existence in 2008 and is presently located at 37, Nelson Manickam Road (First Floor), Aminjikarai, Chennai. The Centre has three units and a library, namely -

1. Applied Statistics Unit (ASU)
2. Computer Science Unit (CSU)
3. Library
4. Statistical Quality Control & Operations Research Unit (SQC&ORU)

The North-East Centre at Tezpur, Assam

The North-East Centre at Tezpur was established in 2011 and is presently located at Punioni, Solmara which is north of Tezpur and is close to Tezpur University, the Defence Research Laboratory (DRL) and the Defence Research & Development Organization (DRDO). The Centre has the following three units and a library-

1. Applied and Official Statistics Unit (AOSU)
2. Library
3. Socio-Economic Research Unit (SERU)
4. Theoretical and Applied Sciences Unit (TASU)

The Giridih Branch, Jharkhand

The Giridih branch was started in 1931 and is situated at the heart of Giridih town. The sprawling campus of the Giridih branch includes three land parcels. Besides the office buildings, Giridih has two large agricultural farms adjacent to the river Ushri. The farms with different land situations (high, mid and low) are ideal for conducting agricultural experiments and have well-equipped laboratories as well. The Giridih branch has two operational units functioning under the respective units in Kolkata-

1. Agricultural & Ecological Research Unit (AERU)
2. Sociological Research Unit (SRU)

The Statistical Quality Control & Operations Research (SQC & OR) Units

The Institute has a network of seven Statistical Quality Control & Operations Research (SQC&OR) units spread across the country. In addition to the units functioning from its headquarters at Kolkata and from other centres in Delhi, Bengaluru and Chennai, the other three units are located in-

1. Hyderabad, Telangana
2. Mumbai, Maharashtra
3. Pune, Maharashtra

1.2 Organizational Chart

◆ Academic Divisions

1. Biological Sciences Division (BSD)

- Agricultural & Ecological Research Unit (AERU), Kolkata & Giridih
- Biological Anthropology Unit (BAU), Kolkata
- Human Genetics Unit (HGU), Kolkata

2. Computer and Communications Sciences Division (CCSD)

- Advanced Computing and Microelectronics Unit (ACMU), Kolkata
- Computer Science Unit (CSU), Chennai
- Computer Vision and Pattern Recognition Unit (CVPRU), Kolkata
- Cryptology and Security Research Unit (CSRU), Kolkata
- Electronics and Communication Sciences Unit (ECSU), Kolkata
- Machine Intelligence Unit (MIU), Kolkata
- Systems Science and Informatics Unit (SSIU), Banalore

3. Library, Documentation and Information Sciences Division (LDISD)

- Library, Bangalore
- Library, Chennai
- Library, Delhi
- Library, Kolkata
- Prasanta Chandra Mahalanobis Memorial Museum & Archives
- Library, North-East Centre, Tezpur

4. Physics and Earth Sciences Division (PESD)

- Geological Studies Unit (GSU), Kolkata
- Geological Museum
- Physics and Applied Mathematics Unit (PAMU), Kolkata
- Theoretical and Applied Sciences Unit (TASU), North-East Centre, Tezpur

5. Social Sciences Division (SSD)

- Documentation Research and Training Centre (DRTC), Bangalore
- Economic Analysis Unit (EAU), Bangalore
- Economics and Planning Unit (EPU), Delhi
- Economic Research Unit (ERU), Kolkata
- Linguistic Research Unit (LRU), Kolkata
- Population Studies Unit (PSU), Kolkata
- Psychology Research Unit (PRU), Kolkata
- Socio-Economic Research Unit (SERU), North-East Centre, Tezpur
- Sociological Research Unit (SRU), Kolkata & Giridih

6. Statistical Sciences Division (StatSD)

- Applied and Official Statistics Unit (AOSU), North-East Centre, Tezpur
- Applied Statistics Unit (ASU), Bangalore
- Applied Statistics Unit (ASU), Chennai
- Applied Statistics Unit (ASU), Kolkata
- Interdisciplinary Statistical Research Unit (ISRU), Kolkata
- Sampling and Official Statistics Unit (SOSU), Kolkata
- Statistical Sciences Unit (StatSU), Delhi

7. Statistical Quality Control and Operations Research Division (SQCORD)

- SQC & OR Unit, Bangalore
- SQC & OR Unit, Chennai
- SQC & OR Unit, Delhi
- SQC & OR Unit, Hyderabad
- SQC & OR Unit, Kolkata
- SQC & OR Unit, Mumbai
- SQC & OR Unit, Pune

8. Theoretical Statistics and Mathematics Division (TSMD)

- Theoretical Statistics and Mathematics Unit (SMU), Bangalore
- Theoretical Statistics and Mathematics Unit (SMU), Delhi
- Theoretical Statistics and Mathematics Unit (SMU), Kolkata

◆ Teaching and Training

1. Dean's Office
2. Placement Cell

◆ Associate Institutions

1. Center for Soft Computing Research (CSCR): A National Facility, Kolkata
2. International Statistical Education Centre (ISEC), Kolkata

◆ Centres of Excellence

1. Centre for Artificial Intelligence and Machine Learning (CAIML)
2. Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE)

◆ Technology Innovations Hub (TIH)

◆ Computer and Statistical Service Centre (CSSC), Kolkata

Administrative Services Division

1. Director's Office

- Cell for Co-operation with Academia, Industry & Research labs (CCAIR)
- Faculty Recruitment Cell
- PhD/ DSc Cell
- ST/SC/OBC Liaison Cell

2. CE (A&F)'s Office

- Accounts Section
- Audio Visual Unit
- Canteen
- Cash Unit
- Central Despatch Unit
- Council Section
- Electrical Maintenance Unit
- Engineering Unit
- Estate Office
- Guest House
- Hostels

- House Building Advance Cell
- Human Resource Development Unit
- Import/ Travel Cell
- Internal Audit Cell
- Legal Cell
- Medical Expenses Reimbursement Unit
- Medical Welfare Unit
- Official Language Cell
- Personnel Unit
- Provident Fund Unit
- Public Relations Unit
- Printing and Publication Unit
- Retirement Benefit Cell
- RTI, Grievance, Complain Cell
- Security Unit
- Stores and Purchase Unit
- Telephone Unit
- Transport Unit

1.3 ISI: Course of Important Events

1931-1980

- PC Mahalanobis establishes ISI in 1931
- First international journal of Statistics in India, Sankhya, foreword by Rabindranath Tagore in 1933
- Path-breaking discoveries by ISI scientists:
Mahalanobis distance, large scale sample survey method - PC Mahalanobis
Cramer-Rao Bound, Rao-Blackwell Theorem - CR Rao
BCH Error-correcting codes - RC Bose
Theory of large deviations - SRS Varadhan
Bahadur Efficiency and Basu's Theorem in Statistics
- National Sample Survey (NSS) was conceived for the collection of socio-economic data in 1950
- UNESCO empowers ISI to train statisticians of developing countries – International Statistical Education Centre (ISEC) established in 1950
- Second Five-Year Plan drafted in 1954
- ISI designs the first analog computer in India in 1954
- ISI imports and installs the first digital computer in India, HEC-2M, in 1955
- Dinosaur fossil, Barapasaurus tagorei, discovered by ISI geologists

- ISI recognized as an Institute of National Importance by a Central Act in 1959
- First digital computer (ISI-JU-1) built and commissioned (1961-1966)
- Delhi Centre of ISI established in 1974
- Bangalore Centre of ISI established in 1978

1981-2004

- M. Tech Program in Computer Science [M.Tech (CS)] started in 1981.
- Nodal Centre for a 5th Generation Knowledge-Based Computer Systems (FGCS/KBCS) in the fields of Pattern Recognition, Computer Vision, Image Processing and Artificial Intelligence established in 1987
- M. Tech Program in Quality, Reliability & Operations Research [M.Tech (QROR)] started in 1989.
- M. S. Program in Quantitative Economics [MS (QE)] started in 1996.
- Computer-based dictionary in the Indian Language (Bangla) developed for use by blind persons in 1996
- Bachelor's Program in Mathematics [B.Math] started in 2000.
- Master's Program in Mathematics [M.Math] started in 2003.



ISI, Bangalore

2005- till date

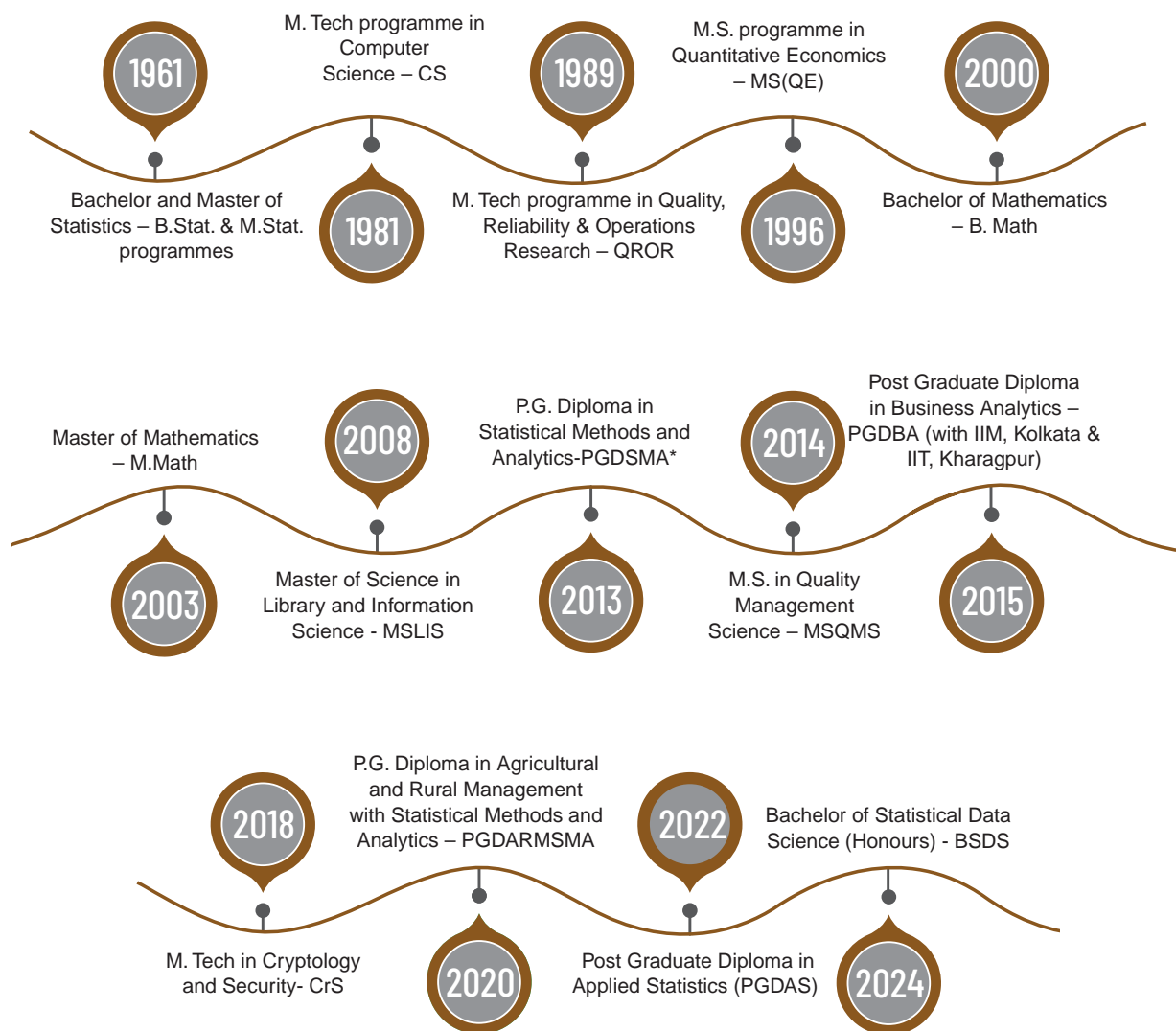
- Introduction of Soft Computing in India and establishment of the first Centre for Soft Computing Research in Asia in 2005
- Outreach program: North-East in 2005
- 29th June declared as the National Statistics Day during the Platinum Jubilee celebrations at ISI by the then Prime Minister, Dr. Manmohan Singh in 2006
- Chennai Centre of ISI established in 2008
- M. S. Program in Library & Information Science [MS (LIS)] started in 2008.
- Pioneering work in Artificial Intelligence and Machine Learning, Bioinformatics, Computational Genetics, Cryptology, Indian Language Technologies, Population Genomics, Soft Computing Technology
- North-East Centre of ISI established for the development of the region in 2011
- M. S. Program in Quality Management Science [MS (QMS)] started in 2014.
- RC Bose Centre for Cryptology and Security established in 2014
- Teaching and training in Official Statistics & Policy Research initiated
- Seminal contributions in Game theory, Algebraic Geometry, Poverty and Inequality measures, Disease Genetics, Granular Computing
- A tri-institute Post-Graduate Program in Business Analytics [PGDBA] started in 2015.
- Discovery of *Shringasaurus indicus* in 2017
- M. Tech Program in Cryptology & Security [M.Tech (CrS)] started in 2018.
- Centre for Artificial Intelligence and Machine Learning established in 2019
- Computational and experimental biology research; cancer, auto-immune and neuro-degenerative diseases
- Centre for Research on the Economics of Climate, Food, Energy and Environment, Delhi recognized as Centre.
- Technology Innovation Hub established in 2020
- Coal Index developed and adopted by Coal Ministry.
- Development of an Integrated Solution for Automatic Assessment of Autism using visual attention, facial expression and vocal emotion cues.
- Development of a computer vision based vehicle type and vehicle number detection system.
- Development of National Mineral Index.
- Applied Statistics Division has been restructured and renamed as Statistical Sciences Division (StatSD).
- Establishment of a new Unit Statistical Sciences Unit (StatSU) under Statistical Sciences Division (StatSD) at ISI, Delhi Centre.

ISI, Kolkata

◆ **Thinking ahead of times!**

Academic programmes introduced in ISI

- The Institute began offering its internationally-acclaimed UG and PG programmes in Statistics, (B.Stat. and M.Stat.) in 1961, empowered by The Indian Statistical Institute Act of 1959 to award degrees.
- This Act was amended by the Parliament of India in 1995 to empower the Institute to award Degrees/Diplomas not only in Statistics but also in Mathematics, Quantitative Economics, Computer Science and other subjects related to Statistics as may be determined by the Institute from time to time.
- ISI also started awarding Ph.D. degrees in the areas of Mathematics, Quantitative Economics, Computer Science as well as Quality, Reliability and Operations Research, in addition to the original discipline, namely, Statistics.
- Several degree/diploma programmes have been introduced subsequently. A timeline of the innovative programmes introduced in ISI are as follows –



PGDSMA Program

*The PGDSMA was initially introduced in 2011-12 as PG Diploma in Statistical Methods with Applications at the North-East Centre and later renamed in 2013. The programme has been running successfully at Tezpur, with 50% of its seats reserved for candidates domiciled in the Northeast region. Since 2019, this programme is also being offered simultaneously at the Chennai centre for candidates from all over India.

1.4 A Brief History of The Institute

In the 1920's, Prasanta Chandra Mahalanobis, then a Professor of Physics at Presidency College, Calcutta conducted several studies employing statistical methods with results that vindicated his ideas about the efficacy and possibilities of the emerging science of Statistics.

The Indian Statistical Institute (ISI) was formally established on 17 December 1931 in a meeting presided by Sir R.N. Mookerjee, the first President of the Institute, and Prasanta Chandra Mahalanobis was appointed as the Honorary Secretary.

On April 28, 1932 the Indian Statistical Institute was registered as a non-government and non-profit distributing learned society under the Societies Registration Act No. XXI of 1860. The Institute is now registered under the West Bengal Societies Registration Act XXVI of 1961, as amended in 1964.

The Institute started functioning initially from a room of the then Presidency College (now Presidency University) with enduring support from several distinguished personalities and devoted scholars in Calcutta. Over the first two decades, which turned out to be a glorious chapter in the annals of Indian science and institution building, the ISI embarked upon a series of pioneering programmes involving the application of Statistics in search of solution to the urgent and live problems of the country. Such programmes included innovative projects on sample surveys of yield and land utilization of crops, socio-economic after-effects of the Bengal famine and problems of flood research. These innovations and methodological research have since become classics in Statistics. At the same time, the training of scientific personnel began to grow. This also encouraged high-level research and brought into focus the need for publication of the research results, for which *Sankhyā*, the first international journal of Statistics in the country came into being in 1933.

When India became independent, the Institute played a pivotal role in the task of nation-building through the brilliant choice of the area of surveys, which were socially and nationally relevant. The patronage and invaluable contribution of Sir Ronald A. Fisher played an important role. Led by Professor Mahalanobis and

a very capable group of younger statisticians including R.C. Bose, S.N. Roy and C.R. Rao, the Institute was poised to take on the larger role. In 1954 Pandit Jawaharlal Nehru, the then Prime Minister of India, entrusted Professor Mahalanobis and ISI with the responsibility of preparing the draft Second Five-Year Plan for the country. The draft submitted by Professor Mahalanobis and the planning models formulated by him and his colleagues have since been regarded as major contributions to economic planning in India. The formal recognition came in December 1959, when the then Prime Minister, Pandit Jawaharlal Nehru himself piloted the enactment of the Indian Statistical Institute Act of 1959 in the Parliament. This Act designated ISI as an 'Institution of National Importance'. The activities of ISI steadily grew, existing interests became more broad-based and a number of science units were created in the interest of live interaction between Statistics and Natural and Social Sciences. Empowered by the Act to award degrees, the Institute started the B. Stat. and M. Stat. programs. An excellent library was established at Kolkata and the Documentation Research and Training Centre began functioning in Bangalore. Other developments in infrastructure also began.

The Indian Statistical Institute Act of 1959 was amended by the Parliament in 1995, empowering the Institute to award Degrees/Diplomas not only in Statistics, but also in Mathematics, Quantitative Economics, Computer Science and such other subjects related to Statistics as may be determined by the Institute from time to time. Several degree/diploma programmes have been introduced subsequently. The detailed list is given in Chapter 2.

On December 24, 2006, during the inauguration of the Platinum Jubilee celebrations of the Institute (2006-07), Dr. Manmohan Singh, the then Prime Minister of India declared the birth anniversary (29th June) of Prof. P.C. Mahalanobis as the National Statistics Day.

◆ Visitors

The Institute, since its formative period till present times, has had many eminent visitors, some of whom were Nobel Laureates. Besides Ronald A. Fisher, J.B.S. Haldane and

Walter A. Shewhart, the luminaries included Frederic and Irene Curie, Neils Bohr, A.N. Kolmogorov, P.M.S. Blackett, J.D. Bernal, Joan Robinson, William Edwards Deming, Joseph M. Juran, Genichi Taguchi and George Akerlof (Nobel prize in economics, 2001). Incidentally, George Akerlof was a visiting professor at ISI during 1967-68. During recent times, the visit of Amartya K. Sen, Robert Aumann, Lotfi A. Zadeh,

Roger Penrose, Joseph E. Stiglitz, Sir James A. Mirrlees, Eric Maskin, Ei-ichi Negishi, Ada Yonath, David Jonathan Gross and S.R.S. Varadhan (Abel Prize, 2007 for his contributions to probability theory and an alumnus of the institute) may be specially mentioned. The Institute is proud to have C.R. Rao, who was among the world leaders in statistical science, in its list of illustrious alumni.



Madame Curie & P.C. Mahalanobis on 25.01.1950



J.D. Bernal, Mrs. Mahalanobis, Frederic Joliot-Curie, Madame Irene Joliot-Curie and P.C. Mahalanobis on 25.01.1950



P.C. Mahalanobis, Niels Bohr, Nobel Laureate, Director, Institute of Theoretical Physics, Copenhagen, Mrs. Bohr and Mrs. Mahalanobis on a conversation at Amrapali on 16.01.1960

1.5 Indian Statistical Institute, Delhi Centre

◆ From Vision to Legacy: 1974–2024-A Golden Jubilee Commemoration

The origins of the Indian Statistical Institute, Delhi Centre can be traced back to the close association between Professor Prasanta Chandra Mahalanobis, the founder of ISI, and India's national planning process. During the 1950s, as the country embarked upon its ambitious development programmes, Mahalanobis played a central role in shaping the Second Five-Year Plan, which emphasised industrialisation guided by statistical and analytical methods.

While much of the research and data analysis for the Planning Commission was carried out at ISI Kolkata, the intensity of collaboration required a Delhi-based presence. Thus, a small ISI team was set up in Yojana Bhavan, the Headquarters of the Planning Commission, to facilitate direct interaction between ISI scientists and government planners.

This modest beginning marked ISI's first formal footprint in Delhi. It was an arrangement born of necessity — but it quickly became clear that such proximity to policymakers was intellectually productive and strategically vital. The Yojana Bhavan group grew steadily, becoming a small but vibrant outpost of ISI's distinctive blend of statistical rigour and national service.

As the 1960s unfolded, Delhi emerged as a national hub of economics, policy research, and higher education. ISI's involvement with the Planning Commission naturally attracted many prominent economists to the city, several of whom became associated with the Institute either as faculty members or visiting scholars.

Among them were Dr. C. Rangarajan, who would later become the Governor of the Reserve Bank of India and a leading policy economist, and Professor George Akerlof, who would go on to receive the Nobel Memorial Prize in Economic Sciences in 2001. Both spent academic years at ISI Delhi during this formative period, helping establish the Centre's early academic reputation and cosmopolitan outlook.

The Yojana Bhavan office became a lively site for economic modelling, planning exercises, and statistical analysis that supported India's developmental policies. As its influence and responsibilities grew, the need for a permanent ISI establishment in Delhi gained urgency. The idea of setting up a dedicated Delhi Centre began to take shape toward the end of the decade.

By around 1970, discussions to secure land for a full-fledged ISI Centre in Delhi reached fruition. The government allotted



Academician H. Cramer and Prof. C. R. Rao at ISI Delhi Centre

land in the Mehrauli area (later it was termed as the Qutab Institutional Area), surrounded by other emerging research and higher-education institutions.

Plans for the campus were drawn up in the early 1970s, reflecting ISI's tradition of creating spaces conducive to research, teaching, and collaboration. Sadly, Professor Mahalanobis passed away before construction was completed, but the vision he had nurtured — of a Delhi-based node of ISI contributing to national policy and academic excellence — was carried forward by his successors and colleagues.

The construction was completed in 1974, and on December 31st, 1974, the Delhi Centre of the Indian Statistical Institute was formally inaugurated. This date marks the official birth

of ISI Delhi as an academic centre, the first one outside the Baranagar campus of the Institute in Kolkata.

When the Delhi Centre began its journey, it immediately attracted some of the most distinguished names in Indian statistics and mathematics. Professor C. R. Rao, one of the world's leading statisticians, moved from Kolkata to Delhi and played a pivotal role in shaping its academic direction. Professor S. K. Mitra joined him, further strengthening the teaching and research programmes.

The Master of Statistics (M.Stat.) programme, already ISI's flagship postgraduate degree, was launched in Delhi in 1974, with a specialisation in Advanced Probability and Mathematical Statistics (APMS). This made the new Centre an active participant in ISI's national teaching network right from its inception.

At the same time, Professor K. R. Parthasarathy, a world-renowned probabilist, returned to India after his time abroad and initially joined IIT Delhi. At the persuasion of Professor C. R. Rao, he moved to ISI Delhi, where he became a founding pillar of the Theoretical Statistics and Mathematics Unit (TSMU). His presence, along with other eminent faculty, established ISI Delhi as a leading centre for probability theory, mathematical statistics, and functional analysis.

Parallel to these developments, the Statistical Quality Control and Operations Research (SQC & OR) Unit grew rapidly. Professor K. G. Ramamurthy, who moved from ISI Kolkata in 1975, played a key role in setting up and consolidating the unit. Under his guidance, the SQC & OR specialisation was introduced in the M.Stat. programme, providing a bridge between mathematical theory and industrial applications.

These early appointments laid the foundation for ISI Delhi's dual identity: a rigorous academic centre for pure and applied statistics, and a practical training ground for quantitative work in government and industry. Needless to say that its genesis with economics and policy research continued with many eminent faculty, researchers and visitors.

Through the 1980s and 1990s, ISI Delhi continued to grow in size, scope, and reputation. The Centre evolved into a multi-disciplinary hub, integrating statistics, mathematics, economics, operations research.

The Centre's structure reflected ISI's holistic approach to data and decision sciences. Its key units included:

- Theoretical Statistics and Mathematics Unit (TSMU) – known for foundational research in probability, stochastic processes, statistical inference, functional analysis and non-commutative geometry.
- Economics and Planning Unit (EPU) – focused on development economics, econometrics, and public policy, with close ties to national planning bodies along with economic theory and game theory.

- SQC & OR Unit – providing both academic training and consultancy to industry and government sectors in areas such as process control, optimisation, and logistics.

Faculty members at ISI Delhi contributed extensively to research publications, national committees, and academic collaborations. Many became Fellows of national academies and received prestigious awards, contributing to the global reputation of Indian statistics and quantitative sciences.

The Centre not only conducted ISI's postgraduate teaching programmes but also organised short-term training courses, workshops, and continuing-education programmes for government departments, public-sector enterprises, and private industries. This outreach aligned with Mahalanobis's original vision of using statistics as an instrument of national development.

Students trained at ISI Delhi went on to make notable contributions in academia, data analytics, public policy, finance, and technology, reflecting the Centre's broad intellectual influence.

The Delhi campus, located in the serene Qutab Institutional Area, grew into a compact yet vibrant academic enclave. The red-brick architecture, tree-lined pathways, and green courtyards created a peaceful academic atmosphere.

The campus included academic and administrative blocks, faculty offices, classrooms, a well-stocked library, student hostels, and a guest house that hosted visiting scholars from India and abroad. Its proximity to other academic institutions — such as JNU, IIT Delhi, and IIFT — fostered rich academic exchanges and collaborations.

The year 2024 marked a proud milestone — fifty years since the formal inauguration of ISI Delhi on December 31st, 1974. The Golden Jubilee celebrations were conceived not only as a commemoration of history but as a reaffirmation of ISI Delhi's enduring mission.

The Jubilee year witnessed a series of academic and cultural events. A highlight was the International Conference on Operations Research and Game Theory, organized in January 2024 under the Golden Jubilee banner. The event brought together scholars, practitioners, and policymakers, reflecting the interdisciplinary strength that defines the Delhi Centre.

The Theoretical Statistics and Mathematics Unit organised International Conference on Diophantine Equations, Polynomials and Related Areas (ICDEPRA 2024) in November 2024, where many leading mathematicians of the world participated. The 19th Annual Conference on Economic Growth and Development was organised as a regular event but under the Golden Jubilee banner in December 2024.

A major highlight of the celebration was the start of new

undergraduate course “Bachelor of Statistical Data Science (BSDS)” from the academic year 2024 - 2025. The Institute decided to have this unique programme where the entire course will run in hybrid-mode. Kolkata, Delhi and Bangalore are participating in this programme. For Delhi it was a unique opportunity that its first bachelor programme started in the Golden Jubilee year. The opening ceremony of the programme was held on August 12th, 2024) in the hybrid-mode jointly in Kolkata, Delhi and Bangalore. The whole programme was coordinated from Delhi Centre where Dr. Pronab Sen, Chairman, ISI, Council, Prof. Sanghamitra Bandyopadhyay, Director, ISI and Prof. Antar Bandyopadhyay, Head, ISI, Delhi Centre were present in Delhi. Prof. Sankar Kumar Pal, President, ISI and Prof. Gopal K. Basak, Dean of Studies, ISI, Kolkata joined from Kolkata, while Prof. B. S. Daya Sagar, Head, ISI, Bangalore Centre joined from Bangalore.

To honour the 50 golden years on ISI Delhi the Institute also decided to host its 59th Convocation in Delhi. The first time in the history of ISI the annual convocation was held outside the Headquarters of ISI at Kolkata. The 59th Convocation was presided by Prof. Sankar Kumar Pal, President, ISI. The Chief Guest Prof. Abhijit Banerjee, recipient of the Nobel Memorial Prize in Economic Sciences and Ford Foundation International Professor of Economics, MIT, USA delivered the Convocation address. Dr. Saurabh Garg, IAS, Secretary, Ministry of Statistics and Programme Implementation graced the occasion as the Special Guest. It was an incredible joyous occasion for the whole campus of ISI Delhi to witness the celebratory Academic Procession to mark the beginning of the Convocation and the return of the same to mark its formal end. While the Academic Procession was returning a beautiful tune of one of the celebrated song by Rabindranath Tagore filled the air of the campus which was being played by no human musician but an AI, which was developed by two of ISI’s young scientists: Dr. Deepayan Sarkar of StatSU, Delhi and Dr. Soumendu Sundar Mukherjee of TSMU, Kolkata.

Throughout the year, lectures, seminars, and alumni gatherings celebrated the contributions of generations of faculty, students, and staff. Special sessions revisited the founding years, honouring the visionaries — Mahalanobis, C. R. Rao, S. K. Mitra, K. R. Parthasarathy, and others — who had built the Centre from the ground up.

From its beginnings as a small office in Yojana Bhavan to a thriving research and teaching institution, ISI Delhi’s journey embodies the core ideals of the Indian Statistical Institute: scientific excellence, interdisciplinary collaboration, and service to the nation.

Today, as the Centre stands on the threshold of its next fifty years, it continues to uphold these principles while embracing new challenges. The expansion of data science,



Prof. C. R. Rao Sixtieth Birthday Felicitation, ISI Delhi Centre

artificial intelligence, and quantitative economics offers new frontiers for exploration, while traditional strengths in probability, statistical inference, and operations research remain central to its identity.

The Delhi Centre’s legacy is not merely institutional; it is intellectual and societal. It has trained generations of statisticians, economists, and analysts whose work has shaped academia, industry, and policy across India and beyond. Its story is one of vision realised, challenges met, and excellence sustained — a true testament to Mahalanobis’s enduring idea of a statistics-driven India.

As ISI Delhi celebrated its Golden Jubilee in 2024, the words of Professor Mahalanobis ring truer than ever: “Statistics must be regarded not as a narrow technical specialty, but as a key to understanding the world and shaping it for human welfare.”

The Delhi Centre, born out of that philosophy, continues to live by it — advancing science, informing policy, and inspiring generations to come.



K. R. Parthasarathy planting a tree with his family in ISI, Delhi Centre

1.6 Distinguished scientists and statesmen who have served the Institute since inception

Presidents

1	Sir Rajendra Nath Mookerjee	1932-35
2	Shri E.C. Benthall	1936-37
3	Shri James Reid-Kay	1938
4	Shri Badridas Goenka	1939-41
5	Dr. Nalini Ranjan Sarkar	1942-43
6	Dr. Chintaman D. Deshmukh	1944-63
7	Shri Y.B. Chavan	1964-66
8	Prof. Satyendra Nath Bose	1967-75
9	Shri Subimal Dutt	1976-89
10	Prof. M.G.K. Menon	1990-2012
11	Dr. C. Rangarajan	2012-16
12	Dr. Vijay Kelkar	2016-18
13	Shri Bibek Debroy	2018-22
14	Prof. Sankar Kumar Pal	2022-till date

Chairmen

1	Shri B. Rama Rao	1954
2	Shri D.N. Mitra	1955-63
3	Shri K.P.S. Menon	1964-70
4	Shri S.C. Roy	1971
5	Dr. Atma Ram	1972
6	Shri P.N. Haksar	1973-97
7	Dr. Bimal Jalan	1998-2001
8	Dr. N.R. Madhava Menon	2002-03
9	Shri Pranab Mukherjee	2004-12
10	Shri A.K. Antony	2012-14
11	Dr. Arun Shourie	2014-16
12	Prof. Goverdhan Mehta	2016- 20
13	Dr. Ashok Kumar Lahiri	2020-22
14	Dr. Pronab Sen	2022- 24
15.	Dr. Koppillil Radhakrishnan	2024–till date

Directors

1	Prof. P.C. Mahalanobis	Dec	1931	-	June	1972
2	Prof. C.R. Rao	July	1972	-	June	1976
3	Prof. G. Kallianpur	July	1976	-	Sept	1978
4	Prof. B.P. Adhikari	Aug	1979	-	Oct	1983
5	Prof. Ashok Maitra	Apri	1984	-	Jan	1987
6	Prof. J.K. Ghosh	Jan	1987	-	Jan	1992
7	Prof. B.L.S. Prakasa Rao	Jun	1992	-	Feb	1995
8	Prof. S.B. Rao	July	1995	-	July	2000
9	Prof. K.B. Sinha	Aug	2000	-	July	2005
10	Prof. Sankar Kumar Pal	Aug	2005	-	July	2010
11	Prof. Bimal K. Roy	Aug	2010	-	July	2015
12	Prof. Sanghamitra Bandyopadhyay	Aug	2015	-	July	2020
13.	Prof. Sanghamitra Bandyopadhyay	Sep	2020	-	till date	

D.Sc. (Honoris Causa) awardees

Feb 1962	Prof. Satyendra Nath Bose, Prof. Ronald A. Fisher, Pandit Jawaharlal Nehru, Dr. Walter A. Shewhart
Apr 1962	Prof. A.N. Kolmogorov
May 1965	Dr. Chintaman Dwarkanath Deshmukh
Dec 1974	Prof. Raj Chandra Bose, Dr. M.V. Keldysh, Prof. Jerzy Neyman
Feb 1977	Prof. Harald Cramer
Feb 1978	Shri Morarji Desai, Prof. L.V. Kantorovich
Dec 1989	Prof. C.R. Rao
Jan 2001	Prof. Gopinath Kallianpur
Feb 2004	Prof. S.R. Srinivasa Varadhan
Mar 2006	Prof. L.A. Zadeh
Dec 2006	Dr. Manmohan Singh
Feb 2011	Dr. Subhas Mukherjee (Posthumously)
Jan 2013	Prof. K.R. Parthasarathy, Prof. Jayanta Kr. Ghosh, Prof. Pranab Bardhan

1.7 The Council & Key Committees

Council	
President	
Prof. Sankar Kumar Pal National Science Chair, SERB-DST Govt. of India	
Chairman	
From 1st April 2024 to 17th September 2024	From 28th October 2024 to 31st March 2025
Dr. Pronab Sen	Dr. Koppillil Radhakrishnan
Director	
Prof. Sanghamitra Bandyopadhyay	
Representatives of the Government of India	
From 1st April 2024 to 17th September 2024	From 18th September 2024 to 31st March 2025
Shri Alok Shekhar Additional Secretary Government of India Ministry of Statistics and Programme Implementation New Delhi Shri Jayant Sinha Additional Secretary & Financial Advisor Government of India Ministry of Statistics and Programme Implementation New Delhi	Smt. Puja Singh Mandol Additional Secretary Government of India Ministry of Statistics and Programme Implementation New Delhi Shri Deepak Narain Additional Secretary & Financial Advisor Government of India, Ministry of Statistics and Programme Implementation, New Delhi
Ms. Hema Jaiswal Dy. Director General Government of India, Ministry of Finance	
Dr. Manoranjan Mohanty Scientist – F and Head Autonomous Institute Division Ministry of Science and Technology, New Delhi	
Dr. O.P. Mall Executive Director Reserve Bank of India, Mumbai	Dr. Ajit Ratnakar Joshi Principal Adviser Department of Statistics and Information Management Reserve Bank of India, Mumbai
Shri R. Rajesh Ministry of Education New Delhi	Shri P.K. Banerjee Joint Secretary Ministry of Education New Delhi
Representative of the ICSSR	
From 1st April 2024 to 17th September 2024	From 18th September 2024 to 31st March 2025
Prof. Satish Jain 8 Jaipur House Colony Behind ADA Office Agra	Prof. Dhananjay Singh Member Secretary Indian Council of Social Science Research JNU Institutional Area Aruna Asaf Ali Marg, New Delhi

Representatives of the INSA	
From 1 st April 2024 to 17 th September 2024	From 18 th September 2024 to 31 st March 2025
Prof. Kapil H. Paranjape Department of Mathematical Sciences Indian Institute of Science Education and Research (IISER) Mohali	
Prof. Rahul Mukerjee National Science Chair Indian Institute of Management Calcutta Dr. Anurag Agarwal Former Director, CSIR –Institute of Genomics and Integrative Biology (IGIB) Dean Biosciences and Health Research Ashoka University, Haryana Prof. Rohini M. Godbole Centre for High Energy Physics Indian Institute of Science, Bengaluru	Prof. BLS Prakasa Rao INSA Honorary Scientist CR Rao Advanced Institute of Mathematics, Statistics & Computer Science University of Hyderabad Campus Prof. C.R. Rao Road, Gachibowli, Hyderabad Prof. Uday B. Desai Former Director Indian Institute of Technology Hyderabad, Kandi, Sangareddy, Telengana Prof. Chandrima Shaha Distinguished Professor National Academy of Sciences Indian Institute of Chemical Biology, Kolkata
Representative of the NITI Aayog / Planning Commission	
From 18 th September 2024 to 31 st March 2025	
Dr. Radha R Ashrit DDG, NITI Aayog	
Representative of the University Grants Commission	
From 1 st April 2024 to 17 th September 2024	From 18 th September 2024 to 31 st March 2025
Prof. Kolin Paul Microsoft Chair Professor Department of Computer Science and Engineering Indian Institute of Technology Delhi, New Delhi	Prof. Pallab Banerji Materials Science Centre Indian Institute of Technology Kharagpur
Scientists co-opted by the Council	
From 1 st April 2024 to 17 th September 2024	From 18 th September 2024 to 31 st March 2025
Prof. Asis Kumar Chattopadhyay Pro-Vice-Chancellor for Academic Affairs Calcutta University Prof. Saibal Chattopadhyay Operations Management Indian Institute of Management, Calcutta	Prof. Yadati Narahari Department of Computer Science and Automation Indian Institute of Science, Bangalore Prof. Debasis Kundu Department of Mathematics Indian Institute of Technology, Kanpur
Elected representatives of the Institute members not employed in the Institute	
From 1 st April 2024 to 17 th September 2024	From 18 th September 2024 to 31 st March 2025
Shri Rabindra Narayan Das Kolkata	
Dr. Aniruddha Chakraborty Kolkata Prof. B. Mohan Reddy Hyderabad	Dr. Shashi Mohan Srivastava Kolkata Shri K. K. Chowdhury Bangalore

Elected representatives of the employees of the Institute	
From 1st April 2024 to 17th September 2024	From 18th September 2024 to 31st March 2025
	Dr. Jiban Krishna Pal Representative of the Scientific Workers
Shri Swarup Ghara Representative of the Non-Scientific Workers	Shri Tarak Nath Pandit Representative of the Non-Scientific Workers
Officers of the Institute	
From 1st April 2024 to 17th September 2024	From 18th September 2024 to 31st March 2025
Prof. Pradipta Bandyopadhyay Prof.-in-Charge Theoretical Statistics and Mathematics Division	Prof. Jaydeb Sarkar Professor-in-Charge, Theoretical Statistics and Mathematics Division
Prof. Smarajit Bose Prof.-in-Charge Applied Statistics Division	Prof. Debasis Sengupta Professor-in-Charge, Statistical Sciences Division
Dr. Abhishek Mukherjee Prof.-in-Charge Biological Sciences Division	Dr. Pradip Bhattacharyya Professor-in-Charge, Biological Sciences Division
Prof. Niladri Sekhar Dash Prof.-in-Charge Social Sciences Division	Prof. Tridip Ray Professor-in-Charge, Social Sciences Division
Prof. Rajat Kumar De Prof.-in-Charge Computer and Communication Sciences Division	Prof. Swagatam Das Professor-in-Charge, Computer and Communication Sciences Division
Prof. Parthasarathi Ghosh Officiating Prof.-in-Charge Physics & Earth Sciences Division	Prof. Supratik Pal Professor-in-Charge Physics and Earth Sciences Division
Prof. Biswabrata Pradhan Head, SQC & OR Division	Dr. Prasun Das Head, SQC & OR Division
Prof. Antar Bandyopadhyay Head, Delhi Centre	
Prof. B.S. Daya Sagar Head, Bangalore Centre	
Prof. G. Ravindran Acting Head, Chennai Centre	
Prof. Gopal Krishna Basak Dean of Studies	Prof. Biswabrata Pradhan Dean of Studies
Non-Member Secretary	
Shri Ravinder Kumar Chief Executive (Administration & Finance)	

◆ Academic Council

Sanghamitra Bandyopadhyay

Director (Chairperson)

Prof. Biswabrata Pradhan

Dean of Studies (Convener)

Biological Sciences Division

- Arunava Goswami
- Joydev Chattopadhyay
- Pabitra Banik
- Rabi Ranjan Chattopadhyay
- Raghunath Chatterjee
- Sabyasachi Bhattacharya
- Abhishek Mukherjee (Elected representative)
- Suparna Mandal Biswas (Elected representative)

Computer and Communication Sciences Division

- Ansuman Banerjee
- Arijit Bishnu
- Ashish Ghosh
- B.S. Daya Sagar
- B. Uma Shankar
- Devika P. Madalli
- Dipti Prasad Mukherjee
- Kausik Kumar Majumdar
- Krishnendu Mukhopadhyaya
- Mandar Mitra, Pradipta Maji
- Rajat Kumar De
- Saroj Kumar Meher
- Sandip Das
- Sanghamitra Bandyopadhyay
- Sarbani Palit
- Sasanka Roy
- Sasthi Charan Ghosh
- Sourav Chakraborty
- Srimanta Pal
- Subhas Chandra Nandy
- Shubhra Sankar Ray
- Sushmita Mitra
- Susmita Sur-Kolay
- Swagatam Das
- Umapada Pal
- Utpal Garain

- Malay Bhattacharyya (Elected representative)
- Sumana Ghosh (Elected representative)

Physics and Earth Sciences Division

- B. Ramakrishnan
- Dhurjati Prasad Sengupta
- Dibakar Ghosh
- Guruprasad Kar
- Parthasarathi Ghosh
- Preeti Parashar
- Santanu Kumar Maiti
- Subir Ghosh, Supratik Pal
- Tridib Kumar Mondal (Elected representative)
- Swapan Rana (Elected representative)

Social Sciences Division

- Abhiroop Mukhopadhyay
- Chetan Ghate
- Debasis Mishra
- E. Somanathan
- Farzana Afridi
- Indraneel Dasgupta
- Madhura Swaminathan
- Manipushpak Mitra
- M. Krishnamurthy
- Monisankar Bishnu
- Niladri Sekhar Dash
- Prabal Roy Chowdhury
- Samarjit Das
- Tridip Ray
- Kajori Banerjee (Elected representative)
- Mridu Prabal Goswami (Elected representative)

Statistical Quality Control and Operations Research Division

- A.L.N. Murthy
- Abhijit Gupta
- Arup Kumar Das
- Arup Ranjan Mukhopadhyay
- Ashok Sarkar
- Biswabrata Pradhan
- Bobby John

- Dipak Kr. Manna
- E.V. Gijo
- G. Murali Rao
- G. Ravindran
- G.S.R. Murthy
- Md. Zafar Anis
- Nandini Das
- Prasun Das
- Ranjan Sett
- Sanjit Ray
- Surajit Pal
- Susanta Kr. Gauri
- S. M. Subhani Jagadish (Elected representative)
- Sujeet Kumar Singh (Elected representative)

Statistical Sciences Division

- Amita Pal
- Anup Dewanji
- Atanu Biswas
- Ayanendranath Basu
- Debapriya Sengupta
- Debasis Sengupta
- Debashis Paul
- Diganta Mukherjee
- Kishan Chand Gupta
- Mridul Nandi
- Palash Sarkar
- Sandip Mitra
- Smarajit Bose
- Sourabh Bhattacharya
- Subhamoy Maitra
- Souvik Ray
- Subir Kumar Bhandari
- Sumitra Purkayastha
- Tapas Samanta
- Shyamal Krishna De (Elected representative)
- Minerva Mukhopadhyay (Elected representative)

Theoretical Statistics and Mathematics Division

- Abhay Gopal Bhatt
- Amartya Kumar Dutta

- Anil Kumar Ghosh
- Anish Sarkar
- Antar Bandyopadhyay
- Arup Kumar Pal
- Arijit Chakrabarty
- B. Sury
- B.V. Rajarama Bhat
- Biswaranjan Behera
- Debashish Goswami
- Gopal Krishna Basak
- Isha (Bagai) Dewan
- Jaydeb Sarkar
- Mahuya Datta
- Manish Kumar
- Mohana Delampady
- Mrinal Kanti Das
- Neena Gupta
- Partha Sarathi Chakraborty
- Parthanil Roy
- Pradipta Bandyopadhyay
- Probal Chaudhuri
- Rahul Roy
- Raja C. Edward Robinson
- Ritabrata Munshi
- Rudra Pada Sarkar
- Shanta Laishram
- Sujata Ghosh
- Swagata Nandi
- Swagato Kumar Ray
- Yogeshwaran D.
- Tanvi Jain
- Paramita Das (Elected representative)
- Soumyashant Nayak (Elected representative)

Computer and Statistical Service Centre

- Ujjwal Bhattacharya

Library, Documentation and Information Sciences Division

- Kishor Chandra Satpathy

Member-Secretary, International Statistical Education Center

- Md. Zafar Anis

◆ Finance Committee

- Director (Chairperson);
- Government Representative (MoS&PI);
- Government Representative (Ministry of Finance);
- Deputy Director, ISI;
- Professor Raghunath Chatterjee, ISI, Kolkata;
- Professor Sarbani Palit, ISI, Kolkata;
- Dr. Bobby John, ISI, Bangalore;
- Dr. Amlan Banerjee, ISI, Kolkata;
- Dr. Kuntal Ghosh, ISI, Kolkata;
- Dr. Partha Pratim Mohanta, ISI Kolkata;
- Dr. Jiban Krishna Pal, ISI Kolkata;
- Shri Tarak Nath Pandit, ISI Kolkata;
- Shri Rabindra Narayan Das;
- Head, Delhi Centre;
- Head, Bangalore Centre;
- Head, Chennai Centre;
- Chief Executive (A&F);
- Shri Amitava Mukherjee, DCE(F) (Convener)

◆ Works Advisory Committee

Bangalore

- Professor S.V. Venkatesh (Chairperson);
- Professor B.K. Keshavan, External Expert (Electrical Engineering);
- Dr. P. Raghuvveer Rao, External Expert (Civil Engineering);
- Head, ISI, Bangalore Centre;
- Head, TSMU, ISI, Bangalore or his/her nominee;
- Head, DRTC, ISI, Bangalore or his/her nominee;
- Head, SQC & OR Unit, ISI, Bangalore or his/her nominee;
- Head, SSIU, ISI, Bangalore or his/her nominee;
- Sr. Accounts Officer, ISI, Bangalore; Deputy Chief Executive (A), ISI, Bangalore;
- Sr. Anoop Ranjan, ISI, Bangalore (Convener)

Delhi

- Shri Anil Kumar Jain, Ex. Special DG, CPWD – Chairperson;
- Professor P.S.N. Rao, Dean, School of Planning & Architecture, New Delhi – External Expert (Architect);
- Shri G.K. Taneja, Executive Engineer, IIT Delhi – External Expert (Electrical);
- Shri Ramakant Upadhyay, Executive Engineer, Shri Lal Bahadur Shastri National Sanskrit Univ. – External Expert (Civil); Head, ISI, Delhi Centre;
- Professor Monisahkar Bishnu, EPU, ISI, Delhi;
- Dr. Deepayan Sarkar, StatSU, ISI, Delhi;
- Sr. Accounts Officer, ISI, Delhi;
- Dy. Chief Executive (Admin), ISI, Delhi – Member-Convener

Kolkata

- Shri Ramesh Chandra Mishra, Retd. Chief Engineer, CPWD (Chairperson);
- Professor Niladri Sekhar Dash, ISI Kolkata (Vice-Chairperson);
- Dr. Hari Charan Behera, ISI Giridih;
- Shri Srikumar Bhattacharya (External Expert) (Retd. Chief Engineer & Ex. Officio Secy., PWD, GoWB);
- Dr. Bhaskar Sengupta [Expert (Civil)];
- Professor Siddhartha Datta [Expert (Architecture)];
- Shri Asim Sinha [Expert (Electrical)];
- Chief Executive (A&F), ISI;
- Shri Amitava Mukherjee, DCE (F) 'B', ISI Kolkata;
- In-Charge, EMU, ISI Kolkata;
- In-Charge, Engg. Unit, ISI Kolkata (Convener)

Infrastructure Development Committee, North-East Centre

- Professor Nityananda Sarkar (Chairperson);
- Shri Ratul Ranjan Hazarika, External Expert (Civil Engineering);
- Shri Amarjit Sarma, External Expert (Electrical);
- Professor Isha Dewan, ISI Delhi;
- Professor Smarajit Bose, ISI Kolkata;
- Head, North-East Centre;
- Dr. Darpa Saurav Jyethi, ISI NE Centre;

- Shri Avijit Ganguly, Sr. Engineer, ISI Kolkata;
- Shri Amitava Mukherjee, DCE (F), ISI, Kolkata;
- Smt. Rimlee Bardhan, Engineer (Civil), ISI, NE Centre (Convener)

Infrastructure Development Committee, Chennai

- Professor R.L. Karandikar (Chairperson);
- Shri T.V. Prabhakaran, Retired Architect, Chennai (External Expert);

- Professor K. Premalatha, Head, Civil Engg. Dept., Anna Univ. (External Expert);
- Professor Dipti Prasad Mukherjee, ISI, Kolkata;
- Dr. Abhay G. Bhatt, ISI, Delhi;
- Shri Avijit Ganguly, Sr. Engineer, ISI Kolkata;
- Shri Amitava Mukherjee, DCE(F);
- Shri Biju Mathew, Sr. Admn. Officer, ISI, Chennai;
- Head, Chennai Centre (Convener)

◆ Ph.D. / D.Sc. Committees

Computer Science

- Director or his/her nominee (Chairperson)
- Dean of Studies or his/her nominee
- Sourav Chakraborty
- B.S. Daya Sagar
- Krishnandu Mukhopadhyaya
- Uptal Garain
- Swagatam Das
- Pradipta Maji
- Subhamoy Maitra
- Sujata Ghosh
- Debrup Chakraborty
- Sasthi C. Ghosh (Convener)

- Jyotishman Bhowmick
- Arijit Chakraborty
- Utsav Choudhury
- Tanvi Jain
- Mathew Joseph
- Ramesh Sreekantan
- Shanta Laishram
- Maneesh Thakur (Convener)

Quantitative Economics

- Director or his/her nominee (Chairperson)
- Dean of Studies or his/her nominee
- Madhura Swaminathan
- Smarajit Das
- Brati Sankar Chakraborty
- E. Somanathan
- Debasis Mishra
- Abhiroop Mukhopadhyay
- Indraneel Dasgupta (Convener)

Quality, Reliability & Operations Research

- Director or his/her nominee (Chairperson)
- Dean of Studies or his/her nominee
- Arup Kumar Das
- Susanta Kumar Gauri
- Md. Zafar Anis
- Kiranmoy Das
- Prasun Das (Convener)

Statistics

- Director or his/her nominee (Chairperson)
- Dean of Studies or his/her nominee
- Rituparna Sen
- Arijit Chakraborty (TSMU-K)
- Deepayan Sarkar
- Anish Sarkar
- Atanu Biswas
- Debashis Paul
- Arijit Chakraborty, ASU-K (Convener)

Mathematics

- Director or his/her nominee (Chairperson)
- Dean of Studies or his/her nominee
- Biswaranjan Behera
- Kingshook Biswas

◆ Policy Planning and Evaluation Committee (PPEC)

- Chairman of ISI Council (Chairperson)
- Director, ISI (Vice-Chairperson)
- Director General (Statistics), CSO
- Financial Advisor, MoS&PI
- Additional Secretary, MoS&PI
- Dr. O.P. Mall, Executive Director, RBI

- Professor Partha P. Majumder, National Science Chair, NIBMG
- Professor Subhasis Chaudhuri, IIT Bombay
- Professor Chandrima Shaha, IICB, Kolkata

- Professor Suman Chakraborty, IIT Kharagpur
- Head, Delhi Centre
- Head, Bangalore Centre
- Professor Ritabrata Munshi, ISI (Convener)

◆ Technical Advisory Committees (TAC)

Biological Sciences Division

- Director (Chairperson)
- Professor Somnath Bhattacharya, Dept. of Genetics and Plant Biology, BCKV, Mohanpur, Nadia
- Dr. Sanjay K. Ray, Principal Scientist, National Bureau of Social Survey & Land Use Planning, ICAR, Kolkata
- Professor Gaurangadeb Chattopadhyay, Dept. of Statistics, University of Calcutta
- Professor Annapoorni Rangarajan, Dept. of Molecular Reproduction, Development and Genetics, IISc, Bangalore
- Professor-in-Charge, Biological Sciences Division (Convener)

Computer and Communication Sciences Division

- Director, ISI (Chairperson);
- Professor Venkatesh Raman, The Institute of Mathematical Sciences, Chennai
- Professor Arobinda Gupta, Indian Institute of Technology Kharagpur
- Professor Subhasis Chaudhuri, Indian Institute of Technology Bombay
- Professor Sandeep K Shukla, Indian Institute of Technology Kanpur
- Professor Jayanta Mukherjee, Indian Institute of Technology Kharagpur
- Professor Chiranjib Bhattacharyya, Indian Institute of Sciences, Bangalore
- Professor C. V. Jawahar, Indian Institute of Information Technology, Allahabad
- Professor Pabitra Mitra, Indian Institute of Technology Kharagpur
- Professor-in-Charge, Computer & Communication Sciences Division (Convener)

Library, Documentation and Information Sciences Division

- Director, ISI (Chairperson)
- Professor Arun Kumar Chakraborty, HOD, DLIS, Netaji Subhas Open University (NSOU), Former Director General (DG), RRRLF, & National Library, India
- Dr. Nabi Hasan, Librarian & Head, Central Library, Indian Institute of Technology, Delhi
- Dr. N. K. Bar, Former Director, Central Secretariat Library & ASI Libraries, Ministry of Culture (MOC), Govt. of India, New Delhi & Former Sr. Consultant, Prasar Bharti Archives & Libraries, New Delhi
- Dr. T. S. Kumbar, Advisor (Library & Institute Archives), IIT Gandhinagar
- Professor (Dr.) Ramesh C. Gaur, Dean (Administration) / Director & Head Kalanidhi Division / In-charge -Aatmanirbhar Bharat Centre for Design (ABCD), National Mission on Cultural Mapping (NMCM) -MGMD, Former Director- National School of Drama (NSD) and Ex-OSD, Indian Institute of Heritage (IIH), Indira Gandhi National Centre for The Arts (An Autonomous Body, Ministry of Culture, Govt. of India), Janpath, New Delhi
- Dr Sayan Bhattacharya, Deputy Director, Indian Museum, Ministry of Culture, Government of India
- Chief Librarian (Convener)

Physics and Earth Sciences Division

- Director, ISI (Chairperson)
- Professor Swapan K. Pati, Theoretical Sciences Unit, School of Advanced Materials, JNCASR, Bangalore

- Professor Samridhhi Sankar Ray, International Centre for Theoretical Sciences, TIFR, Bangalore
- Professor Ashok Kumar Singhvi, SERB Year of Science Chair Professor, Physical Research Laboratory, Ahmedabad
- Professor Guntupalli Veera Raghavendra Prasad, Department of Geology, Centre for Advanced Studies, University of Delhi, Delhi
- Professor Manju Mohan, Centre for Atmospheric Sciences, Indian Institute of Technology Delhi, Hauz Khas, New Delhi
- Professor-in-Charge, Physics & Earth Sciences Division (Convener)

Social Sciences Division

- Director, ISI (Chairperson)
- Professor Rohini Somanathan, Dept. of Economics, Delhi School of Economics, Delhi University
- Professor Ayesha Kidwai, Centre for Linguistics, School of Language Literature and Culture Studies Jawaharlal Nehru University, New Delhi
- Professor Yasmeen Arif, School of Humanities and Social Sciences, Shiv Nadar University, Noida, UP
- Professor Udaya Shankar Mishra, International Institute for Population Sciences (IIPS), Mumbai
- Professor Manas Kumar Mandal, Distinguished Visiting Professor, Rekhi Center for Excellence, IIT Kharagpur
- Professor Pijushkanti Panigrahi, Dept. of Library and Information Science, University of Calcutta, Kolkata
- Professor-in-Charge Social Sciences Division (Convener)

Statistical Quality Control and Operations Research Division

- Director, ISI (Chairperson)
- Professor Shubhabrata Das, Indian Institute of Management, Bangalore
- Professor Jhareswar Maity, Dept. of Industrial & Systems Engineering, IIT Kharagpur
- Professor Manoj Kumar Srivastava, Management Development Institute, Gurugarm
- Dr. Saurabh Kundu, Chief Corporate Sustainability, Tata Steel, Jamshedpur
- Mr. Pravin Patel, General Manager, Business Excellence, Banas Dary-AMUL, Gujral
- Dr. Mou Sen, Joint Director,

MSME HQ, Dept. of MSME, Govt. of WB

- Head, SQC & OR Division (Convener)

Statistical Sciences Division

- Director, ISI (Chairperson);
- Professor Rahul Mukerjee, Indian Institute of Management Calcutta
- Professor Gaurangadeb Chattopadhyay, Dept. of Statistics, Calcutta University
- Professor Tathagata Bandyopadhyay, Director, Dhirubhai Ambani Inst. for Inf. and Comm. Tech.
- Professor Sourabh Mukhopadhyay, Dept. of Mathematics, IIT Kharagpur

- Professor-in-Charge, Statistical Sciences Division (Convener)

Theoretical Statistics and Mathematics Division

- Director, ISI (Chairperson);
- Professor Sanoli Gun, IMSc., Chennai
- Professor A.J. Parameswaran, KSoM, Kerala
- Professor Dipendra Prasad, IIT Bombay
- Professor Jaikumar Radhakrishnan, ICTS-TIFR, Bangalore
- Professor Kaushal Verma, IISc., Bangalore
- Professor R.L. Karandikar, CMI
- Professor-in-Charge, Theoretical Statistics & Mathematics Division (Convener)



1.8 Funding

The Ministry of Statistics & Programme Implementation, Government of India provides full funding to the Institute. Their support and constant encouragement are among the major factors that help the Institute to sustain its academic growth and excellence.

Chapter

2

Teaching and Training



Dean of Studies: Prof. Gopal Krishna Basak (From 1st April 2024 to 17th September 2024)
Prof. Biswabrata Pradhan (From 18th September 2024 to 31st March 2025)

Office: 5th floor, S.N. Bose Bhavan, ISI, Kolkata-700 108

No of Scientific Staff: 03 (Male:03)

No of non-scientific Staff: 11 (Male: 09, Female: 02)

Admission Across Programmes			
	Total	Male	Female
UG (4 year)	71	67	04
UG (3 year)	93	85	08
PG (2 year)	241	199	42
Ph. D.	71	49	22
PG (Diploma)	54	36	18
PG (Diploma, Online Programme)	166	130	36
PGDBA	61	55	06

Human Resources Generated			
	Total	Male	Female
UG (3 year)	55	53	02
PG (2 year)	231	196	35
PG (Diploma)	143	117	26
Ph. D.	60	41	19



2.1 Programmes Offered

ISI, a premier institute in India, is renowned for its first internationally acclaimed undergraduate and postgraduate degree programmes in Statistics introduced by its founder, Prof. P.C. Mahalanobis in 1961. Over the years, more academic programmes have been added.

The following academic programmes were offered during the academic session 2024-25:

Name of Programme	Centre(s) at which offered
Undergraduate Programmes (four-year)	
Bachelor of Statistical Data Science (Honours) - BSDS	Kolkata, Delhi, Bengaluru
Undergraduate Programmes (three-year)	
Bachelor of Statistics - B. Stat. (Hons.)	Kolkata
Bachelor of Mathematics - B. Math. (Hons.)	Bengaluru
Postgraduate Programmes (two-year)	
Master of Statistics - M. Stat.	Delhi & Kolkata
Master of Mathematics - M. Math.	Kolkata
Master of Science in Quantitative Economics - MSQE	Delhi & Kolkata
Master of Science in Quality Management Science - MSQMS	Bengaluru
Master of Science in Library and Information Science – MSLIS	Bengaluru
M. Tech. in Computer Science (CS)	Kolkata
M. Tech. in Cryptology and Security (CrS)	Kolkata
M. Tech. in Quality, Reliability and Operations Research (QROR)	Kolkata
Postgraduate Diploma Programmes (two-year)	
Post Graduate Diploma in Business Analytics (PGDBA) Jointly conducted by IIM Kolkata, IIT Kharagpur and ISI Kolkata	Kolkata
Postgraduate Diploma Programmes (one-year)	
Post Graduate Diploma in Statistical Methods and Analytics (PGDSMA)	Chennai and North-East Centre, Tezpur
Postgraduate Diploma in Agricultural and Rural Management with Statistical Methods and Analytics (PGDARSMA)	Giridih
Post Graduate Diploma in Applied Statistics (PGDAS)	Online Programme through Coursera
Doctoral Programmes	
Research Fellowships and degrees awarded by ISI in Statistics; Mathematics; Quantitative Economics; Computer Science; Quality, Reliability and Operations Research	Kolkata, Delhi, Bengaluru, Tezpur, Chennai, Mumbai
Research Fellowships awarded by ISI and Degrees awarded by other academic bodies in areas including Physics and Applied Mathematics, Geology, Biological Science (Human Genetics), Biological Science (Agriculture and Ecology), Linguistics	Kolkata, Bengaluru, Giridih, Tezpur
Research Fellowships awarded by government bodies (e.g. CSIR, DST, INSPIRE, NBHM, UGC) and degrees awarded by ISI/other academic bodies	Kolkata, Bengaluru, Giridih
Short-term Training Programmes (4 weeks-6 months)	
This training is provided to UG/PG students from other reputed Universities/Institutions as part of their curriculum requirements/ for enhancement of knowledge and application skills, under the guidance of faculty members of the Institute.	

2.2 Admissions

Degree, Diploma and Ph.D. programmes:

An all-India entrance examination is conducted annually by the Dean's Office for all programmes (except Post Graduate Diploma in Business Analytics).

The two-year Post Graduate Diploma in Business Analytics (PGDBA) programme, jointly offered with IIM Calcutta and IIT Kharagpur, aims to deliver a cutting-edge interdisciplinary educational experience to graduates aspiring to build a career in the rapidly expanding field of business analytics. The first semester of this programme is conducted every year in ISI. The selection and admission process for the programme is carried out by the three institutes on a rotation basis.

Date of ISI Admission test: 12 May 2024

Date of PGDBA Admission test: 17 March 2024

Programmes	Number of Applications Received	Number of Applicants Taking the Admission Test	Number of Applicants Shortlisted for Interview	Number of Applicants Offered Admission	Number of Women Applicants Offered Admission	Number of SC, ST, OBC, EWS, PwBD Applicants Offered Admission
Bachelor of Statistics - B. Stat. (Hons.)	3519	2466	0	128	13	SC-12, ST-01, OBC-30 EWS-8, PwBD-01
Bachelor of Mathematics B. Math. (Hons.)	3242	2284	0	121	14	SC-14, ST-01, OBC-32 EWS-06
Bachelor of Statistical Data Science (Hons.)	3836	2713	0	170	15	SC-27, ST-13, OBC-56 EWS-12, PwBD-03
Master of Statistics - M. Stat.	1158	675	63	32	09	SC-02, OBC-06 EWS-02
Master of Mathematics - M. Math.	754	499	68	35	04	SC-05, ST-01, OBC-06 EWS-01
Master of Science in Quantitative Economics MSQE	1847	1043	85	42	16	SC-02, ST-01, OBC-09 EWS-05
Master of Science in Quality Management Science - MSQMS	405	303	43	21	02	SC-01, OBC-06 EWS-03
Master of Science in Library and Information Science – MSLIS	85	60	34	12	05	OBC-8, EWS-01
M. Tech. in Computer Science (CS)	1282	804	110	48	03	SC-04, ST-01, OBC-16 EWS-01
M. Tech. in Cryptology and Security (CrS)	186	125	14	10	01	SC-01, OBC-01 EWS-01
M. Tech. in Quality, Reliability and Operations Research (QROR)	237	123	43	29	02	SC-02, ST-01, OBC-09 EWS-01
Post Graduate Diploma in Business Analytics - PGDBA	2973	1646	378	62	06	SC-10, ST-02, OBC-21 EWS-07, PwBD-01

Programmes	Number of Applications Received	Number of Applicants Taking the Admission Test	Number of Applicants Shortlisted for Interview	Number of Applicants Offered Admission	Number of Women Applicants Offered Admission	Number of SC, ST, OBC, EWS, PwBD Applicants Offered Admission
Post Graduate Diploma in Statistical Methods and Analytics - PGDSMA	117	83	83	59	17	SC-04, OBC-24 EWS-06
Postgraduate Diploma in Agricultural and Rural Management with Statistical Methods and Analytics - PGDARSMA	26	19	19	13	05	SC-01, OBC-04
Post Graduate Diploma in Applied Statistics - PGDAS	103	65	60	27	03	SC-05, ST-01, OBC-05 EWS-01
Junior Research Fellowship	1118	702	164	73	24	SC-14, OBC-08

Enrolment in Degree-Diploma Programmes

Programme	Number Enrolled	Number of Women Enrolled	Number of SC, ST, OBC, EWS, PwBD Enrolled
Undergraduate Programmes (four-year)			
Bachelor of Statistical Data Science- BSDS (Hons.)	71	04	SC-16, ST-06 OBC-23, EWS-08
Undergraduate Programmes (three-year)			
Bachelor of Statistics - B. Stat. (Hons.)	54	06	SC-08, ST-01 OBC-11, EWS-02
Bachelor of Mathematics - B. Math. (Hons.)	39	02	SC-04, OBC-10 EWS-02
Postgraduate Programmes (two-year)			
Master of Statistics - M. Stat.	57	11	SC-07, OBC-06 EWS-03
Master of Mathematics - M. Math.	43	04	SC-04, ST-01 OBC-05
Master of Science (M.S.) in Quantitative Economics - MSQE	41	16	SC-02, ST-01 OBC-09, EWS-05
Master of Science (M.S.) in Quality Management Science - MSQMS	15	01	OBC-04, EWS-03
Master of Science (M.S.) in Library and Information Science MSLIS	09	04	OBC-06, EWS-01
M. Tech. in Computer Science (CS)	36	02	SC-04, ST-01 OBC-13, EWS-01
M. Tech. in Cryptology and Security (CrS)	10	-	SC-01, OBC-01 EWS-01
M. Tech. in Quality, Reliability and Operations Research (QROR)	30	04	SC-02, OBC-08

Programme	Number Enrolled	Number of Women Enrolled	Number of SC, ST, OBC, EWS, PwBD Enrolled
Postgraduate Diploma Programmes (two-year)			
Post Graduate Diploma in Business Analytics (PGDBA)	61	06	SC-10, ST-01 OBC-21, EWS-07 PwBD-01
Postgraduate Diploma Programmes (one-year)			
Post Graduate Diploma in Statistical Methods and Analytics (PGDSMA)	46	14	SC-01, OBC-20 EWS-05
Postgraduate Diploma in Agricultural and Rural Management with Statistical Methods and Analytics (PGDARSMA)	08	04	SC-01, OBC-03
Post Graduate Diploma in Applied Statistics (PGDAS) (139 candidates were registered for the regular channel and 27 candidates were registered through tuition waived channel)	166	36	Since under this course there have many foreign students
ISI JRF Programmes			
Mathematics	10	-	SC-02
Statistics	08	03	
Computer Science	20	05	SC-03, OBC-04
Quantitative Economics	04	01	SC-02
Quality Reliability and Operations Research	03	01	
Physics and Applied Mathematics	07	03	SC-02, OBC-03
Geology	03	02	
Biological Science (Agricultural and Ecological Research)	03	03	SC-01
Biological Science (Human Genetics)	01	01	
Linguistics	01	01	
Externally-funded JRF Programmes			
Computer Science	03		SC-01
Physics	01	-	OBC-01
Biological Science	07	02	SC-01, OBC-01 EWS-01

Short-term Training Programmes

Division/Centre	Unit	Number of Trainees	Number of Women Trainees
Biological Sciences Division			
	AERU Kolkata	24	14
Computer & Communication Sc. Div			
	ACMU, Kolkata	01	
	CVPRU, Kolkata	08	02
	ECSU, Kolkata	02	
	MIU, Kolkata	04	03
Physical & Earth Sciences Division			
	GSU, Kolkata	12	05
	PAMU, Kolkata	06	02
Theoretical Statistics and Mathematics Division			
	SMU, Kolkata	01	01
SQC&OR Division			
	SQCORU, Kolkata	03	03
TOTAL		61	30

2.3 Graduating Students

The number of students graduating, under the different programmes

Programme	Number Graduating	Number of Women Graduating
Undergraduate Programmes (three-year)		
Bachelor of Statistics - B. Stat. (Hons.)	28	02
Bachelor of Mathematics - B. Math. (Hons.)	26	-
Bachelor of Mathematics - B. Math.	01	-
Postgraduate Programmes (two-year)		
Master of Statistics - M. Stat.	50	06
Master of Mathematics - M. Math.	26	03
Master of Science (M.S.) in Quantitative Economics - MSQE	47	12
Master of Science (M.S.) in Quality Management Science - MSQMS	20	03
Master of Science (M.S.) in Library and Information Science - MSLIS	12	04
M. Tech. in Computer Science (CS)	29	02
M. Tech. in Cryptology and Security (CrS)	23	04
M. Tech. in Quality, Reliability and Operations Research (QROR)	24	01
Postgraduate Diploma Programmes (one-year)		
Post Graduate Diploma in Statistical Methods and Analytics (PGDSMA)	41	13
Postgraduate Diploma in Agricultural and Rural Management with Statistical Methods and Analytics (PGDARSMA)	09	02
Post-Graduate Diploma in Applied Statistics (PGDAS)	93	11
Ph.D. Degrees		
Mathematics	10	04
Statistics	04	-
Computer Science	24	05
Quantitative Economics	04	02
Physics	04	02
Geology	03	01
Externally-funded Ph.D. Degrees		
Applied Mathematics	03	02
Science	01	-
Biochemistry	02	02
Biophysics, Molecular Biology & Bioinformatics	01	-
Physics	02	-
Library and Information Science	01	-
Anthropology	01	01

Recipients of Prizes

During the 59th Convocation of the Indian Statistical Institute was held on 4th February, 2025 students were felicitated with medals and prizes in recognition of their outstanding performance for the session ending 2025, under the following programmes

Undergraduate



Swapnaneel Bhattacharyya
B. Stat.
ISIAA – Mrs. M. R. Iyer Memorial Gold Medal for outstanding overall performance



Srijan Chattopadhyay
B. Stat.
Nikhilesh Bhattacharya Memorial Gold Medal for best performance in Statistics



Rupsa Ray
B. Stat.
Mukul Chaudhuri Cash Award for the best female student in the second year



Aritra Ghosh
B. Stat.
D. Basu Memorial Gold Medal for outstanding performance



Aishee Bhattacharya
B. Stat.
Mukul Chaudhuri Cash Award for the best female student in B. Stat (Hons.) first year batch



Prognadipto Majumder
B. Math.
ISIAA – Mrs. M. R. Iyer Memorial Gold Medal for outstanding overall performance

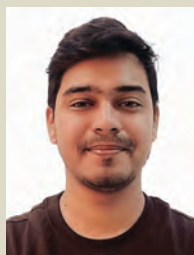
Postgraduate



Aniket Jain
M. Stat.
ISIAA - J.K. Ghosh Memorial Gold Medal for outstanding performance in M. Stat. Programme



Sampurna Mondal
M. Stat.
P. C. Mahalanobis Memorial Gold Medal for outstanding performance



Saransh Gupta
M. Stat.
Sabyasachi Roy Memorial Gold Medal for doing the best project work in second year of M. Stat. Programme



Snehin Sen
M.Math.
ISIAA – P. C. Panesar Memorial Gold Medal for outstanding overall performance



Garima Samraik
MS (QE)
Dr. N. S. Iyenger Award for best student of Econometrics



Miheer Deepak Athalye
MS (QE)
Sanghamitra Das Memorial Gold Medal for outstanding overall performance



Harsh Agarwal
M. Tech. (CS)
 ISIAA – Rashi Ray Memorial Medal
 for outstanding overall performance



Bhuvandeep
M. Tech. (CS)
 Sunity Kumar Pal Memorial Gold
 Medal for best dissertation



Vivek Kundu
M. Tech. (QROR)
 ISIAA – Mrs. M. R. Iyer Memorial
 Gold Medal for outstanding overall
 performance

PhD Degrees Awarded by ISI

The following students were conferred PhD degrees after having successfully completed their requirements for the award of PhD degree

Ph.D. degrees awarded by ISI				
Sl.	Name of the Scholar	Name(s) of the Supervisor(s)	Title of the Thesis	Subject Area
1	Anurag Dey	Prof. Probal Chaudhuri, SMU, ISI, Kolkata	Large Sample Inference in Finite Population Problems	Statistics
2	Subhankar Chattopadhyay	Prof. Atanu Biswas, ASU, ISI, Kolkata	Some selected problems in discretevalued time series analysis	Statistics
3	Anik Roy	Dr. Partha Sarathi Mukherjee, ISRU, ISI, Kolkata	Statistical Monitoring of Image Data under Jump Regression Framework	Statistics
4	Debanil Dasgupta	Dr. Samik Basu, SMU, ISI, Kolkata	Homotopical computations for projective Stiefel manifolds and related quotients	Mathematics
5	Mainak Ghosh	Dr. Shamindra Kumar Ghosh, SMU, ISI, Kolkata	Unitary connections and Q- systems	Mathematics
6	Parnashree Ghosh	Prof. Neena Gupta, SMU, ISI, Kolkata	Applications of exponential maps to epimorphisms and cancellation problems	Mathematics
7	Aritra Ghosh	Prof. Ritabrata Munshi, SMU, ISI, Kolkata	Cancellations in short sums related to Hecke-cusp forms	Mathematics
8	Poulami Mandal	Prof. Manish Kumar, SMU, ISI, Bangalore	Embedding problems for the etale fundamental group of curves	Mathematics
9	Aloke Kr Ghosh	Dr. Samik Basu, SMU, ISI, Kolkata	Sphere fibrations over highly connected manifolds	Mathematics
10	Mansi Anil Suryawanshi	Prof. Jaydeb Sarkar, SMU, ISI, Bangalore	Representations of Isometric Tuples	Mathematics
11	Sarvesh Ravichandran Iyer	Prof. Siva Athreya, SMU, ISI, Bangalore	Elliptic Harnack Inequality, Conformal Walk Dimension and Martingale Problem for Geometric Stable Processes	Mathematics

Ph.D. degrees awarded by ISI				
Sl.	Name of the Scholar	Name(s) of the Supervisor(s)	Title of the Thesis	Subject Area
12	Biman Roy	Dr. Utsav Choudhury, SMU, ISI, Kolkata	A^1 -homotopy types of A^2 and $A^2-\{(0,0)\}$	Mathematics
13	Aparajita Karmakar	Dr. Samik Basu, SMU, ISI, Kolkata	Equivariant Homology Decompositions for Projective spaces and Associated Results	Mathematics
14	Kriti Manocha	Prof. Arunava Sen, EPU, ISI, Delhi	Essays on Choice and Matching	Quantitative Economics
15	Ankit Singh	Prof. Arunava Sen, EPU, ISI, Delhi	Essays in the theory of allocation and voting	Quantitative Economics
16	Harshika Dalakoti	Prof. Debasis Mishra, EPU, ISI, Delhi	Bilateral trade and partnership with loss averse agents	Quantitative Economics
17	Bhavook Bhardwaj	Prof. Debasis Mishra, EPU, ISI, Delhi	Essays in Decision Theory	Quantitative Economics
18	Ritajit Majumdar	Dr. Susmita Sur-Kolay, ACMU, ISI, Kolkata	Efficient Reduction of Resources and Noise in Discrete Quantum Computing Circuits	Computer Science
19	Samir Kundu	Dr. Debrup Chakraborty, CSRU, ISI, Kolkata	Design and Analysis of Some Symmetric Key Schemes for Encryption and Authentication	Computer Science
20	Ajeet Kumar	Prof. Subhamoy Maitra, ASU, ISI, Kolkata	On Combinatorial Constructions of Mutually Unbiased Bases (MUBs) with Approximations	Computer Science
21	Ram Govind Singh	Dr. Sabyasachi Karati, ASU, ISI, Kolkata and Dr. Sushmita Ruj, University of New South Wales, Sydney, Australia	Enhanced Security Approaches for Data Protection: Managing Consent, Data Breach, and Asset Inheritance	Computer Science
22	Monitirtha Dey	Prof. Subir Kumar Bhandari, ISRU, ISI, Kolkata	Some Contributions to Multiple Hypotheses Testing under Dependence	Statistics
23	Arnab Char	Dr. T. Karthick, CSU, ISI, Chennai	Coloring of Graphs with no induced Six-Vertex Path	Computer Science
24	Drimit Pattanayak	Dr. Mathew C. Francis, CSU, ISI, Chennai	Variants of vertex and edge colorings of graphs	Computer Science
25	Anik Raychaudhuri	Prof. Mridul Nandi, ASU, ISI, Kolkata	Investigating Security of a Few Schemes Based on Public Primitives	Computer Science
26	Amit Jana	Dr. Goutam Kumar Paul, CSRU, ISI, Kolkata	Cryptanalysis of Selected SPN and NLFSR-Based Symmetric-Key Ciphers	Computer Science
27	Chandrima Kayal	Prof. Sourav Chakraborty, ACMU, ISI, Kolkata	Effects of symmetry in combinatorial complexity measures of Boolean functions	Computer Science

Ph.D. degrees awarded by ISI				
Sl.	Name of the Scholar	Name(s) of the Supervisor(s)	Title of the Thesis	Subject Area
28	Animesh Roy	Prof. Subhamoy Maitra, ASU, ISI, Kolkata	A Few Selected Topics on Boolean Functions	Computer Science
29	Parthasarathi Ray	Dr. Pinakpani Pal, ECSU, ISI, Kolkata	Leveraging software engineering frameworks, methods and tools to automate CRM pre-sales in real estate applications	Computer Science
30	Abishanka Saha	Prof. Mridul Nandi, ASU, ISI, Kolkata	Mirror Theory and its Applications in Cryptography	Computer Science
31	Suman Mahapatra	Prof. Pradipta Maji, MIU, ISI, Kolkata	Nuclei Segmentation and Color Normalization of Histological Images: Rough-Fuzzy Circular Clustering to Deep Generative Modeling	Computer Science
32	Debendranath Das	Prof. Subhamoy Maitra, ASU, ISI, Kolkata and Dr. Sushmita Ruj, University of New South Wales, Sydney, Australia	Design of Blockchain-Enabled Secure Real Life Applications	Computer Science
33	Sankar Mondal	Prof. Pradipta Maji, MIU, ISI, Kolkata	Multi-View Correlation and Discriminant Analysis: Structure Preservation, Sparsity to Multi-Task Learning	Computer Science
34	Anandarup Roy	Dr. Bimal Kumar Roy, ASU, ISI, Kolkata and Prof. Mridul Nandi, ASU, ISI, Kolkata	A Modern Day Approach to Combinatorial Secret Sharing	Computer Science
35	Debasmita Bhounik	Dr. Susmita Sur-Kolay, ACMU, ISI, Kolkata and Prof. Sourav Chakraborty, ACMU, ISI, Kolkata	Efficient Methods for tackling error in discrete quantum circuits Development of Some Neural	Computer Science
36	Prasun Dutta	Prof. Rajat Kumar De, MIU, ISI, Kolkata	Network Models for Non-negative Matrix Factorization: Dimensionality Reduction	Computer Science
37	Soumi Nandi	Prof. Sourav Chakraborty, ACMU, ISI, Kolkata and Dr. Arijit Ghosh, ACMU, ISI, Kolkata	Piercing and Covering Results in Combinatorial Geometry	Computer Science
38	Geetika Barman	Prof. B. S. Daya Sagar, SSIU, ISI, Bangalore	Some Studies on Mathematical Morphology in Remotely Sensed Data Analysis	Computer Science
39	Anjan Chowdhury	Dr. Kuntal Ghosh, CSCR, ISI, Kolkata and Dr. Sanjukta Bhowmick, Department of Computer Science & Engineering, University of N. Texas	Algorithms and Applications in Complex Network Representation, Classification and Manipulation	Computer Science
40	Arghya Bhattacharjee	Prof. Mridul Nandi, ASU, ISI, Kolkata	Design and Analysis of Authenticated Encryption Modes	Computer Science
41	Avishek Majumder	Dr. Debrup Chakraborty, CSRU, ISI, Kolkata	Making Cloud Storages Secure and Efficient	Computer Science
42	Sucheta Dawn	Prof. Sanghamitra Bandyopadhyay, MIU, ISI, Kolkata	Graph Neural Networks for Homogeneous and Heterogeneous Graphs: Algorithms and Applications	Computer Science

PhD Degrees Awarded by Other Academic bodies

A. Ph.D. degrees awarded to ISI Research (ISI Fellowship) Fellows by other Academic bodies.

Sl.	Name of the Scholar	Name(s) of the Supervisor(s)	Title of the Thesis	University
1	Arijit Debnath	Dr. Tapan Chakraborty, GSU, ISI, Kolkata	The Evolving Sedimentary System Of The Siwalik Foreland Basin In Arunachal Himalaya: Implication For The Sea-Level Changes And Tectonics	University of Calcutta
2	Priyanka Bachhar	Dr. Dilip Saha, GSU, ISI, Kolkata and Dr. Biswajit Ghosh, Department of Geology,	Structure, Stratigraphy And Geochemistry Of Badampahar Greenstone Belt And Adjoining Granitic Plutons, Singhbhum-Odisha Craton-	University of Calcutta
3	Abhijit Patra	Dr. Dilip Saha, GSU, ISI, Kolkata and Dr. Amlan Banerjee, GSU, ISI, Kolkata	Fault rocks, Low grade metamorphism and fluid mediated changes along the Main Boundary Thrust, Darjeeling Himalaya, North Bengal, India	University of Calcutta
4	Debjani Das Gupta	Prof. Santanu K. Maity, PAMU, ISI, Kolkata	Future Prospects And Possibilities In Multiple Directions Of Anti-Ferromagnetic Spintronics: A Theoretical Study	University of Calcutta
5	Anandamay Das Bhowmik	Prof. Preeti Parashar, PAMU, ISI, Kolkata	Study Of Informational And Foundational Aspects Of Quantum Correlations	University of Calcutta
6	Suwendu Chakraborty	Prof. Santanu K. Maity, PAMU, ISI, Kolkata	Theoretical Study Of Thermoelectric Phenomena At Nanoscale: New Directions For Energy Conversion	University of Calcutta
7	Ranjini Bhattacharya	Prof. Santanu K. Maity, PAMU, ISI, Kolkata	Theoretical Study Of Electron And Phonon Transport In Low-Dimensional Structures: Application To Quantum Electronics And Thermoelectricity	University of Calcutta

B. Ph.D. degrees awarded to ISI Research Fellows (Non-ISI Fellowship) by other Academic bodies - Work Done at ISI

Sl.	Name of the Scholar	Source of funding	Name(s) of the Supervisor(s)	Title of the Thesis	University
1	Ayan Paul	INSPIRE	Prof. Sabyasachi Bhattacharya, AERU, ISI, Kolkata	Incorporating Stochasticity In The Extended Logistic And (or) Associated Growth Curve families Through Various Model Set Up For Comparing Species Sustainability And Extinction	University of Calcutta
2	Panchanan Sahoo	INSPIRE	Dr. Abhishek Mukherjee, AERU, ISI, Giridih	Development and Mechanistic Modelling of Prussian Blue-based Multimodal Targeted Theranostic Nanocomposit for Cancer Treatment	Jadavpur University
3	Trina Roy	CSIR	Prof. Sabyasachi Bhattacharya, AERU, ISI, Kolkata	Determination of the growth curve model(s) for cell pro-liferation and other close resemblancesystem in population ecology with density and time dependent	University of Calcutta
4	Sayani Mazumder	CSIR	Prof. Raghunath Chatterjee, HGU, ISI, Kolkata	MicroRNAs in Oral Cancer: Potential Biomarkers and Functional Mediators	University of Calcutta
5	Torsa Ganguly	UGC	Prof. Raghunath Chatterjee, HGU, ISI, Kolkata	Identifying the Role of MicroRNAs as Potential Regulators of Psoriasis	University of Calcutta

SI	Name of the Scholar	Source of funding	Name(s) of the Supervisor(s)	Title of the Thesis	University
6	Sayantana Laha	CSIR	Prof. Raghunath Chatterjee, HGU, ISI, Kolkata	To Decode The Transcriptional Landscape of Psoriasis	University of Calcutta
7	Suchismita Banerjee	INSPIRE	Prof. Maipushpak Mitra, ERU, ISI, Kolkata and Emeritus Prof. Bikas K. Chakrabarti, Saha Institute of Nuclear Physics, Kolkata	Econophysics Of Self Organization In Market And Other Social Systems	University of Calcutta
8	Samarpita Debnath	UGC	Dr. Susmita Mukhopadhyay, BAU, ISI, Kolkata	Health Status And Health-Related Quality Of Life Among Rural Elderly In Relation To Socio-Cultural Factors: A Study In West Bengal	University of Calcutta
9	Joydeep Majhi	CSIR	Prof. Santanu K. Maity, PAMU, ISI, Kolkata	Spectacular Phenomena In Low-Dimensional Quantum Systems: A Theoretical Study	University of Calcutta
10	Souvik Roy	CSIR	Prof. Santanu K. Maity, PAMU, ISI, Kolkata	Properties Of Non-Interacting And Interacting Electrons In Quantum Systems: A Theoretical Study	University of Calcutta
11	Amit Tiwari	UGC	Prof. Devika P Madalli, DRTC, ISI, Bangalore	Developing A Semi-Automatic Maturity Model For Research Data Curation	University of Calcutta



2.4 Placement

During 2024-25 Indian Statistical Institute had offered the following degree and diploma courses B. Stat, B. Math, BSDS, M. Stat, M. Math, MSQE, MSQMS, MSLIS, M. Tech (CS), M. Tech (CrS), M. Tech (QROR), PGDBA, PGDSMA, PGDARSMA and PGDAS. ISI also offers PhD programs in various disciplines. All the PhD scholars are fully absorbed in various institutes, universities and other sectors. Generally, students of B. Stat and B. Math programs do not opt for jobs but enrol into M. Stat and M. Math programs respectively. Some students after completion of their programs, opt for higher education and enrol at the PhD programs in the country or foreign universities or institutes. All the other remaining students go for jobs through the ISI placement cell (or otherwise). Some students during master and diploma programs work as interns in various companies for a short- or medium-term period. Tables with course-wise information about placements and corresponding salary offered are given subsequently.

Higher Education

Given the excellent education that students receive under the well-designed, modern curriculum at ISI, a majority of them opt for higher education by joining PhD programmes in world-renowned universities and institutions (national and international), after completing their post-graduate education in ISI.

At the conclusion of the academic year 2023-24, a large number of students completing various Master's degree programmes at ISI, secured admission to PhD programmes conducted by prestigious national and international universities, very often after a highly competitive selection process.

The Universities/ Institutions in which these students joined PhD programmes in 2024-25 are listed below:

National Institutes/Universities: University of Delhi; Panjab University; Mizoram University; Babasaheb Bhimrao Ambedkar University, Lucknow; ABP E-Venture; National Informatics Centre; Centre for Sustainable Agriculture. **Total (14)**



Placement In Industry**Course-wise Recruitments and Salary**

Name of Program	No. of Job Market Candidates	No. of Candidates offered Jobs	Highest Salary Offered (in LPA)	Median salary Offered (In LPA)
M Tech (CS) Kolkata	31 (Male 28, Female 3)	31	37	16
M Stat (Kolkata)	38 (Male 36, Female 2)	38	50	20
MS(QE) Kolkata	10 (Male 7, Female 3)	10	37	15.5
M Tech (CrS) Kolkata	4 (Male 1, Female 3)	4	27	17
M Tech QROR Kolkata	9 (Male 9)	9	66	18
MSQMS (Bangalore /Hyderabad)	10 (Male)	10	20	18

Name of Some Companies Who Recruited**Diploma Course-wise Recruitments and Salary**

Name of Program	No. of Job Market Candidates	No. of Candidates offered Jobs	Highest Salary Offered (in LPA)	Median salary Offered (In LPA)
PGDSMA (Chennai)	7 (male-4, Female-3)	7	7	6
PGDARMSMA (Giridih)	4 (Male-2, Female-2)	4	--	--

Name of Some Companies Who Recruited

2.5 International Training Programme

International Statistical Education Centre (ISEC)

Member Secretary: Dr. Md. Zafar Anis

Office: C.D. Deshmukh Bhavan, 202, B.T. Road, ISI, Kolkata

No of Scientific Staff: One (1)

No of non-scientific staff: Four (4)

The International Statistical Education Centre (ISEC) was founded in 1950 at Kolkata through the initiative of Professor P.C. Mahalanobis, based on an agreement between the International Statistical Institute and the Indian Statistical Institute (ISI). It is an Associate Institution of ISI as per Regulation no. 14 of the Institute. It functions under a Board of Directors, which has members from ISI, MoSPI and Ministry of External Affairs (MEA). The current Chairman of ISEC is Professor S. P. Mukherjee. The centre aims to provide training in theoretical and applied statistics at various levels to selected participants from countries of the Middle East, the Far East, South and South-East Asia as well as the Commonwealth countries of Africa. The primary training programme is a 10-month regular course in Statistics (titled **Statistical Theory and Applications**) leading to a Diploma. In addition, special courses on different topics of varying duration are also organized for international participants. In the current financial year (2024-25), four such short-duration courses were organized.

Regular Course

The 76th term of the Regular Course entitled “**Statistical Theory and Applications**” commenced on 1st August, 2024 with 18 trainees. The trainees are from twelve different countries, namely Burundi, Fiji, Mauritius, Mongolia, Myanmar, Niger, Sierra Leone, South Sudan, Tanzania, Uganda, Venezuela, and Zimbabwe.

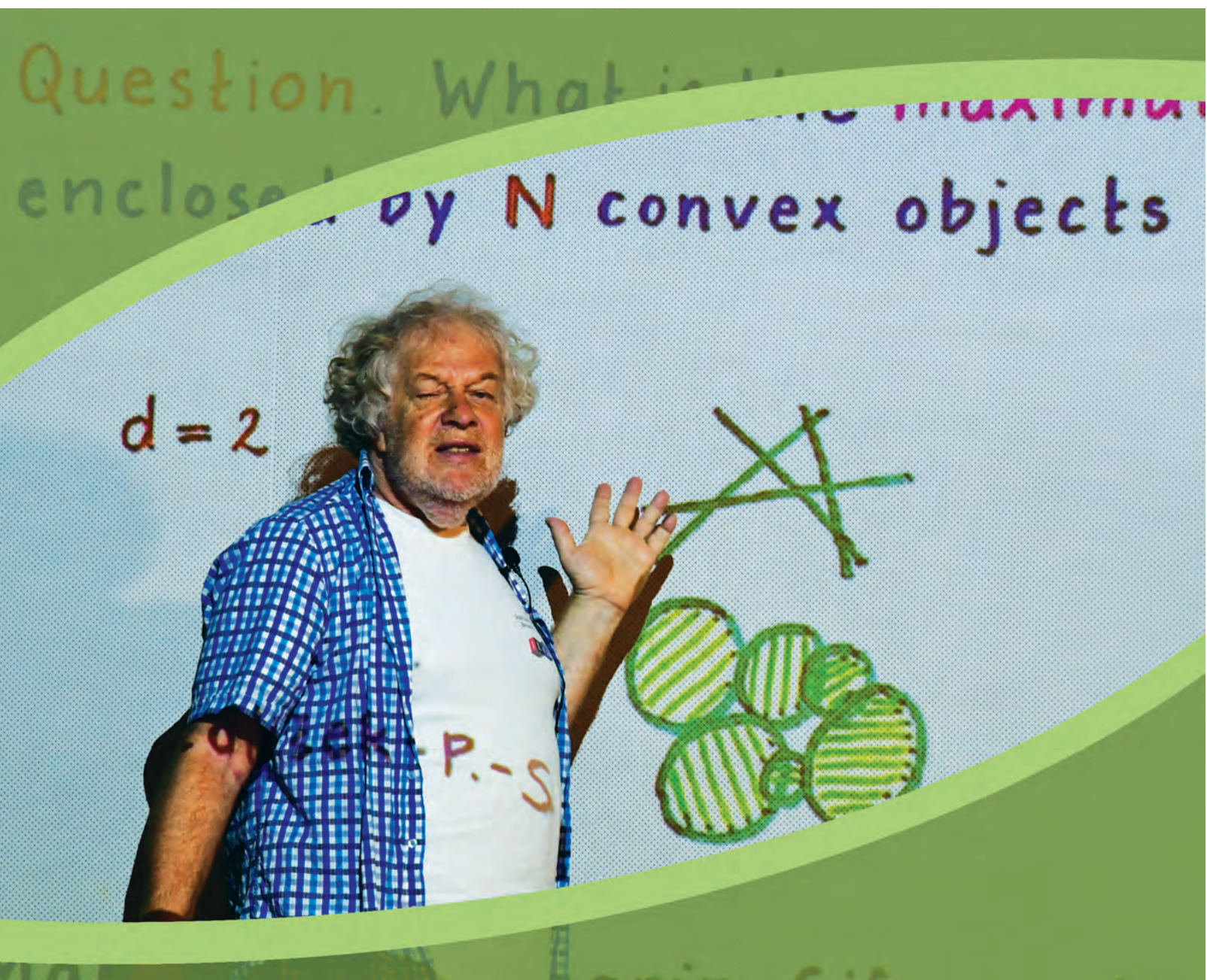


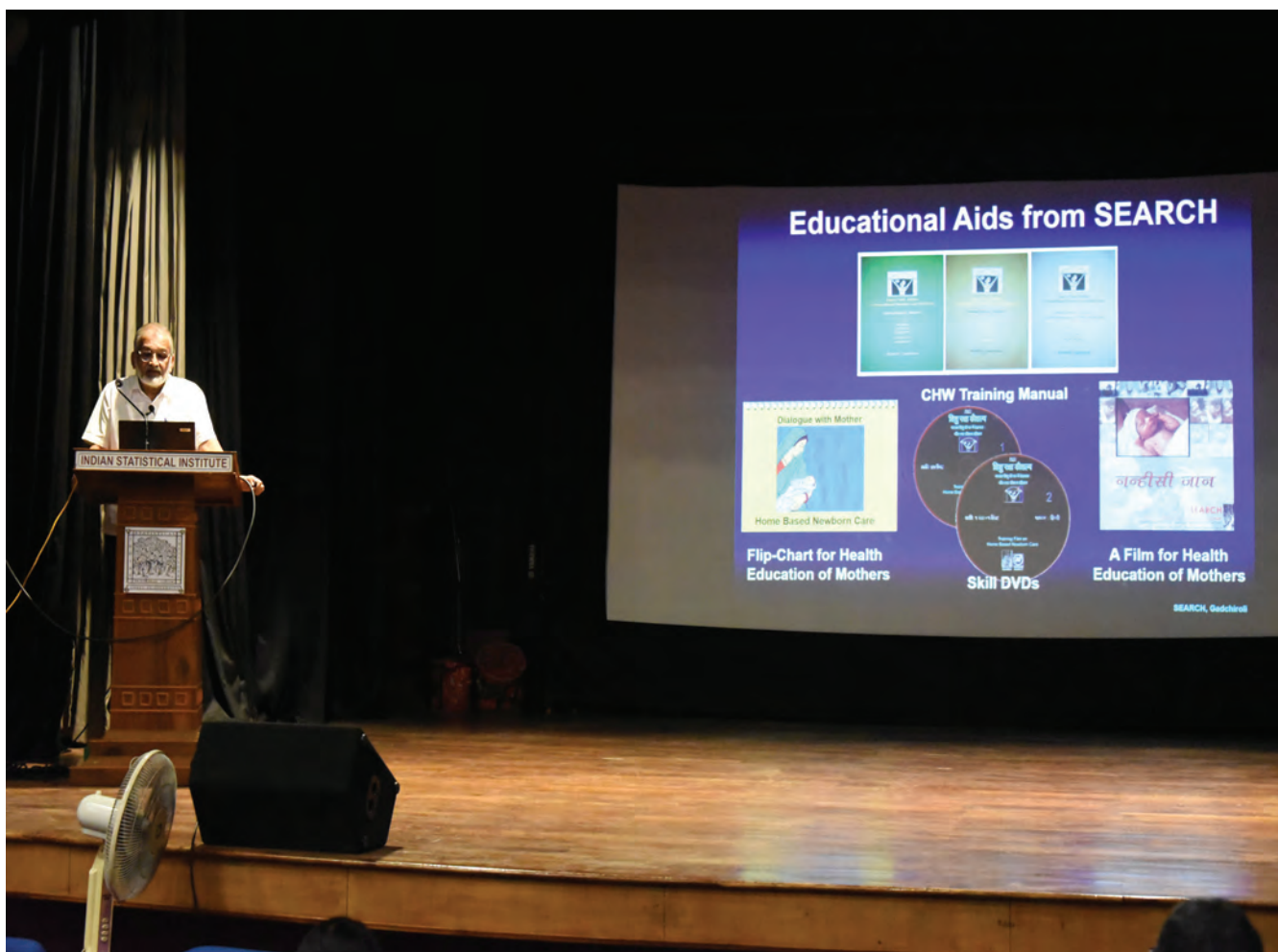
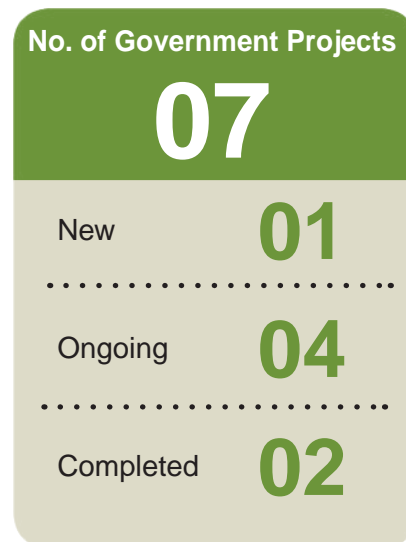
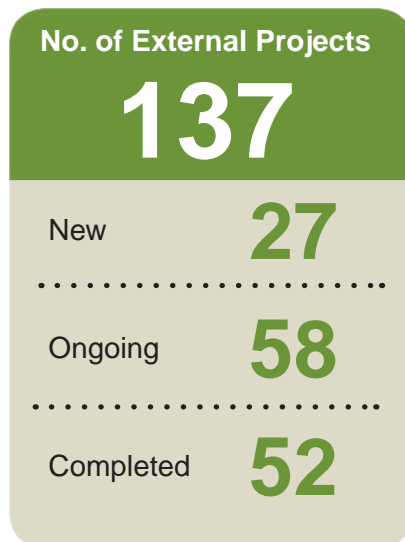
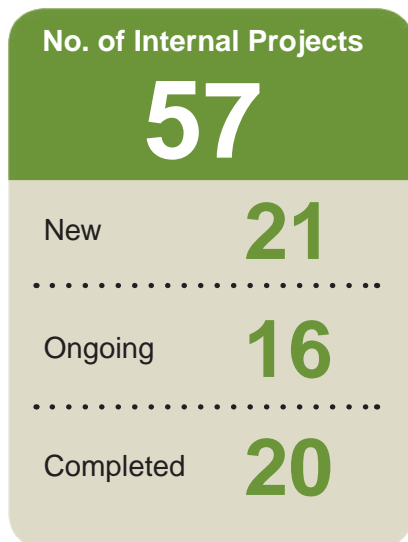
ISEC Regular Course 76th Batch				
Sl.	Name of Trainee	(Male/ Female)	Country	Supported by
01.	Sindayigaya Alexis	Male	Burundi	Ministry of External Affairs
02.	Simbizi Ananias	Male	Burundi	
03.	Payal Pritika Goundar	Female	Fiji	
04.	Vinesh Doyal	Male	Mauritius	
05.	Sarmandakh Sambuu	Female	Mongolia	
06.	Ariunbayan Davaasambuu	Female	Mongolia	
07.	Khin Hnin Phyu	Female	Myanmar	
08.	Thin Thin Soe	Female	Myanmar	
09.	Mo Mo San	Female	Myanmar	
10.	Boubacar Salou Rachid	Male	Niger	
11.	Dinah Hannah Tucker	Female	Sierra Leone	
12.	Sebit Alison John Ladu	Male	South Sudan	
13.	Charity John Tipo Yany	Female	South Sudan	
14.	Mfano Charles Petro	Male	Tanzania	
15.	Thomas Anywar	Male	Uganda	
16.	Abdurahumani Ssembuya	Male	Uganda	
17.	Robinson Alexander Morey Contreras	Male	Venezuela	
18.	James Nyamande	Male	Zimbabwe	

Special Course

Sl.	Name of Special Course	Duration	No. of Participants	(Male & Female)
1	Workshop on Industrial Experimentation	August 28 – September 17, 2024	13	M - 12 F - 01
	Objectives: The objective of this Workshop was to introduce to the scientists/engineers working in various research laboratories, R & D establishments and academia to the methodologies that are useful for planning and conduct of experiments and their analyses with the ultimate objective of being able to draw scientifically valid conclusions.			
2	Six Sigma Green Belt	October 23 – November 05, 2024	12	Male – 09 Female - 03
	Objectives: The objective of this training programme on Six Sigma Green Belt was to equip individuals with the knowledge and skills to lead and manage process improvement projects within an organization, using the DMAIC (Define, Measure, Analyze, Improve, Control) methodology and various statistical tools.			
3	Conducting Household Surveys-Sampling Methodologies and Analyses	January 08 – 21, 2025	15	Male – 06 Female - 09
	Objectives: The objectives of this course was to give theoretical and practical insights to the nuances of carrying out household surveys. The different sampling designs were explained and some examples of surveys carried out in India were discussed.			
4	Data Analytics for Decision-Making	February 26 – March 18, 2025	13	Male – 09 Female - 04
	Objectives: The objective of this course was to introduce policy planners and managers working in various areas to methodologies that are useful for analysis of Big Data, with the ultimate objective of being able to make more informed decisions leading to better decision-making.			

Research Activities

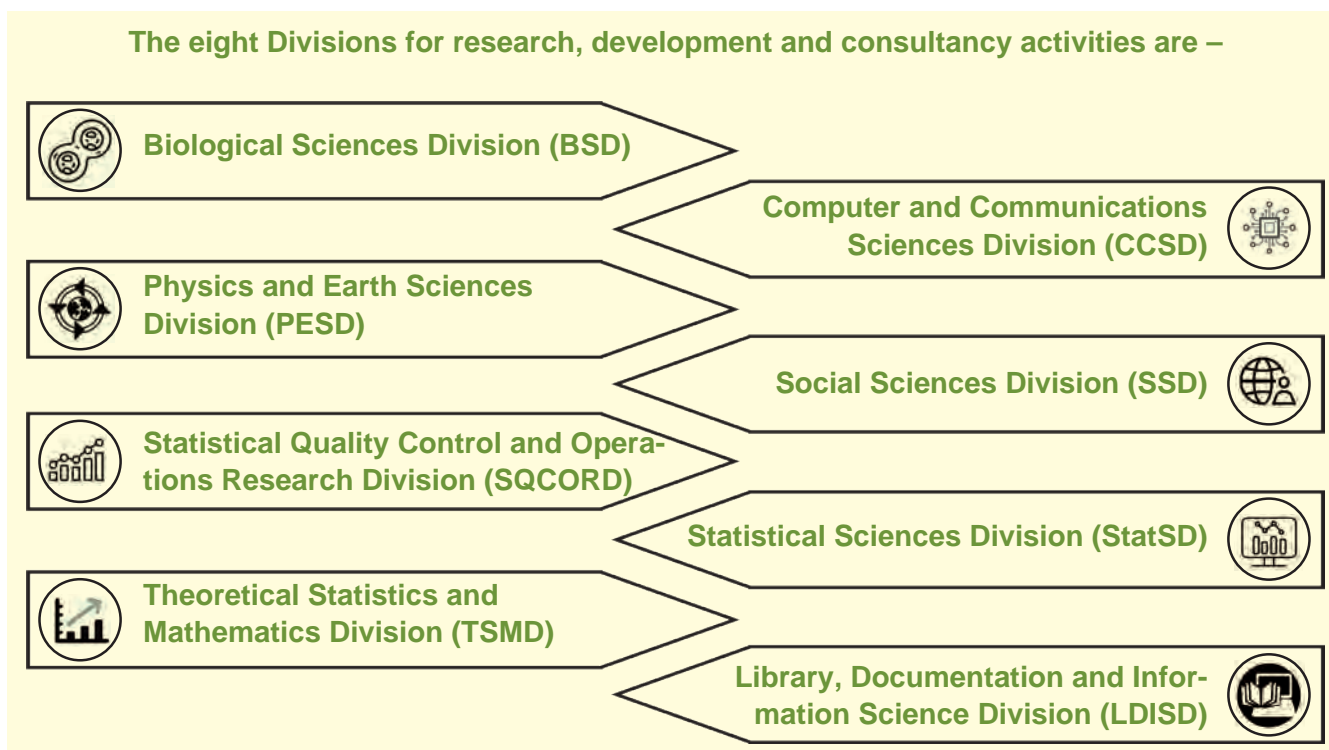




Research Activities

The major thrust of the Institute is on research in various disciplines and the activities of the Institute are organized into Divisions. These Divisions have multi-locational units (vide the Locations page, Chapter 1). Scientists of the Institute carry out independent research in their own basic discipline and also undertake interdisciplinary research in collaboration with other units within the Institute and also with other organizations. The Institute also takes up various internally and externally funded projects in diverse fields on challenging problems of national and international importance. As a part of research activities, the scientists of the Institute are also involved in consultancy work. The Institute has a network of units under the Statistical Quality Control and Operations Research Division which, in addition to research and training activities, also specialize in providing technical consultancy to a wide range of public and private organizations for developing quality management systems and in solving critical problems of quality, reliability and productivity.

This chapter provides the principal areas of work and the projects undertaken by the faculty, of the different Divisions, during 2024-25.



One Division providing services -

Computer and Statistical Services Centre (CSSC), Kolkata

Additionally, there are five national facilities –

				
The Centre for Artificial Intelligence and Machine Learning (CAIML), Kolkata	The Centre for research on the Economics of Climate, Food, Energy and Environment (CECFEE), Delhi	The Centre for Soft Computing Research (CSCR), Kolkata	The R. C. Bose Centre for Cryptology and Security (RCBCCS), Kolkata	Technology Innovations Hub (TIH), Kolkata

3.1 Biological Sciences Division (BSD)

Professor-in-Charge : ABHISHEK MUKHERJEE, AERU, Giridih (1st April 2024 to 17th September 2024)

Office : Rose Villa, New Barganda, Indian Statistical Institute, Giridih, Jharkhand - 815 301

: PRADIP BHATTACHARYYA, AERU, Giridih (18th September 2024 to 31st March 2025)

Office : Rose Villa, New Barganda, Indian Statistical Institute, Giridih, Jharkhand - 815 301

1.

Agricultural and Ecological Research Unit (AERU), Kolkata & Giridih

- Head of Unit: Suparna Mandal Biswas
- Number of Faculties: 9 (Male: 7, Female: 2)
- Number of Non-Scientific Worker: 4 (Male: 4)
- Number of Research Scholar: 27 (Male: 10, Female: 17)
- Office: 203, B. T. Road, Indian Statistical Institute, Kolkata 700108 and AERU Giridih Branch, Indian Statistical Institute, Rose Villa, New Barganda, Giridih, Jharkhand - 815 301

2.

Biological Anthropology Unit (BAU), Kolkata

- Head of Unit: Abhishek Mukherjee and Pradip Bhattacharyya
- Office: 3rd floor, R.A. Fisher Bhavan, Indian Statistical Institute, Kolkata - 700 108

3.

Human Genetics Unit (HGU), Kolkata

- Head of Unit: Raghunath Chatterjee
- Number of Faculties: 2 (Male: 2)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Number of Research Scholar: 8 (Male: 6, Female: 2)
- Office: A.N. Kolmogorov Bhavan, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700 108

1. Agricultural and Ecological Research Unit (AERU), Kolkata & Giridih

Research

AERU faculty members are engaged in a wide range of diverse research areas. Prof. Joydev Chattopadhyay specializes in disease modelling and ecological prey–predator models. Prof. P. Banik focuses on climate change, socioeconomic challenges of the Sundarbans, and technology adoption by farmers. Prof. Arunavo Goswami conducts research in nanoscience and nanotechnology. Prof. Sabyasachi Bhattacharya works on ecological networking, conservation biology, and stochastic stability. Prof. R.R. Chattopadhyay emphasizes biomolecular chemistry, particularly the development of novel natural food preservatives. Dr. Pradip Bhattacharya is engaged in waste management, phytoremediation, and metal–microbe interactions. Dr. Abhishek Mukherjee studies plant–nematode interactions and biocontrol of pests and diseases. Dr. Suparna Mandal Biswas focuses on developing potent senotherapeutics and nutraceuticals, exploring seed endophyte ecology, and performing metabolic profiling of endemic lichen species. Dr. Shamolina Ghosh investigates the influence of ecological factors on the stability of bird and fish communities.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Abhishek Mukherjee	Nano-biotechnological applications	Dr. Chandan Ghosh, Jadavpur University
	Plant-nematode interaction	Prof. Matiyur Rahaman Khan, Division of Nematology, IARI
	Plant-pest interaction	Dr. Ashok Giri, Chief Scientists, NCL Pune
Arunava Goswami	Nano-Biotechnology	Prof. Volker Hessel, The University of Adelaide, Australia Prof. Igor Polikarpov, University of Sao Paulo, Prof. Vladimir N Uversky, University of South Florida Dr. Kenneth Lundstrom, Pan Therapeutics Dr. Pallab Basu, University of the Witwatersrand.
Joydev Chattopadhyay	Biomathematics	
Pabitra Banik	Crop Production, Waste management, Artificial Intelligence in Agriculture	
Pradip Bhattacharyya	Soil and water pollution and remediation, Soil health, Environmental microbiology, Waste Management	Dibyendu Sarkar, Stevens Institute of Technology, USA Prof. Rupali Dutta, Michigan Technological University, USA Dr. Jajati Mandal, Salford University, UK
Rabi Ranjan Chattopadhyay	Natural Food Preservatives; Natural Products Research	
Sabyasachi Bhattacharya	Ecological Statistics ,Growth Curve Model , Ecological Networking, Stochastic Stability	
Shyamolina Ghosh	Ecology	
Suparna Mandal Biswas	Evaluating the potential role of plant derived natural products in urease inhibition and nitrogen utilization for enhancing soil health - A rhizosphere manipulation strategy	Prof. Panchanan Pramanik, IIT, Kharagpur.

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Suparna Mandal Biswas	Exploring the role of Seed endophytes in Plant Growth-Promotion and Biocontrol – natural alternatives for sustainable agriculture.	Dr. Arup K. Mukherjee, ICAR-National Rice Research Institute (formerly CRRI), Cuttack.
	Extracellular Pigments derived from Marine Bacterial Species to Multifaceted Applications in Food, drug, Cosmetic, and textiles	Dr. Lalit Kumar, ICAR - Indian Institute of Farming Systems Research, Modipuram Meerut.
	Metabolomic profiling and bioefficacy evaluation of some endemic lichen species.	Dr Pranab Kumar Mondal, Indian Institute of Technology Guwahati, Assam.
	Potent senotherapeutics for sustainable natural sources for rejuvenation and healthy aging.	Prof. Parimal Karmakar, Jadavpur University.

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Chitinolytic bacteria for Biological Control: A Sustainable and Eco-Friendly Approach to Integrated Pest Management in Agriculture	Apr 01, 2024	2 Years 4 Months	Abhishek Mukherjee
2	Exploring the role of squalene and its derivatives in cellular senescence and autophagy – A modern approach for rejuvenation and healthy aging	Apr 01, 2024	1 Years 4 Months 25 Days	Suparna Mandal Biswas
3	Microbial and plant-assisted bioremediation of potentially toxic elements from the coal mine contaminated soils of Jharkhand: A sustainable approach	Apr 01, 2024	3 Years	Pradip Bhattacharyya

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Mapping dynamic interaction of aqueous medicinal plant extracts and soil derived nanoparticles with simple and complex biological systems.	Apr 01, 2024	Mar 31, 2025	Arunava Goswami

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Agronomic evaluation of Nano-NPK and Nano-DAP	--	Apr 01, 2024	1 Years	Pradip Bhattacharyya	Rashtriya Chemicals and Fertilizers Limited, GOI	26,00,000.00
2	Machine learning for image-based identification of nematodes - a novel paradigm in biodiversity assessment and precision agriculture	E-252	Mar 25, 2025	3 Years	Abhishek Mukherjee	DBT	69,95,640.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Delaying programmed cell death of beneficial gut bacteria in microgravity using oxide and complex nanoparticles	E126	Jan 17, 2020	Jan 31, 2025	Arunava Goswami	ISRO-GoI	34,63,000.00

2. Biological Anthropology Unit (BAU), Kolkata

Research

The Biological Anthropology Unit continued research on biocultural aspects of health and well-being, with focus areas including consanguinity, mental health, and menopause, resulting in five research publications. A collaborative project proposal on self-care for menopausal women was submitted to ICSSR. The unit organised six academic events, notably a three-day workshop on field and lab methods, a six-day R programming workshop, and the international 8th India Biodiversity Meet. Prof. Lynnette Liedy Sievert (UMass Amherst) visited the unit during this period. The unit remains committed to interdisciplinary research and capacity building in biological anthropology.



3. Human Genetics Unit (HGU), Kolkata

Research

The primary focus of the Unit is to conduct research in human genetics, with emphasis on innovative statistical applications and methodological development, leveraging on the availability of a large number of isolated ethnic groups in India. The Unit also focuses on capacity building in human genetics through networking, organizing Workshops, Symposia and Conferences.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Aritra Bhattacharyya	genetic basis and immunology of lung diseases
Raghunath Chatterjee	Genomics and Epigenomics

Projects

Internally Funded Projects

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	PIWI interacting RNAs (piRNAs) in the pathogenesis of Psoriasis and their underlying molecular mechanisms	Apr 01, 2023	3 Years	Raghunath Chatterjee

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Response to 5-aza-2'-deoxycytidine (decitabine) therapy in activating fetal haemoglobin (HbF) among HbE/ β -thalassemia patients: development of a machine learning based predictive model	E222	Jan 01, 2024	3 Years	Raghunath Chatterjee	ICMR, Govt of India	1,54,31,000.00
2	miRNAs in regulating the cardinal histopathological features of Psoriasis and their role as molecular checkpoints in cell proliferation	E214	May 29, 2023	3 Years	Raghunath Chatterjee	SERB, Govt of India	38,50,000.00
3	Biomarker Identification: Multi-omics approaches to differentiate between diabetic and non-diabetic kidney disease and identification of markers of progression in chronic kidney disease.	E224	Jan 12, 2024	3 Years	Raghunath Chatterjee	ICMR	67,73,000.00

3.2 Computer and Communication Sciences Division (CCSD)

Professor-in-Charge : RAJAT KUMAR DE, MIU, Kolkata (1st April 2024 to 17th September 2024)

Office : 4th floor, Platinum Jubilee Building, Indian Statistical Institute, Kolkata - 700 108

: SWAGATAM DAS, ECSU, Kolkata (18th September 2024 to 31st March 2025)

Office : 9th floor, S.N. Bose Bhavan, Indian Statistical Institute, Kolkata - 700 108

1.

Advanced Computing and Microelectronics Unit (ACMU), Kolkata

- Head of Unit: Sandip Das
- Number of Faculties: 9 (Male: 9)
- Number of Non-Scientific Worker: 3 (Male: 3)
- Number of Research Scholar: 37 (Male: 27, Female: 10)
- Office: 5th floor, Platinum Jubilee Building, Indian Statistical Institute, Kolkata - 700 108

2.

Computer Science Unit (CSU), Chennai

- Head of Unit: Mathew C. Francis
- Number of Faculties: 4 (Male: 3, Female: 1)
- Number of Research Scholar: 3 (Male: 3)
- Office: Indian Statistical Institute, Chennai Centre, 110 Nelson Manickam Road, Aminjikarai, Chennai - 600 029

3.

Computer Vision and Pattern Recognition Unit (CVPRU), Kolkata

- Head of Unit: Sarbani Palit and Utpal Garain
- Number of Faculties: 6 (Male: 5, Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 17 (Male: 12, Female: 5)
- Office: 8th floor, S.N. Bose Bhavan, Indian Statistical Institute, Kolkata - 700 108

4.

Cryptology and Security Research Unit (CSRU), Kolkata

- Head of Unit: Goutam Kumar Paul
- Number of Faculties: 5 (Male: 5)
- Number of Non-Scientific Worker: 3 (Male: 3)
- Office: C.D. Deshmukh Bhavan, Indian Statistical Institute, Kolkata - 700 108

5.

Electronics and Communication Sciences Unit (ECSU), Kolkata

- Head of Unit: Pinakpani Pal
- Number of Faculties: 5 (Male: 4, Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 7 (Male: 7)
- Number of Research Scholar: 16 (Male: 16)
- Office: 9th Floor, S N Bose Bhavan, Indian Statistical Institute, 203 B.T. Road, Kolkata - 700 108

6.

Machine Intelligence Unit (MIU), Kolkata

- Head of Unit: Rajat Kumar De
- Number of Faculties: 10 (Male: 7, Female: 3)
- Number of Non-Scientific Worker: 3 (Male: 2, Female: 1)
- Number of Research Scholar: 16 (Male: 9, Female: 7)
- Office: 3rd and 4th Floor, PJA Building, Indian Statistical Institute, Kolkata - 700 108

7.

Systems Science and Informatics Unit (SSIU), Bangalore

- Head of Unit: Prabuddha Chakraborty and Kaushik Majumdar
- Number of Faculties: 4 (Male: 4)
- Number of Non-Scientific Worker: 1 (Female: 1)
- Number of Research Scholar: 3 (Male: 3)
- Office: Indian Statistical Institute, Bangalore Centre, 8th Mile, Mysore Road, Bangalore 560 059

1. Advanced Computing and Microelectronics Unit (ACMU), Kolkata

Research

The Advanced Computing and Microelectronics Unit (ACMU) is a premier research unit under the Computer and Communication Sciences Division (CCSD) of the Indian Statistical Institute (ISI), Kolkata. ACMU focuses on cutting-edge research in areas such as microelectronics, VLSI design and verification, electronic design automation (EDA), algorithms, logic, and complexity theory. Over the past year, ACMU faculty have successfully graduated around 10 PhD students in Computer Science and currently guide over 40 PhD scholars. Faculty members regularly publish in top-tier A* conferences and journals in computer science, demonstrating the unit's strong academic footprint. Alongside research, ACMU faculty are actively involved in teaching core and advanced courses across various programs including M.Tech, B.Stat, M.Math, BS in Data Science (BSDS), and others. The unit plays a significant role in fostering theoretical and applied research while also contributing to ISI's academic and technological ecosystem.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Ansuman Banerjee	Formal Verification	
Krishnendu Mukhopadhyaya	Swarm Robotics	Abhinav Chakraborty, BIT Mesra, Bibhuti Das, Subhash Bhagat, IIT Jodhpur, Barun Gorai, IIT Bhilai
Sandip Das	Algorithm, Computational Geometry, Combinatorics	
Sasanka Roy	Computational Geometry	Prof. M. Sharir, Tel Aviv University, Israel Prof. H. Kaplan, Tel Aviv University, Israel Prof. M. Katz, Ben Gurion University, Israel Prof. A. Maheshwari, Carleton University, Canada B. Roy, IIT Kharagpur
Sasthi Charan Ghosh	5G/6G, Mobile Computing, Wireless Network	
Sourav Chakraborty	Theoretical Computer Science	Uddalok Sarakar (ACMU, ISI), Arijit Ghosh (ACMU, ISI), Kuldeep Meel (Georgia Institute of Technology, USA), Eldar Fischer (Technion, Israel), Sayantan Sen (NUS, Singapore), Gopinath Mishra (NUS, Singapore), Amit Levi (Haifa University, Israel), Diptarka Chakraborty (NUS, Singapore), Gunjan Kumar (IIT Kanpur), N.V. Vinodchandran (University of Nebraska, USA), Mridul Nandi (ASU, ISI), Soumit Pal (ASU, ISI), Chandrima Kayal (IRIF, France), Manaswi Paraashar (Univeristy of Copenhagen, Denmark), Rajat Mittal (IIT Kanpur), Swarnalipa Dutta (ACMU, ISI), Nitin Saurabh (IIT Hyderabad), Pranjal Dutta (NTU, Singapore), Swagato Sanyal (University of Sheffield, UK), Rishiraj Bhattacharyya (Univeristy of Birmingham, UK), Mate Soos (Germany)
Sumanta Ghosh	Theoretical Computer Science	Vishwas Bhargava, Caltech Abhranil Chatterjee, IIT Kanpur Kuntal Das Pranjal Dutta, NTU Singapore Arijit Ghosh Rohit Gurjar, IIT Bombay Roshan Raj, TIFR Anamay Tengse, NISER Bhubaneswar

Projects

Internally Funded Projects

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Verified Deep Learning: A Formal Methods perspective	Apr 01, 2023	3 Years	Ansuman Banerjee
2	Distributed Algorithms for Programmable Matter	Apr 01, 2023	3 Years	Krishnendu Mukhopadhyaya
3	Multipacking on Graphs	Apr 01, 2023	3 Years	Sandip Das
4	Optimization Problems in Geometric Intersection Graphs	Apr 01, 2023	3 Years	Sasanka Roy

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	On the Interplay of Machine Models and Algorithms	Apr 01, 2022	Mar 31, 2025	Arijit Bishnu
2	Network selection in 5G and Beyond: an AI Perspective	Apr 01, 2022	Mar 31, 2025	Sasthi Charan Ghosh
3	Equivalence Testing of Probabilistic Programs	Apr 01, 2022	Mar 31, 2025	Sourav Chakraborty

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Spiking Neural Networks	E240	Sep 01, 2024	3 Years	Ansuman Banerjee	Ericsson Research	55,00,000.00
2	New Directions in Data Streaming: Models and Algorithms	E247	Jan 01, 2025	3 Years	Sourav Chakraborty	DST NSF joint	58,11,601.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Formal Verification of Cache Coherence	E195	Feb 01, 2023	2 Years	Ansuman Banerjee	Thales Research and Technology	23,00,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Towards Fourier Entropy Influence Conjecture	E182	Feb 19, 2022	Feb 19, 2025	Sourav Chakraborty	MATRICES SERB	6,20,000.00

2. Computer Science Unit (CSU), Chennai

Research

Two PhD scholars of the unit graduated in the last year. The faculty members published papers in key international venues.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Ayineedi Venkateswarlu	Cryptology, Computational Algebra and Number Theory	
Mathew C. Francis	Graph theory and graph algorithms	
Sujata Ghosh	Logic	Prof. T. Braüner, Roskilde University Aishwarya Ghosh, University of Utah S. Gupta, IISc Bengaluru Dr. L. Li, Shaanxi Normal University Y. Tu, Princeton University Prof. F. Liu, Tsinghua University Dr. D. Li, Chinese Academy of Sciences Q. Chen, Tsinghua University S. Banerjee A. Banerjee.
T. Karthick	Graph Theory	Shenwei Huang (Nankai University, Tianjin, China), Arnab Char, C. U. Angeliya

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Chromatic Bounds for some special classes of graphs	N-812	Dec 20, 2023	2 Years	T. Karthick	NBHM	14,36,456.00

3. Computer Vision and Pattern Recognition Unit (CVPRU), Kolkata

Research

The CVPR Unit is a leader in cutting-edge AI research, specializing in machine learning and its wide-ranging applications. Researchers have achieved significant advancements in text analytics, medical data analysis, information retrieval, and explainable AI models, with ongoing research involving large language models. The Unit excels in handwriting recognition, degraded document image analysis, scene text identification, underwater image enhancement, and image-based haze analysis for PM2.5 estimation, as well as applying machine learning to cosmology. Additional research focuses on calibration and causal analysis, further expanding the Unit's impact. This multidisciplinary approach underscores the Unit's commitment to addressing real-world challenges through innovative AI methodologies.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Debapriyo Majumdar	Information Retrieval, NLP	
Mandar Mitra	Information Retrieval	Debapriyo Majumdar Sourav Saha Suchana Datta, University College Dublin Dwaipayan Roy, IISER Kolkata Venkatesh V, TU Delft Avishek Anand, TU Delft

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Sarbani Palit	Signal and Image Processing	
Ujjwal Bhattacharya	AI, CV, DP, ML	
Umapada Pal	Document Analysis	
Utpal Garain	GenAI, Machine Learning, NLP and Health Analytics	

Projects

Internally Funded Projects

NEW PROJECTS

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Explainability in Information Retrieval	Apr 01, 2024	3 Years	Mandar Mitra
2	Output Explainable Computer-aided Medical Diagnostics Systems	Apr 01, 2024	3 Years	Utpal Garain

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	DSTS: Deep Scene Text Spotting	Apr 01, 2023	3 Years	Ujjwal Bhattacharya

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Air Quality assessment of industrial regions using camera-captured images	E 223	Apr 17, 2024	2 Years	Sarbani Palit	West Bengal Pollution Control Board	16,29,449.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Image-based quality control of raw materials for steel production	E 201	Jan 31, 2023	2 Years	Sarbani Palit	MSP Steel and Power Limited	5,86,500.00
2	SARER- Semantically-aware Representation for Efficient Reasoning	E-208	Apr 01, 2023	3 Years	Utpal Garain	Indo-French Centre for the Promotion of Advanced Research (IFCPAR/ CEFIPRA)	82,37,118.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Mentoring/guiding MOL-IT team members on topics/ issues related to ML/AI which would in turn help in the achievement of improved results in such team members' AI/ML based projects	E203	Jun 01, 2023	May 31, 2024	Ujjwal Bhattacharya	MOL Information Technology India Pvt. Ltd. (MOL-IT)	18,88,000.00
2	Interpretable Deep Models for ECG Analytics	I-119	Apr 01, 2024	Mar 31, 2025	Utpal Garain	Tata Consultancy Services (TCS)	33,21,936.00

4. Cryptology and Security Research Unit (CSRU), Kolkata

Research

CSRU is a part of the Computer and Communication Sciences Division (CCSD) of Indian Statistical Institute, Kolkata. It is an integral component of R C Bose Centre for Cryptology and Security, a national hub for cryptographic requirements, cutting-edge research activities and indigenous capacity building in all relevant fields of study. The Unit aims at the promotion of interdisciplinary research in Mathematics, Computer Science and Statistics towards furtherance of teaching, research as well as training and development in Cryptology and Cyber Security. Major activities of CSRU include teaching, training and research in Cryptology and Security. The Unit promotes sustained collaboration in focused research areas, and serves as a meeting point for eminent scholars. It also conducts internship and training programs targeted to produce a critical mass of experts to cater to the national and international requirements in this niche area.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Anisur Rahaman Molla	Mobile Agents Based Distributed Computation	Prof. Ajay D. Kshemkalyani, UI, Chicago, USA Dr. Gokarna Sharma, Kent State University, USA Dr. Manish Kumar, IIT Madras Dr. Apurba Das, BITS Pilani Hyderabad
	Security in Distributed Computing	Dr. Manish Kumar, IIT Madras Mr. Rik Banerjee
Debrup Chakraborty	Searchable Encryption	Avishek Mazumder (UPES, Dehradun), Subhabrata Samajder (TCG Crest)
	Security in ARM Processors	Ansuman Banerjee, Debashis Mahata
	Symmetric key cryptography	Palash Sarkar, Sebaty Ghosh (University of York, UK), Cuauhtemoc Mancillas Lopez (CINVESTAV, Mexico), Samir Kundu (Siksha & Anusandhan University)
Goutam Kumar Paul	Cryptology, Quantum Information, Computation and Communication	

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Mriganka Mandal	Attribute-Based Encryption	Prof. Arijit Karati, National Sun Yat-sen University Dr. Ravi Anand, IIIT Delhi
	Broadcast Encryption	Prof. Ratna Dutta, IIT Kharagpur Prof. Koji Nuida, Kyushu University
	Functional Encryption	Prof. Junbeom Hur, Korea University Prof. Yi-Fan Tseng, Dr. Nupur Gupta, SAG, DRDO
	Hybrid Quantum-Classical Cryptosystem	Dr. Pradip Sasmal, IIT Jodhpur Dr. Bimal Mandal, IIT Jodhpur
	Multivariate Public-Key Cryptography	Prof. Sourav Mukhopadhyay, IIT Kharagpur Prof. Chun-I Fan, National Sun Yat-sen University
Sabyasachi Karati	Algebraic-curve-based Cryptography	None
	Hash-Based Post-Quantum Signature Schemes	Prof. Reihaneh Safavi-Naini, University of Calgary
	MAC and Authenticated Encryption	Dr. Debrup Chakraborty, ISI Kolkata

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Cryptography (Embedded) Software Lab	Jun 20, 2024	3 Years	Sabyasachi Karati
2	Setting up a Quantum Cryptosystem Laboratory	Oct 01, 2024	2 Years	Goutam Kumar Paul

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Secure Computation in Sparse Distributed Networks	E244	Oct 11, 2024	3 Years	Anisur Rahaman Molla	SERB-ANRF	34,75,032.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Designing Quantum Data Broadcasting Protocols Over Classical Communication Channels with Robust Quantum Provable Security	E235	Jan 02, 2024	3 Years	Mriganka Mandal	Science and Engineering Research Board (SERB), Government of India	22,21,329.00

5. Electronics and Communication Sciences Unit (ECSU), Kolkata

Research

The Electronics and Communication Sciences Unit (ECSU) is the oldest unit within the Computer and Communication Sciences Division (CCSD) of the Indian Statistical Institute, Kolkata. This unit is deeply involved in cutting-edge research in diverse areas including deep generative models, large language models, medical informatics, statistical theory of deep learning, image and video analytics, computational intelligence, information theory, quantum information processing, Cyber-Physical Systems, and Formal Verification of AI-assisted Systems. Faculty members actively participate in various governmental and industrial projects and consultancies that address significant real-life challenges of national importance. ECSU regularly hosts international conferences and workshops featuring esteemed researchers from around the globe. Faculty members have received numerous national and international awards and honors in recognition of their research excellence. They are also dedicated to knowledge dissemination through teaching, training, and research guidance. The unit is supported by a dynamic team of junior and senior research fellows, project-linked personnel, and both scientific and non-scientific staff, all of whom contribute significantly to the unit's accomplishments.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Dipti Prasad Mukherjee	Computer Vision	
Naqeeb Ahmad Warsi	Quantum Information Theory and Quantum Learning Theory	Prof. Masahito Hayashi, Nagoya University, Japan
Partha Pratim Mohanta	Image and Video Processing, Computer Vision	Sanjoy Kumar Saha, Jadavpur University, India
	Machine/Deep Learning, Neural Networks, Artificial Intelligence	Sayed Umer, Aliah University, India
Pinakpani Pal	Computer Science	
Sumana Ghosh	Cyber-physical systems, Embedded Systems, Formal Verification	Dr. A. Banerjee, ACMU Dr. D. Lohar, Karlsruhe Institute of Technology, Germany Dr. R. Gajavelly, IBM India Dr. S. Dey, IIT Kharagpur Dr. S. Mohalik, Ericsson India Dr. S. Sudhakar, TI India Dr. S. Das, Ericsson India, Dr. R. Sircar, Ericsson India
Swagatam Das	AI & Machine Learning	
	Statistical Theory of Deep Learning	
	Topological Data Analytics	Vaclav Snasel, VSB TU Ostrava

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Design and Development of IoT-Based Affective Computing Technologies for Healthcare Applications	Apr 01, 2024	3 Years	Partha Pratim Mohanta

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Image and Video Understanding in 5G Infrastructure	Apr 01, 2023	3 Years	Dipti Prasad Mukherjee
2	Cross-Layer Approach for Designing Secure Cyber-Physical Systems	Apr 01, 2023	2 Years 4 Months 13 Days	Sumana Ghosh

Externally Funded Projects**New Projects**

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Flat Product Surface Defect Detection System using Image Processing Algorithms	I098	Jun 01, 2024	2 Years	Dipti Prasad Mukherjee	Tata Steel	24,00,000.00
2	On-demand Compute Management using Formal Methods	I-115	Sep 16, 2024	11 Months 3 Days	Sumana Ghosh	Ericsson Research India	43,90,000.00
3	Unlocking neuroimaging insights with NICARA integrated with a deep learning pipeline for Detection and Staging of Alzheimer's Disease	I108	May 01, 2024	1 Years	Swagatam Das	TCG CREST	12,00,000.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Deployment of Services related to Image and Video Understanding in 5G Infrastructure	E200	Apr 01, 2023	3 Years	Dipti Prasad Mukherjee	SERB, ANRF	27,48,196.00
2	Development of Automated Procedure for Coke/ Carbon Petrography for its Industrial Application	I091	Jun 01, 2023	2 Years	Dipti Prasad Mukherjee	Tata Steel	20,40,000.00
3	Machine Learning and Formal Verification Joining Hands	F-018	Dec 01, 2022	2 Years 9 Months 13 Days	Sumana Ghosh	Semiconductor Research Corporation USA	35,00,000.00

6. Machine Intelligence Unit (MIU), Kolkata**Research**

The objective of the Machine Intelligence Unit (MIU) is to carry out fundamental research concerning certain aspects of machine intelligence, attempting to make a machine behave like human being. MIU focuses on different technologies of artificial intelligence, along with their synergistic hybridization, to develop algorithms/systems emulating human like learning and uncertainty management capability, towards efficient decision making in real-life ambiguous situations. The study comprises both from the perspectives of theory and applications. Theoretical study deals with developing novel evolutionary algorithms,

deep neural network models with optimized architecture and appropriate learning algorithms, and computational social choice. MIU adaptively considers application areas as per societal need, which currently include computational biology, bioinformatics, bioengineering, computational neuroscience, medical image processing, healthcare management, computer vision, crowd sourcing, and remote sensing image analysis. The aforesaid algorithms/systems play around these application areas posing certain challenges due to huge amount of high-throughput data being generated from multiple sources.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Deba Prasad Mandal	Web Mining, Text Mining	
Kuntal Ghosh	Cognitive Science, Computer Vision	
Malay Bhattacharyya	Computation for Social Good, Computational Healthcare	Dr. Ramit Debnath, University of Cambridge Prof. Christopher E. Mason, Weill Cornell Medicine
Pradipta Maji	Machine Learning, Computer Vision, Medical Image Processing, Bioinformatics	Dr. Archya Dasgupta, ACTREC, Tata Memorial Centre, Mumbai Dr. Shaswati Roy, TIU Kolkata Suman Mahapatra
Shubhra Sankar Ray	Bioinformatics	Joginder Singh and Sukriti Roy
	Soft Computing	Joginder Singh and Sukriti Roy
Rajat Kumar De	Machine Learning, Computational Biology, Big Data Analytics, Bioinformatics, Bioengineering	Dr. D. B. Seal, Proteomics and Cancer Cell Signalling, Deutsches Krebsforschungszentrum (DKFZ), Heidelberg, Germany Dr. R. Sinha, Heritage Institute of Technology, Kolkata Mr. S. Samaddar, Heritage Institute of Technology, Kolkata
Sanghamitra Bandyopadhyay	Machine Learning, Deep Learning, Multiobjective Optimization, Computational Biology,	Dr. Girish Mishra, DRDO Dr. Saibal K Pal, DRDO Prof. Ujjwal Maulik, Jadavpur University Dr. Sumanta Ray, National University of Juridical Sciences
Sanjukta Roy	Computational Social Choice, Theoretical Computer Science	
Sushmita Mitra	Data Science, Deep Learning, Medical Imaging	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Analysis of influential features for mapping landslides in different vulnerable zones in India	Apr 01, 2024	3 Years	Kuntal Ghosh

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Crowd Opinion Aggregation in a Streaming Setting	Apr 01, 2023	3 Years	Malay Bhattacharyya

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
2	Deep Multi-View Dependency Analysis for Cancer Diagnosis and Prognosis	Apr 01, 2023	3 Years	Pradipta Maji
3	Interactive Robust Grading of Prostate Cancer using Deep Learning	Apr 01, 2023	3 Years	Sushmita Mitra

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	A study in ecological cybernetics: information processing in <i>Alternanthera philoxeroides</i> , the Alligator Weed.	Apr 01, 2022	Apr 01, 2024	Kuntal Ghosh
2	Brain Network Analysis of Neurological Disorders like Stroke, Epilepsy, and Dementia	Apr 01, 2021	Apr 01, 2024	Kuntal Ghosh
3	Integrating Whole Exome Data with MiRNA Expressions for Cancer analysis	Jan 04, 2022	Mar 10, 2025	Shubhra Sankar Ray
4	Development of Scalable Repository and Machine Learning Algorithms for Next Generation Sequence (NGS) Analysis under Big Data Framework: A Step towards Personalized Medicine	Apr 01, 2022	Mar 31, 2025	Rajat Kumar De
5	Hierarchical Semantics-driven Graph Representation Learning based on Micro-Macro Analysis	Apr 01, 2022	Mar 31, 2025	Sanghamitra Bandyopadhyay

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	National Network Project of Bose Institute with Indian Statistical Institute and Vidyasagar University	E-238	May 03, 2024	5 Years	Rajat Kumar De	Department of Biotechnology	60,92,812.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Copula Functions in Analysis of Single Cell Gene Expression Data (JC Bose Project) Phase II	E-192	Feb 01, 2022	5 Years	Sanghamitra Bandyopadhyay	ANRF-SERB	95,00,000.00
2	Exploring Graph Neural Networks (GNNs) for Data-driven Modeling of Poly-pharmacy Adverse Drug Events from Drug-Drug Interactions	E191	Nov 15, 2022	3 Years	Sanghamitra Bandyopadhyay	CEFIPRA Indo-French Project	44,19,162.00
3	Exploring the heterogeneity of systemic lupus patients based on autoantibodies distribution and multi-omics approaches compared in two ethnic cohort	E213	Feb 06, 2023	2 Years	Sanghamitra Bandyopadhyay	DST	12,52,310.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
4	Artificial Intelligence for Affordable Screening and Prediction of Diabetic Retinopathy in the Framework of Big Data	E173	Dec 15, 2021	4 Years	Sushmita Mitra	DBT	2,72,23,224.00
5	J C Bose Fellowship	E156	Mar 22, 2021	5 Years	Sushmita Mitra	SERB, DST	95,00,000.00

7. Systems Science and Informatics Unit (SSIU), Bangalore

Research

The unit was created on 5th August 2009 as a fully computational science unit. The current foci of the unit broadly are geoinformatics, neuroinformatics, quantum informatics and machine learning.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
B. S. Daya Sagar	Geographical Information Science (GISci)	
	History of Mathematical Geosciences	Dr. Frits Agterberg, Canada Geological Survey
	Mathematical Morphology	Geetika Barman, ISI Bangalore
	Remote Sensing Image Analysis	Prof. Jaya Sreevalsan-Nair, IIIT Bangalore Geetika Barman, ISI Bangalore Dr. Lim Sin Liang, MMU Malaysia
Kaushik Majumdar	Brain signal and information processing	
	Computer Science	
	Deep learning	
	Statistical machine learning	
Prabuddha Chakraborty	Density Matrix renormalization Group studies of strongly correlated systems	Rahul Pratap Patel
	Interacting Weyl and Dirac Materials	Pallab Goswami, Northwestern University, Illinois, USA
	Quantum Condensed Matter Physics	Prof. Vijay Shenoy, Indian Institute of Science, Bangalore
Saroj Kumar Meher	Machine Learning, Image Processing	

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Granular Deep Learning Models For Remote Sensing Image Classification	E-523	Jan 04, 2023	3 Years	Saroj Kumar Meher	ANRF, DST, Govt. of India	6,60,000.00

3.3 Physics and Earth Sciences Division

Professor-in-Charge : PARTHASARATHI GHOSH, **GSU**, Kolkata (1st April 2024 to 17th September 2024)

Office : 2nd floor, Platinum Jubilee Building, Indian Statistical Institute, Kolkata - 700 108

: SUPRATIK PAL, **PAMU**, Kolkata (18th September 2024 to 31st March 2025)

Office : 7th Floor, A.N. Kolmogorov Bhavan, 203, Indian Statistical Institute, B.T. Road, Kolkata - 700 108

1.

Geological Studies Unit (GSU), Kolkata

- Head of Unit: Amlan Banerjee
- Number of Faculties: 6 (Male: 4, Female: 2)
- Number of Scientific Worker: 2 (Male: 2,)
- Number of Non-Scientific Worker: 2 (Female: 2)
- Number of Research Scholar: 14 (Male: 6, Female: 8)
- Office: 2nd floor, Platinum Jubilee Building, Indian Statistical Institute, Kolkata - 700 108

2.

Physics and Applied Mathematics Unit (PAMU), Kolkata

- Head of Unit: Santanu K. Maiti
- Number of Faculties: 9 (Male: 8, Female: 1)
- Number of Scientific Worker: 2 (Male: 2)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Number of Research Scholar: 45 (Male: 33, Female: 12)
- Office: 7th Floor, A.N. Kolmogorov Bhavan, 203, Indian Statistical Institute, B.T. Road, Kolkata - 700 108

3.

Theoretical and Applied Sciences Unit (TASU), North-East Centre, Tezpur

- Head of Unit: Souvik Roy
- Number of Faculties: 3 (Male: 3)
- Office: Punioni, Indian Statistical Institute, North East Centre, Tezpur, Assam - 784 501

1. Geological Studies Unit (GSU), Kolkata

Research

GSU conducts advanced research into the geodynamic and biotic evolution of the Earth over geological timescales. The Unit undertakes integrated research projects on solid Earth processes and develops statistical, analogue, and numerical models in areas such as structural geology, tectonics, metamorphic crustal evolution, geochemistry, sedimentology, palaeontology and paleo-biodiversity. In recent years, GSU has expanded its research portfolio to include planetary geosciences and has undertaken societally relevant studies, such as statistical modeling for earthquake prediction, fracture network analysis for mineral exploration, and research supporting nuclear waste management and geothermal energy development. Recently GSU has introduced a three months' certificate program on "Quantitative Techniques in Geosciences" (QTG) during summer and is going to introduce an extensive Geological Field Training Program for 10-14 days during winter session. Regularly GSU organizes national seminars and workshops on various aspects of geosciences for the students and professionals. GSU faculty members and scientific staff serve as resource persons for various workshops and training programs conducted by the Institute and government organizations such as the Geological Survey of India. They are also actively involved in maintaining the Geology Museum, which houses a rich collection of vertebrate and invertebrate fossils. Male and female members participated jointly in all the activities.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Amlan Banerjee	Geology	Dr. D. Chatterjee, Visva-Bharati University Prof. D. Paul, IIT Kanpur Dr. S. Mukhopadhyay, Jadavpur University
Arijit Debnath	Stratigraphy and sedimentological study of the siliciclastic and carbonate rocks of the Kurnool Group, Cuddapah Basin	Dr. Amlan Banerjee
	Tectono-sedimentary evolution of the Eastern Himalayan Siwalik Group, Arunachal Pradesh: implication for the sea-level changes and tectonics.	Dr. Sandip More (Assistant Professor), Department of Botany, Murshidabad University Dr. Suchana Taral, Assistant Professor, Department of Earth Sciences, Pondicherry University Dr. Tapan Chakraborty (Retired Professor), Honorary Visiting Scientist, ISI
Debarati Mukherjee	Vertebrate Palaeontology	Prof. Sanghamitra Ray, IIT Kharagpur Prof. Sunil Bajpai, IIT Roorkee
Parthasarathi Ghosh	Geology	
Shiladri Shekhar Das	Invertebrate Palaeontology	
Shreya Karmakar	Metamorphic Petrology	
Tridib Kumar Mondal	Structural Geology	Dr. Soumendu Sundar Mukherjee, Dr. S Mondal, IIT Kharagpur Dr. Susanta Samanta, Jadavpur University Dr. V. Thirukumaran, Govt. Arts College, Salem Dr. Md. Sakawat Hossain, Jahangirnagar University, Bangladesh Dr. Arnab Sain, Presidency University, Kolkata
	Tectonics	Dr. S Mondal, IIT Kharagpur Dr. Susanta Samanta, Jadavpur University Dr. V. Thirukumaran, Govt. Arts College, Salem Dr. Md. Sakawat Hossain, Jahangirnagar University, Bangladesh Dr. Arnab Sain, Presidency University, Kolkata

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Sedimentology and geochemical study of the siliciclastic and carbonate rocks of the Kurnool Group, Cuddapah Basin	Apr 01, 2024	3 Years	Amlan Banerjee
2	Upkeep of Geology Museum at the PJA Building: special Endeavour after ten years of shifting from P. L. Robinson Bhavan	Apr 01, 2024	1 Years	Debarati Mukherjee
3	Tectonometamorphic evolution of the Chitradurga Greenstone Belt: Implications for the evolution of the Dharwar Craton and Nature of Archean Tectonics	Oct 21, 2024	2 Years	Shreya Karmakar

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Mineralogical and Geochemical changes across the Triassic-Jurassic Boundary	Apr 01, 2022	3 Years	Parthasarathi Ghosh

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	A multidimensional study on the Gondwana crocodylomorphs from the continental Jurassic of India	Apr 01, 2022	Mar 31, 2025	Debarati Mukherjee
2	Gastropods diversity and evolutionary trends in three adjacent Cenozoic basins of western India with special emphasis on interbasinal correlations.	Apr 01, 2022	Mar 31, 2025	Shiladri Shekhar Das
3	Fracture network characterization in Chitradurga Schist Belt (Dharwar craton, India): Implication in understanding the upper crustal fluid flow	Apr 01, 2022	Mar 31, 2025	Tridib Kumar Mondal

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Depositional settings and tectonic evolution of the Sonakhan greenstone belt and the Dongargarh supracrustal belt: a stratigraphic perspective	E202	Jan 01, 2023	3 Years	Amlan Banerjee	MoES	63,00,000.00
2	Tectonometamorphic evolution of the Chitradurga Greenstone Belt and enclave suite of rocks in the Peninsular Gneiss: Implications for the evolution of the Dharwar Craton and Nature of Archean Tectonics	E 230	Sep 27, 2023	2 Years	Shreya Karmakar	SERB - ANRF	28,16,000.00

2. Physics and Applied Mathematics Unit (PAMU), Kolkata

Research

The main areas of research in PAMU are Theoretical Physics and various areas related to Applied Mathematics. Additionally, some experimental works are also being done in the Fluvial Mechanics Laboratory of this Unit.

In a nutshell, the areas of Physics in which Scientists of PAMU have been working, are Astrophysics and Astrophysics related Data Science, Cosmology and Astroparticle Physics, High Energy Physics and Particle Physics, Condensed Matter Physics, Mesoscopic Physics and Nano-electronics, Physics of Complex Phenomena, Quantum Field Theory, Quantum Information Theory, Foundation of Quantum Mechanics and Quantum Thermodynamics, and many more.

The areas of Applied Mathematics in which Scientists of PAMU have been working, are Nonlinear Dynamical Systems, Active Matter Physical Systems, Temporal Networks, Quantum Coherence as Resource Theory, Study of Quantum Channel and Quantum Cryptography.

Experimental works are performed in the Fluvial Mechanics Laboratory of this Unit. At present, the areas in which experiments are performed, are the following: Sediment-Fluid Interactions, Flow Visualization and Turbulent Flow in Open Channel.

During the last one year, there have been more than 90 publications from PAMU and most of them have been published in Q1 rank journals. It includes publications done by Faculty members, INSPIRE Faculties, Postdoctoral Fellows, Visiting Scientists, and, there are some publications exclusively done by research students with their collaborators. The International journals in which papers have been published in recent times include Physical Review Letters, Physics Reports, Physical Review A, B, E, D, Chaos, JCAP, JHEP, MNRAS, ApJ, ApJS, PCCP, Carbon, Journal of Physical Chemistry C, ACS Applied Energy Materials, and to name a few.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Dibakar Ghosh	Nonlinear Dynamics, Complex Systems	Timoteo Carletti, Namur University, Belgium Manish Dev Shrimali, Rajasthan Central University Matjaz Perc, University of Maribor, Slovenia
Guruprasad Kar	Foundation of quantum mechanics	
	Quantum Information Theory	
Preeti Parashar	Quantum Information Theory	
Ramij Rahaman	Quantum Information Theory	
Sankar Sarkar	Open Channel Turbulence, Sediment Transport	
Santanu K. Maiti	Condensed Matter Physics	
Subir Ghosh	High Energy Physics, Cosmology, General Relativity	
Supratik Pal	Cosmology and Astroparticle Physics	
Swapan Rana	Quantum Information	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Experimental study of turbulent flow and scour around a moving bluff body	Mar 31, 2025	3 Years	Sankar Sarkar

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Turbulent flow fields near rigid and flexible vegetations in rough-bed	Apr 01, 2022	Mar 31, 2025	Sankar Sarkar

Externally Funded Projects

New Projects

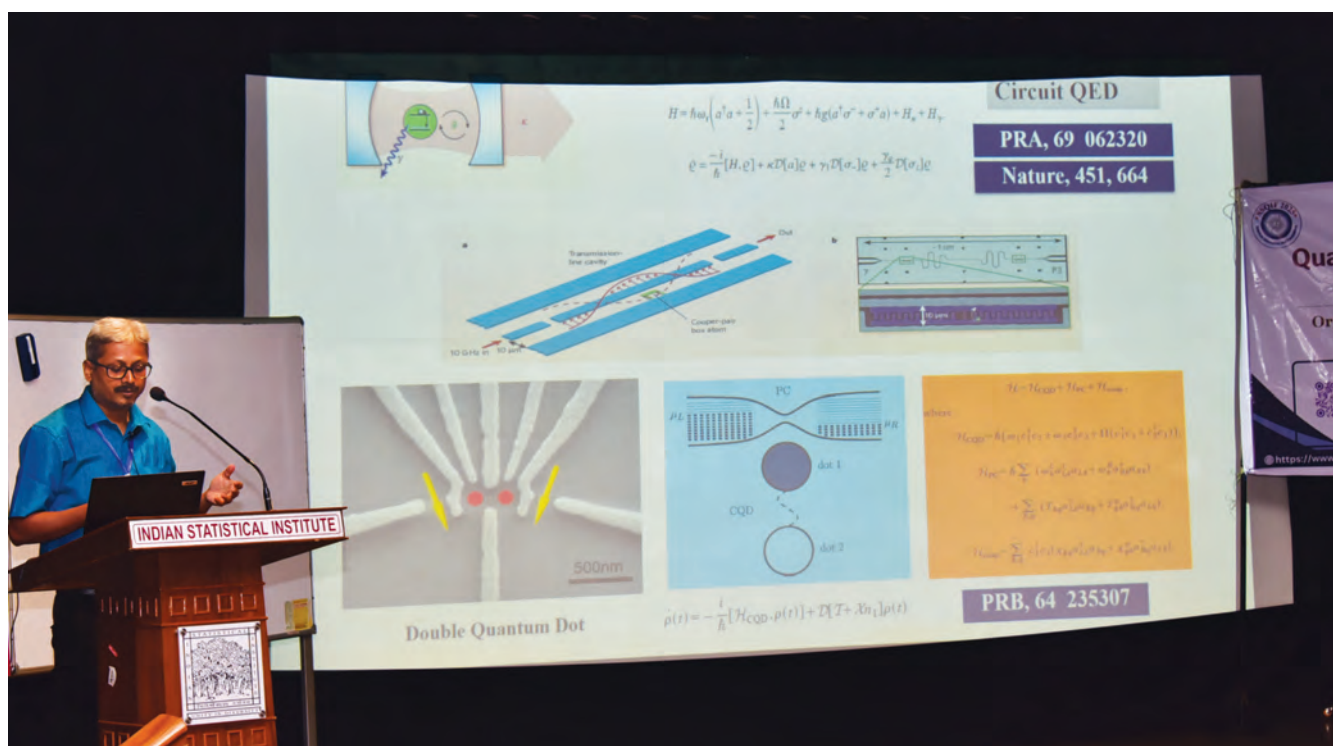
Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Flow characteristics in a vegetated meandering channel: Experimental and Machine learning approaches	E228	Dec 28, 2024	3 Years	Sankar Sarkar	DST-SERB	22,35,640.00
2	Cosmological Tensions and Signatures for New Physics	E-243	Oct 08, 2024	3 Years	Supratik Pal	ANRF	55,93,720.00
3	Beyond the Standard Model of Cosmology: A Synergy of Present and Upcoming Missions with Advanced Computational Method	hpc2402003	Jul 01, 2024	1 Years 3 Months	Supratik Pal	IUCAA HPC	--

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Electrokinetic transport of charged particles and ionized liquids: a Mathematical study	E227	Feb 17, 2024	3 Years	Sankar Sarkar	DST-SERB	6,60,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Dynamical origin of extreme events and data-based early warning detection	E181	Feb 21, 2022	Mar 20, 2025	Dibakar Ghosh	SERB	21,74,546.00



3. Theoretical and Applied Sciences Unit (TASU), North-East Centre, Tezpur

Research

The Theoretical and Applied Sciences Unit (TASU) was established in August 2018 at the North-East Centre of the Institute. The goal of the Unit is to pursue research in

- (a) basic theoretical sciences and
- (b) emerging interdisciplinary and multidisciplinary applied sciences.

The Unit is currently involved in research on:

- i. Bankline detection and monitoring technique near Kaziranga National Park, Crop health monitoring.
- ii. Air quality, Atmospheric sciences, and Climate change.

TASU organizes training programmes for students and research scholars, including an annual workshop on Mathematics specifically for students from the North-East Region.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Darpa Saurav Jyethi	Environmental Earth Sciences	Dr. A. S. Maurya, IIT Roorkee Dr. A. K. Sudheer, PRL Ahmedabad
Sanjit Maitra	Remote Sensing, Image Analysis and Interpretation	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Investigation of anthropogenic impact on the cryosphere of the Eastern Himalayan Region.	Apr 01, 2024	3 Years	Darpa Saurav Jyethi

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Crop health monitoring during the growing season around Tezpur, Assam	Apr 01, 2023	3 Years	Sanjit Maitra



3.4 Social Sciences Division

Professor-in-Charge : NILADRI SEKHAR DASH, LRU, Kolkata (1st April 2024 to 17th September 2024)

Office : Ground floor, R. A. Fisher Bhavan, ISI, Kolkata - 700 108

: TRIDIP RAY, EPU, Delhi (18th September 2024 to 31st March 2025)

Office : 7, S.J.S. Sansanwal Marg, Indian Statistical Institute, New Delhi - 110 016

1.

Documentation Research and Training Centre (DRTC), Bangalore

- Head of Unit: Biswanath Dutta
- Number of Faculties: 2 (Male: 2)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 4 (Male: 1, Female: 3)
- Office: 8th Mile, Mysore Road RVCE Post, Indian Statistical Institute, Bangalore - 560 059

2.

Economic Analysis Unit (EAU), Bangalore

- Head of Unit: Madhura Swaminathan
- Number of Faculties: 1 (Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 2 (Male: 2)
- Office: 8th Mile, Mysore Road RVCE Post, Indian Statistical Institute, Bangalore - 560 059

3.

Economics and Planning Unit (EPU), Delhi

- Head of Unit: Farzana Afridi
- Number of Faculties: 10 (Male: 9, Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 26 (Male: 16, Female: 10)
- Office: 7, S.J.S. Sansanwal Marg, Indian Statistical Institute, New Delhi - 110 016

4.

Economic Research Unit (ERU), Kolkata

- Head of Unit: Anuj Bhowmik
- Number of Faculties: 8 (Male: 7, Female: 1)
- Number of Scientific Worker: 1 (Female: 1)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Number of Research Scholar: 17 (Male: 13, Female: 4)
- Office: 6th floor, S.N. Bose Bhavan, 203 B.T. Road, Indian Statistical Institute, Kolkata - 700 108, West Bengal

5.

Linguistic Research Unit (LRU), Kolkata

- Head of Unit: Niladri Sekhar Dash
- Number of Faculties: 2 (Male: 2)
- Number of Non-Scientific Worker: 2 (Male: 1, Female: 1)
- Number of Research Scholar: 2 (Female: 2)
- Office: Ground floor, R.A. Fisher Bhavan, ISI, Kolkata - 700 108

6.

Population Studies Unit (PSU), Kolkata

- Head of Unit: Niladri Sekhar Dash and Tridip Ray
- Number of Faculties: 1 (Female: 1)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Office: 5th Floor, R.A.Fisher Bhavan, 203, B.T. Road, Indian Statistical Institute, Kolkata - 700 108

7.

Psychology Research Unit (PRU), Kolkata

- Head of Unit: Niladri Sekhar Dash and Tridip Ray
- Number of Faculties: 1 (Male: 1)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Office: 7th floor, Platinum Jubilee Building, Indian Statistical Institute, Kolkata - 700 108

8.

Socio-Economic Research Unit (SERU), North-East Centre, Tezpur

- Head of Unit: Souvik Roy
- Number of Faculties: 2 (Male: 2)
- Office: Punioni, Solmara, Indian Statistical Institute, Tezpur, Assam - 784 501

9.

Sociological Research Unit (SRU), Kolkata and Giridih

- Head of Unit: Niladri Sekhar Dash and Tridip Ray
- Number of Faculties: 1 (Male: 1)
- Number of Scientific Worker: 2 (Male: 2)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 2 (Male: 2)
- Giridih Office: New Barganda, Indian Statistical Institute, Giridih, Jharkhand - 815 301
- Kolkata Office: 5th floor, R.A. Fisher Bhavan, Indian Statistical Institute, Kolkata - 700 108

1. Documentation Research and Training Centre (DRTC), Bangalore

Research

The Documentation Research and Training Centre (DRTC), established in 1962 by Prof. S. R. Ranganathan is an internationally recognized centre for advanced training and research in Library and Information Science. DRTC is a unit under the Social Science Division of the Indian Statistical Institute. DRTC unit is located at the Bengaluru centre of the institute. Since its foundation, DRTC has played a major role in almost all pedagogical and research advances in the Indian LIS milieu. Additionally, The DRTC researchers have worked with UNESCO, IFLA, Library of Congress, European Union, European Commission and other apex bodies. DRTC has taken the lead in adopting, integrating, and popularising the most recent technological developments that are altering library and information services in India.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Biswanath Dutta	Knowledge Graph, Ontology design and development, Semantic techniques and applications, AI and applications	Not Applicable
	Metadata, Semantic Artifact management, Data FAIRness	Dr. Clement Jonquet, Senior Researcher –INRAE (MISTEA) & Associate Researcher –Univ. of Montpellier (LIRMM), FRANCE
	Spetio-Temporal Knowledge Graph, HITL Approach	Prof. Fausto Giunchiglia, Department of Information Engineering and Computer Science, University of Trento, Italy
M Krishnamurthy	Information Seeking Behaviour, Digital Library services, Information Management. Information Sources	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Planning for the Research Data Management Repositories with Special reference to Social Science	Apr 01, 2024	3 Years	M Krishnamurthy

Externally Funded Projects

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Facility for transforming library data to linked library data	02970110105078	Oct 03, 2023	Mar 31, 2025	Biswanath Dutta	ICSSR	8,00,000.00

2. Economic Analysis Unit (EAU), Bangalore

Research

Faculty and Research Fellows of the Unit work on issues of development economics with a special focus on food security, agriculture and rural development. During the year, research was focused on estimating women's contribution to agriculture, understanding rural change in Uttar Pradesh including in land, occupations and incomes based on panel data. In addition, research is ongoing on the changing nature of rural credit markets and marketing channels.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Madhura Swaminathan	Development Economics

3. Economics and Planning Unit (EPU), Delhi

Research

EPU unit and its faculty have been very active and productive over the past year, through several grant awards, journal publications and new research projects, engaging and active seminar series and several scientific visits.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Abhiroop Mukhopadhyay	Economics	
Athisii	GIS and Spatial data	
Chetan Ghate	Macroeconomics, Monetary Economics	
Debasis Mishra	Economic Theory, Mechanism Design, Auction Design	Sushil Bikhchandani, UCLA Alessandro Pavan, Northwestern University Sanket Patil, IIM Bangalore
E Somanathan	Economics	
Farzana Afridi	Economics	
Kanishka Kacker	Economics	
Monisankar Bishnu	Public Finance, Macroeconomics	
Mudit Kapoor	Economics	
Prabal Ray Chaudhuri	Agricultural economics	Debdulal Mallick, Deakin University
	Bargaining Theory	Kunal Sengupta, University of Sydney (Retired)
	Growth and development	Abhinandan Sinha, Ahmedabad University
	Land Reforms	Sarmistha Pal, University of Sussex
	Marriage Markets	Shyamal Chowdhury, ANU
	Micro-finance	Shyamal Chowdhury, Australian National University
	Organisation Theory	Parimal Bag, National University of Singapore
	Platform Markets	Gaurav Jhakhu, IIM Bangalore
Tridip Ray	Political Economy	Jaideep Roy, University of Bath
	Contract Hiring and Computer Investment: Evidence from Rainfall Shocks	Arka Roy Chaudhuri, Shiv Nadar University
	Evolving Occupations or Occupation-Status? Employment Polarization in the Context of a Developing Country	Arka Roy Chaudhuri, Shiv Nadar University
	Land Market Frictions and Manufacturing Firm Growth: Evidence from India	Mausumi Das, Delhi School of Economics
	Mixed Markets, Privatization, and Consumer Welfare	Arghya Ghosh, University of New South Wales, Sydney, Australia
	Public versus Private Provision in Congested Markets	Arghya Ghosh, University of New South Wales, Sydney, Australia
	Spillover Effects of Land Market Frictions: Growth of Unskilled Services at the Cost of Manufacturing	Mausumi Das, Delhi School of Economics
Temperature and Test Scores in India	Arka Roy Chaudhuri, Shiv Nadar University	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Thickness of Information, inequality and growth traps	Apr 01, 2024	2 Years	Prabal Ray Chaudhuri

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Intimate partner violence and prevalence of anaemia among women and children, and their pre-school participation in India	Apr 01, 2022	2 Years 9 Months	Prabal Ray Chaudhuri
2	Building up Evidence for Conducting a Nation wide Media Campaign	Mar 31, 2025	1 Year	Kanishka Kacker
3	Building a structural model for analysing bids for solar power in India	Mar 31, 2025	1 Year	Kanishka Kacker

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Optimal Allocation of Healthcare workers: A study in Meghalaya	Apr 01, 2024	Mar 31, 2025	Abhiroop Mukhopadhyay

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	How does traffic congestion affect air pollution? A comparative analysis across countries	1483	Mar 31, 2025	1 Years	Kanishka Kacker	Environment for Development Initiative	15,00,000.00
2	Mitigating the Effects of Air Pollution on School Children	24351	Mar 31, 2025	1 Years	Kanishka Kacker	International Growth Center	58,00,000.00
3	The Heat is on: Temperature and Test Scores in India	870-LC	Apr 01, 2024	2 Years	Tridip Ray	PPRU	3,60,800.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	EFD work Plan 2024-Subcontract to Umbrella agreemant	E-701	Jan 01, 2024	1 Year	E Somanathan	EFD, University of Gothenburg, Sweden	1,30,03,066.00
2	Reassessment of National Parameters for Appraisal of Public Investment Programmes/Projects in India	I-418	Mar 01, 2024	1 Year	E Somanathan	NITI Aayog	33,54,504.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
3	Electric cooking, household air pollution, womens time use, and health	F-711	Jan 01, 2023	3 Years	E Somanathan	JPAL MIT	64,12,142.00
4	DPWEE	E-706	Sep 01, 2022	3 Years	Farzana Afridi	BMGF	3,00,00,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Use of data for improved uptake of services and provisions	F710	Nov 01, 2023	Mar 31, 2025	Mudit Kapoor	Bill & Melinda Gates Foundation	4,14,48,101.00
2	Caste Peer Effects on Student Performance: Evidence from Indian Schools	870-LT	Apr 01, 2023	Mar 31, 2025	Tridip Ray	PPRU	5,10,400.00

Projects done for Govt. of India/State Govt.

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Studies on evaluation of Finances of State of West Bengal	I-419	Jul 16, 2024	Mar 31, 2025	Monisankar Bishnu	16th Finance Commission, Government of India	6,50,000.00

4. Economic Research Unit (ERU), Kolkata

Research

Ethnic Conflict; Econometrics, Time Series Analysis; Trade, Tariffs and Unemployment; Belief updating and Posterior Formation, Preferences for Decision Rights and Power, Impact of Temperature Variation on Preferences; Analysis of third party intervention in conflict, Analysis of Conflict during a Pandemic, Clientelism or Public Goods: Dilemma in a 'Divided' Democracy; General Equilibrium and Development, General Equilibrium Theory, Reputational Cheap Talk, Games with Discontinuous Payoff; Development, Labour, and Health Economics, Behavioural and Experimental Economics; Impact of COVID-19 Vaccinations in India – A State-wise Analysis, Impact of COVID-19 Vaccinations in India – A State-wise Analysis, Time Series of Categorical Data, Modelling and Decoding the Causes of Recent Inflation in India: Implications for Monetary Policy, Examination of Relationship Between Crude Oil Prices and Different Macroeconomic Variables, Analysis of the Household Investment in Education: Evidence from Indian States

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Anuj Bhowmik	Microeconomic and Game Theory	
Arpita Kundu	Economic Inequality	Prof. Diganta Mukherjee, Prof. Zakir Husain (Presidency University)
	Evolving Nature of Women Empowerment in India	Prof. Manisha Chakrabarty (IIM Calcutta)
	Poverty and Mortality	Prof. Diganta Mukherjee, Prof. Zakir Husain (Presidency University)

Name of the DCSW Member	Research Topic(s)
Brati Sankar Chakraborty	International Trade
Debayan Pakrashi	Development Economics, Health Economics, Experimental and Behavioural Economics
Indraneel Dasgupta	Political Economy
Priyadarshi Banerjee	Economics
Raju Maiti	Time Series Analysis
Samarjit Das	Econometrics
Soumyanetra Munshi	Applied Game Theory

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Infinite Dimensional Analysis in Modern Economic Scenarios	E-237	May 31, 2024	3 Years	Anuj Bhowmik	ANRF	2,90,32,028.00
2	Sustainability of hygiene behaviours in Indian slums	F-022	Oct 01, 2024	2 Years	Debayan Pakrashi	Reckitt Global Hygiene Institute	87,80,538.00



5. Linguistic Research Unit (LRU), Kolkata

Research

Linguistic Research Unit have been doing research and development works in the areas of Corpus Linguistics, Technolinguistics, Computational Lexicography, Indigenous Language Documentation and Digitization, Machine and Manual Translation, Digital Humanities, and Digital Ethnography.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Mendem Bapuji	Docymentory and Descriptive Linguistics of Indigenous Languages
Niladri Sekhar Dash	Linguistics

Projects

Internally Funded Projects

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Digital Dictionary for the Kharia Sabar Speech Community	Apr 01, 2022	Mar 31, 2025	Niladri Sekhar Dash

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Documentation and Digitization for Sustainable Development of Indi/Ave A Critically Endangered Tribal Language of South Odisha	E-251	Mar 31, 2025	3 Years	Mendem Bapuji	Department of Science and Technology, Govt of India	45,29,000.00

Projects done for Govt. of India/State Govt.

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	'Vidyaapati: A System for Bidirectional Machine Translation Between Hindi-Bengali, Konkani, Marathi and Konkani' under the Project titled 'National Language Translation Mission (NLTM): BHASHINI'	E-188	Apr 01, 2022	3 Years	Niladri Sekhar Dash	MEITY, Govt. of India	63,92,000.00



6. Population Studies Unit (PSU), Kolkata

Research

- i. External Research Collaborator at the Girl Innovation Research, and Learning Centre (GIRL Centre) at the Population Council.
- ii. National Survey on Extent and Pattern of Substance Use in India in collaboration with National Drug Dependence

Treatment Centre (NDDTC), AIIMS, New Delhi (Planning phase) and the project is funded by Ministry of Social Justice and Empowerment, Government of India.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Kajori Banerjee	Public health, Mathematical demography, Fertility transition, Maternal and Child health, Positive Ageing, Life-course effects

Projects

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	The Impact of Positive Aging Intervention on Flourishing of Elderly in India: A Pan-India Cluster Randomized Controlled Trial	E 248	Dec 19, 2024	2 Years	Kajori Banerjee	Indian Council of Medical Research (ICMR)	20,93,999.00

7. Psychology Research Unit (PRU), Kolkata

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Garga Chatterjee	Psychology

8. Socio-Economic Research Unit (SERU), North-East Centre, Tezpur

Research

Currently the research areas of the socio-economic research unit are microeconomic theory and applied macroeconomics. Faculty members of the unit participate in the teaching activities at the centre by offering various core courses to students enrolled in PGDSMA. Also the faculty members of the unit have been actively involved in organizing various colloquia and workshops.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Kushal Banik Chowdhury	Applied economics
Mridu Prabal Goswami	Social choice theory

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	A Geometric Understanding of Auction Mechanisms	349902010052378	May 29, 2023	3 Years	Mridu Prabal Goswami	SERB, MATRICS	6,60,000.00

9. Sociological Research Unit (SRU), Kolkata and Giridih

Research

The Sociological Research Unit (SRU) is one of the most vibrant research units of Indian Statistical Institute. It organizes annual workshops, seminars and symposia on various themes of agricultural and rural development issues and undertakes research projects funded by several Ministries under the central and state governments. The Unit has pan-Indian outreach for its scientific commitments and knowledge dissemination through seminars and workshops on contemporary and relevant issues for inclusive growth and sustainability.

The SRU's dynamic faculty has published articles/research papers in top journals and conducted academic programs widely in collaboration with agencies at the national and international levels.

The Unit faculty is well-known nationally and internally for quality publications, meaningful seminars and workshops on agricultural and rural development issues, rural entrepreneurship, microfinancing, tribal studies, women studies, social media and society, sociology of education and technology, culinary culture, public health, human ecology, research methods including social network analysis, mixed methods, PRA, etc.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Hari Charan Behera	Agrarian studies, natural resource governance, rural and tribal studies, rural entrepreneurship and public health	Professor K. Anil Kumar, IGNCA, New Delhi

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Determinants of Success of FPOs /FPCs and their Implications for Sustainable Development Goals in Jharkhand	Jun 01, 2024	3 Years	Hari Charan Behera

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	The sacred Hills and Groves: A Study of Culture and Biodiversity Conservation in Jharkhand, India	E-953	Apr 01, 2024	3 Years	Hari Charan Behera	IGNCA, New Delhi	1874500.00

3.5 Statistical Quality Control and Operations Research Division

Head : **BISWABRATA PRADHAN, SQCORU**, Kolkata (1st April 2024 to 17th September 2024)

Office : 6th floor, A.N. Kolmogorov Bhavan, 203 BT Road, Indian Statistical Institute, Kolkata-700 108

: **PRASUN DAS, SQCORU**, Kolkata (18th September 2024 to 31st March 2025)

Office : 6th floor, A.N. Kolmogorov Bhavan, 203 BT Road, Indian Statistical Institute, Kolkata-700 108

1.

Statistical Quality Control and Operations Research Unit (SQC&ORU), Bangalore

- Head of Unit: Sanjit Ray
- Number of Faculties: 5 (Male: 4, Female: 1)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 2 (Male: 2)
- Office: 8th Mile, Mysore Road, Indian Statistical Institute, Bengaluru - 560 059

2.

Statistical Quality Control and Operations Research Unit (SQCORU), Chennai

- Head of Unit: Surajit Pal
- Number of Faculties: 2 (Male: 2)
- Office: 37 Nelson Manickam Road, Aminjikarai, Indian Statistical Institute, Chennai - 600 029

3.

Statistical Quality Control and Operations Research (SQCORU), Delhi

- Head of Unit: Antar Bandyopadhyay
- Office: 7, S.J.S. Sansanwal Marg, Indian Statistical Institute, New Delhi - 110016

4.

Statistical Quality Control and Operations Research (SQCORU), Hyderabad

- Head of Unit: S M Subhabi
- Number of Faculties: 4 (Male: 4)
- Number of Non-Scientific Worker: 4 (Male: 3, Female: 1)
- Number of Research Scholar: 1 (Male: 1)
- Office: Street No.8, Habsiguda, Indian Statistical Institute, Hyderabad - 500 007

5.

Statistical Quality Control and Operations Research (SQCORU), Kolkata

- Head of Unit: Susanta Kumar Gauri
- Number of Faculties: 10 (Male: 9, Female: 1)
- Number of Non-Scientific Worker: 2 (Male: 1, Female: 1)
- Number of Research Scholar: 7 (Male: 7)
- Office: 6th floor, A.N. Kolmogorov Bhavan, 203 B.T. Road, Indian Statistical Institute, Kolkata - 700 108

6.

Statistical Quality Control and Operations Research (SQCORU), Mumbai

- Head of Unit: Sagar Sikder
- Number of Faculties: 2 (Male: 2)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Office: Room-320, Pratista Bhaban, Old CGO Building, 101 M K Road, Indian Statistical Institute, Mumbai - 400 020

7.

Statistical Quality Control and Operations Research (SQCORU), Pune

- Head of Unit: Subrata Rath
- Number of Faculties: 1 (Male: 1)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Office: Flat no. B - 9, Anandwan Co-operative Society, near Gandhi Bhavan, Kothrud, Pune - 411 038

1. Statistical Quality Control and Operations Research Unit (SQC&ORU), Bangalore

Research

In the financial year 2024-25, the SQC & OR Unit of ISI Bangalore was engaged in Teaching, Training, Research and Consultancy with the Industries. The Faculties of the Unit had published 13 papers in Journals & Conferences; conducted 10 General Training Programs; Worked in 12 Consultancy Projects and 1 Internally Funded Project and 2 Seminars in the year. A total of 79.6 Lac was earned (without GST) towards General Training and Consultancy.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Boby John	Quality Engineering	
Jagadish	Industrial Engineering, Optimization Techniques, Supply Chain Management, Six-Sigma, Machining, Design of Experiments, TQM, Operations Management, Lean Manufacturing	
E V Gijo	Statistical Quality Control, Six Sigma, Reliability	
Moutushi Chatterjee	Machine Learning in SQC	E. V. Gijo
	Statistical Quality Control	
Sanjit Ray	Six Sigma	

Projects

Internally Funded Projects

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Development, and Experimental Investigation of New Class of Green Composites from Waste Natural Resources (bamboo & coconut skin) for Industrial Applications	Apr 01, 2024	Mar 31, 2025	Jagadish

Externally Funded Projects

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Lean Six Sigma Green Belt and Data Analytics using R Training & Project Guidance	I 378	Oct 26, 2024	Sep 27, 2024	Boby John	Bharat Electronics Ltd., Bangalore	6,19,000.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
2	Six Sigma Green Belt, Six Sigma Black Belt, Root Cause Analysis, Reliability Engineering, Statistical Quality & Process Control Programs	I 356	Sep 01, 2023	Mar 31, 2025	Boby John	Defence Institute of Quality Assurance (DIQA), Bangalore	7,50,000.00
3	Training Program on Design of Experiments and Applied Statistics	I 375	Jul 15, 2024	Mar 31, 2025	Boby John	Recipharm Pharma Services Pvt Ltd., Bangalore	2,00,000.00
4	Program on Applied Statistics	I 376	Sep 01, 2024	Mar 31, 2025	Boby John	String Bio Pvt Ltd., Bangalore	40,000.00
5	Design of Experiments and Reliability Engineering Program	I 383	Feb 10, 2025	Mar 31, 2025	Boby John	Jaguar Land Rover Technology and Business Services India Pvt Ltd., Bangalore	1,20,000.00
6	Online Course on Machine Learning using Python and R	I 371	Jun 08, 2024	Jul 27, 2024	Boby John	External Participants	2,00,000.00
7	Online Course on Business Forecasting using Python	I 379	Nov 23, 2024	Dec 15, 2024	Boby John	External Participants	72,000.00
8	Problem Solving using Design of Experiments Program	S 162	Aug 10, 2024	Sep 01, 2024	Boby John	External Participants	1,05,000.00
9	Certified Reliability Engineering	S 164	Feb 06, 2025	Feb 09, 2025	Boby John	External Participants	56,000.00
10	Six Sigma Black Belt Certification Program	I 374	Jul 01, 2024	Jul 26, 2024	Jagadish	BEML Ltd, Bangalore	4,80,000.00
11	Statistical Process Control Training	S 163	Nov 11, 2024	Nov 12, 2024	Jagadish	Kirloskar Toyota Textile Machinery Bangalore	80,000.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
12	Enabling Tribals of Chhattisgarh towards Sustainable Livelihood Improvement through Sustainable Hybrid Bricks (SHB) for Low-cost Housing Structure	E 527	Sep 09, 2023	Dec 14, 2024	Jagadish	Indian Council of Social Science Research (ICSSR) Jnu Institutional Area, Aruna Asaf Ali Marg, New Delhi – 110067 (INDIA)	5,00,000.00
13	Lean Six Sigma Black Belt(BB-41)	I373	Jul 22, 2024	Aug 18, 2024	E V Gijo	External Participants	5,90,000.00
14	Lean Six Sigma Certification program	I381	Dec 15, 2024	Feb 28, 2025	E V Gijo	HAL Management Academy	2,50,000.00
15	Module-wise training program on Statistical Tool with Python & Minitab	I377	Sep 16, 2024	Dec 31, 2024	E V Gijo	Toyota Kirloskar Auto Parts Pvt. Ltd	3,00,000.00
16	Lean Six Sigma Green Belt (GB 65)	I380	Jan 27, 2025	Feb 28, 2025	Sanjit Ray	External Participants	3,20,000.00
17	Six Sigma Master Black Belt with Analytics & Industry 4.0 (MBB 37)	I382	Feb 17, 2025	Mar 08, 2025	Sanjit Ray	External Participants	9,00,000.00
18	Six Sigma Training and Implementation	I370	Apr 01, 2024	Mar 31, 2025	Sanjit Ray	Banas Dairy, Gujarat	26,00,000.00

2. Statistical Quality Control and Operations Research Unit (SQCORU), Chennai

Research

The Unit is engaged in externally-funded consultancy projects in different Industries. The Unit also offers training programs on Six Sigma Black belt and Six Sigma Master Black Belt.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
D Sampangi Raman	SDLCP, Pattern recognition in Time Series,	
G. Ravindran	Game theory	
Surajit Pal	Control Charts	Susanta Kumar Gauri

Projects

Externally Funded Projects

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Statistical methods using Minitab at Apollo Tyres, Chennai	I504	May 06, 2024	Dec 07, 2024	D Sampangi Raman	Apollo Tyres	6,00,000.00
2	Six Sigma Master Black Belt	S808	Sep 15, 2024	Mar 31, 2025	D Sampangi Raman	External participants	3,60,000.00
3	SPC at Saint Gobain, Chennai	I505	Nov 15, 2024	Nov 18, 2024	D Sampangi Raman	Saint Gobain, Chennai	1,00,000.00

3. Statistical Quality Control and Operations Research (SQCORU), Delhi

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Kaushik Jana	Optimization, Statistics

4. Statistical Quality Control and Operations Research (SQCORU), Hyderabad

Research

One scholar is pursuing Ph.D. under the supervision of a faculty from SQC & OR Unit, Hyderabad.

Faculty of Hyderabad unit have given guidance for Post-graduation students in their projects / dissertation for 10 students.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
A L N Murthy	Machine Learning and Deep Learning Methods	
	SQC & OR	
	Statistical Modeling	
Sujeet Kumar Singh	Optimization	Alka Arya (IIM Kashipur), Jayanth Jayram (University of North Carolina), Pirmin Fontaine (Catholic University of Eichstadt)
Murali Rao Garimella	Six Sigma, Business Analytics, ML	
S M Subhani	Fuzzy methods	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	On Multi-objective optimization and its applications	Apr 01, 2024	2 Years	Sujeet Kumar Singh,

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Six Sigma Black Belt with Business Analytics Certification(Batch-3)	I703	Mar 01, 2025	2 Months	Murali Rao Garimella	Individual Participants/ Sponsoring Organizations	7,43,400.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Six Sigma Black Belt with Business Analytics Certification(Batch-1)	I699	Mar 02, 2024	Apr 28, 2024	Murali Rao Garimella	Participants	7,78,800.00
2	Six Sigma Black Belt with Business Analytics Certification(Batch-2)	I700	Aug 03, 2024	Sep 29, 2024	Murali Rao Garimella	Participants	7,55,200.00
3	Six Sigma Green Belt (online)	I698	May 04, 2024	May 28, 2024	S M Subhani	Participants	2,30,919.00
4	Six Sigma Green Belt	I702	Dec 03, 2024	Dec 08, 2024	S M Subhani	Clean Harbors India LLP	2,83,219.00
5	Six Sigma Green Belt Trg	I701	Nov 15, 2024	Dec 01, 2024	S M Subhani	Payments by Participants	1,68,000.00

5. Statistical Quality Control and Operations Research (SQCORU), Kolkata

Research

The faculty members of SQC & OR Unit, Kolkata are engaged in teaching in M.Tech (QROR), B. Stat, PGDAS, and ISEC programs, research in various topics of quality, reliability and operations research and providing consultancy in different industries in India and overseas. During April 2024 - March 2025, there are publications of 28 journal articles/book chapters. During the period under review, four externally funded projects were completed; two workshops were organized; seven research scholars were working under the guidance of the faculties or undergoing course works; three Research Associates carried out research works with the faculties and three visitors were hosted.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Biswabrata Pradhan	Bayesian reliability acceptance sampling plans under adaptive simple step stress partial accelerated life test	Rathin Das
	Estimation of lifetime distribution considering truncation characteristic of degradation data based on geometric Brownian motion,	Barin Karmakar
	Optimal Designs and RASP for Accelerated Copula-based Dependent Competing Risks Mode	Rathin Das Dr. Soumya Roy, IIT Kozhikode.
	Residual lifetime prediction for heterogeneous degradation data by Bayesian semi-parametric method.	Barin Karmakar
Arup Kumar Das	Mathematics (Optimization Theory)	
Arup Ranjan Mukhopadhyay	Implementation issues in supply chain for lean technology and circular economy in operations management encompassing ZED	Dr. Sadhan Kumar Ghosh, Retired Professor, JU
	Statistical Quality Control	

Kaustav Kundu	Operations Research	
Mohammed Zafar Anis	Quality, Reliability	
Nandini Das	SQC	
Prasun Das	OR, QM, Supply Chain, Analytics	
Ranjan Sett	Quality Management, Good Governance	
Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Susanta Kumar Gauri	Process control, Process optimization	
Tanmay Sen	Reliability, Survival Analysis, Optimization, Machine Learning, Deep Learning, NLP	

Projects

Internally Funded Projects

New Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Assessment and Decision Making for Pharmaceutical Supply Chain using Advanced Analytics and Data-Driven Insights	Apr 01, 2024	2 Years	Prasun Das

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Developing advanced algorithms for solving complex problems in supply chain	Jul 05, 2024	Mar 31, 2025	Kaustav Kundu
2	Faculty Development Programme on Data Analytics using Python	Mar 17, 2025	Mar 18, 2025	Prasun Das

Externally Funded Projects

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Training Program on Statistical Tools	I-107	May 21, 2024	May 24, 2024	Mohammed Zafar Anis	Euro Smile Facility Management Services Pvt. Ltd	4,96,780.00
2	Training on SPC, SQC, MSA, ST, DA & AS	I-109	Jul 08, 2024	Jul 25, 2024	Prasun Das	Naval Armament Inspectorate (NAI), MoD, GoI	7,50,000.00
3	Training on SQC, SPC, MSA, ST, AS & DA	I-116	Nov 13, 2024	Nov 29, 2024	Prasun Das	Naval Armament Inspectorate (NAI), MoD, GoI	7,50,000.00

6. Statistical Quality Control and Operations Research (SQCORU), Mumbai

Research

The SQC & OR Unit, Mumbai, is primarily engaged in conducting short-term training and certification programs, as well as addressing real-time industrial challenges through consultancy projects. The unit offers specialized programs in areas such as Six Sigma, Statistical Process Control, Business Analytics, Forecasting, Design of Experiments, and related domains. In addition, the faculty members actively contribute to research and participate in regular academic programs offered by other units and centers. They are also involved in various projects undertaken by State and Central Government agencies.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Ashok Sarkar	SPC and Quality Management
Sagar Sikder	SPC , Six Sigma

7. Statistical Quality Control and Operations Research (SQCORU), Pune

Research

This Unit is engaged in Teaching, Training, Research and Consulting on application of statistics, operations research & allied science to solve problems of the industry across the spread and depth of the industries.

We bring sanctity of statistics in the mother initiatives such as TQM, TPM, Six Sigma, Quality Management, Management Systems, Business Management, Data Analytic, Data Science. Lack of right perspective of statistics in such initiatives is an obvious pain area to bring the initiatives to reach to the predictable success.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Subrata Rath	Reliability



3.6 Statistical Sciences Division

Professor-in-Charge : DEBASIS SENGUPTA, ASU, Kolkata (18th September 2024 to 31st March 2025)

Office : 4th floor, C.D. Deshmukh Bhavan, 202 BT Road, Indian Statistical Institute, Kolkata-700 108

1.

Applied Statistics Unit (ASU), Bangalore

- Head of Unit: Rituparna Sen
- Number of Faculties: 1 (Female: 1)
- Number of Scientific Worker: 1 (Female: 1)
- Number of Research Scholar: 1 (Female: 1)
- Office: 8th Mile, Mysore Road, RVCE Post, Indian Statistical Institute, Bangalore - 560 059

2.

Applied Statistics Unit (ASU), Chennai

- Head of Unit: G. Ravindran
- Number of Faculties: 1 (Male: 1)
- Office: 110, Nelson Manickam Road Aminjikarai, Indian Statistical Institute, Chennai - 600 029

3.

Applied Statistics Unit (ASU), Kolkata

- Head of Unit: Subhamoy Maitra.
- Number of Faculties: 14 (Male: 14)
- Number of Scientific Worker: 2 (Male: 2)
- Number of Non-Scientific Worker: 2 (Male: 2)
- Number of Research Scholar: 33 (Male: 23, Female: 10)
- Office: 8th Floor, S.N. Bose Bhavan, 203, B.T. Road, Indian Statistical Institute, Kolkata - 700 108

4.

Interdisciplinary Statistical Research Unit (ISRU),
Kolkata

- Head of Unit: Amita Pal and Ayanendranath Basu
- Number of Faculties: 12 (Male: 11, Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 3 (Male: 2, Female: 1)
- Number of Research Scholar: 12 (Male: 11, Female: 1)
- Office: 4th Floor, R A Fisher Bhavan, 203 B.T. Road, Indian Statistical Institute, Kolkata - 700 108

5.

Sampling and Official Statistics Unit (SOSU), Kolkata

- Head of Unit: Nachiketa Chattopadhyay
- Number of Faculties: 4 (Male: 3, Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Non-Scientific Worker: 3 (Male: 3)
- Office: 3rd floor, C.D. Deshmukh Bhavan, 202 B.T. Road, Indian Statistical Institute, Kolkata - 700 108

6.

Statistical Sciences Unit (StatSU), Delhi

- Head of Unit: Abhay Gopal Bhatt
- Number of Faculties: 5 (Male: 3, Female: 2)
- Number of Research Scholar: 2 (Male: 2)
- Office: 7, S.J.S. Sansanwal Marg, Indian Statistical Institute, New Delhi - 110 016

1. Applied Statistics Unit (ASU), Bangalore

Research

The unit carries out research in applied statistics, particularly with applications in finance.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Rituparna Sen	Statistics

Projects

Externally Funded Projects

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Risk Management	I-354	Jun 01, 2023	Mar 31, 2025	Rituparna Sen	Canara Bank	7,00,000.00

2 Applied Statistics Unit (ASU), Chennai

Research

The unit is actively engaged in teaching PGDSMA students. The faculty members conduct research in mathematical statistics, reliability, and survival analysis. They also contribute to academic bodies such as ANRF and ISPS.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Sudheesh Kumar Kattumannil	Survival Analysis

3. Applied Statistics Unit (ASU), Kolkata

Research

Scientists of the Applied Statistics Unit (ASU) conduct research in various areas of statistics, mathematics and computer science, with special emphasis on applications. They regularly conduct research and development projects, sometimes in collaboration with scientists of other units of ISI and/or other organisations. Currently, there are collaborative on-going projects with the Theoretical Statistics and Mathematics Division and the Social Sciences Division.

ASU holds a Tuesday seminar series with speakers both from within and outside the Unit.

The faculty of ASU is also involved in various teaching and training activities. Apart from participating in the teaching of all the regular courses of the Institute held at Calcutta, they also conduct a Statistical Traineeship programme for fresh master's degree-holders in Statistics. Intensive Course on Programming and Application of Electronic ASU is fully responsible for conducting the short-term course Computers. This unit regularly conducts teaching/training programmes like winter/summer schools, North-East Training, UGC-sponsored refresher courses and workshops.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Arnab Chakraborty	Teaching	
Atanu Biswas	Statistics	
Debapriya Sengupta	Statistics and Information	
Debashis Paul	Theoretical statistics	
Debasis Sengupta	Statistics	
Kishan Chand Gupta	Block Ciphers, Boolean Functions and MDS matrices	

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Manas Kumar Pan	Digital Forensics, Encryption	
Mridul Nandi	Symmetric Key Design, Provable Security, Cryptanalysis and Implementation, Hash Function, Authenticated Encryption and its Applications, Quantum Symmetric Key	
Palash Sarkar	Cryptology, Combinatorics, Theoretical Computer Science, Discrete Logarithm Problem, Computation using Kummer Line, Lattice based cryptography, Symmetric Key cryptography	
Shyamal Krishna De	Statistics, Functional Data Analysis, Clustering, Change Point Detection	Dr. Anirvan Chakraborty, IISER Kolkata
	Statistics, Genetics, Multiple Hypothesis Testing, Nonparametric Test of Independence	Prof. Indranil Mukhopadhyay, University of Nebraska-Lincoln, USA
	Statistics, Large-Scale Multiple Hypothesis Testing, Sequential Analysis	Prof. Subir Kumar Bhandari, ISI Kolkata
	Statistics, Multiple Hypothesis Testing, Response-Adaptive Designs, Causal Inference	Prof. Atanu Biswas, ISI Kolkata
Souvik Roy	Game Theory	
	Game Theory, Stochastic Block Model, Bayesian Inference through Random Measures as Priors	Srijan Sengupta, NC State University Sayar Karmakar, University of Florida Moumanti Podder, IISER Pune
Subhamoy Maitra	Cryptology and Security, Digital Watermarking, Sensor Networks, Quantum Information	
Sumitra Purkayastha	Multivariate Analysis, Statistical Inference	

Projects

Internally Funded Projects

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Application of Game Theory in Cryptography	Apr 01, 2022	4 Years	Souvik Roy

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Social Choice under Ambiguity	Apr 02, 2021	Mar 31, 2025	Souvik Roy

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	A Bayesian Game Theoretic Approach for Opinion Trading	I-099	Sep 05, 2023	3 Years	Souvik Roy	Probo Media Technologies Pvt Ltd	22,00,000.00

Projects done for Govt. of India/State Govt.

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Research & Development of Stream Encryption Algorithm	E-176	Mar 17, 2021	3 Years	Mridul Nandi	DST, GOI	15,21,816.00
2	Analysis of Cryptographic Algorithms & Protocols used in Wireless Communications	E-215	Jun 06, 2023	2 Years 6 Months	Subhamoy Maitra	DRDO	1,10,33,000.00

4. Interdisciplinary Statistical Research Unit (ISRU), Kolkata

Research

The primary research areas of the faculty members of the Interdisciplinary Statistical Research Unit (ISRU) are Robust Statistical Inference, Statistical Machine Learning, Classification and Clustering, Image Processing, Bayesian Modelling and Inference, Spatio-temporal Data Analysis, Multivariate Analysis, Biostatistics, Big Data Analysis, High Dimensional Statistics, Statistical Process Control, Bioinformatics, Applications of Nonparametric Regression, Design of Experiments, Probability In-equalities, Multiple Hypothesis Testing, Network Data Analysis, Applications of Statistics within Econophysics & Socio-economic Applications, Health Science and Agriculture, Rainfall Modelling, Biometric Verification of Identity, Statistical Image Analysis, Statistical Process Control, Statistical Process Control Charts for Image Monitoring, Jump Regression Analysis and its Applications, Directional Statistics, Computational Neuroscience, etc. leading to a substantial number of publications (Books, Book chapters, research papers in Journal and Conference proceedings) during 2024-2025.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Abhik Ghosh	Applications of Statistics within Econophysics & Socio-economic Applications	Banasri Basu
	Entropy, divergences, their generalization and applications in Statistical inference	Ayanendranath Basu
	Inference for High-dimensional mixed-effects models	Magne Thoresen, UiO, Oslo, Norway
	Robust Inference for High and Ultra-high dimensional Data	Leandro Pardo, UCM, Madrid, Spain Magne Thoresen, UiO, Oslo, Norway
	Robust Inference for Stochastic Processes	
	Robust Methods in Bioinformatics	Sanghamitra Bandyopadhyay
	Robust Statistical Inference for various Applications	Ayanendranath Basu Leandro Pardo, UCM, Madrid, Spain Claudio Agostinelli, UiT, Trento, Italy

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Ayanendranath Basu	Robust Statistics, Minimum Distance Methods, Multivariate Analysis, Categorical Data Analysis	Dr. Abhik Ghosh Soumya Chakraborty, Bethune College, Prof. Leandro Pardo, Complutense University, Madrid, Spain Prof. Claudio Agostinelli, University of Trento, Italy.
Sandip Barui	Reliability - Bivariate Degradation Model	Prof. Debanjan Mitra, IIM Udaipur Prof. N. Balakrishnan, McMaster University Prof. Shovan Chowdhury, IIM Kozhikode
	Survival Analysis - Cure Rate and Frailty Models	Prof. Debanjan Mitra, IIM Udaipur Prof. N. Balakrishnan, McMaster University, Prof. Suvra Pal, University of Texas at Arlington Prof. Sanjib Basu, University of Illinois Chicago (UIC)
Jayant Jha	Directional Statistics	Dr. Prajamitra Bhuya, IIM Calcutta
Kiranmoy Das	Bayesian Statistics, Biostatistics, Computational Statistics	
Minerva Mukhopadhyay	Bayesian non-parametric inference	Prof. S. Bhattacharya, ISI Kolkata Dr. M. Das, IIM Udaipur.
	Bayesian Variable selection	Dr. S. Dutta, ISI Kolkata P. Agarwal, University of Toronto Prof. A. Chakraborti, ISI Kolkata P. Bala, IIM Bangalore
	Statistical Inference with Random Projection	Dr. S. Dutta, ISI Kolkata A. Deb, IIT Kanpur.
Partha Sarathi Mukherjee	Application of statistical tools in various scientific research	Dr. Lilian Calderon-Garciduenas, University of Montana at Missoula, USA
	Image comparison and image monitoring	
	Jump regression analysis and its applications	
	Statistical image analysis	Dr. Yicheng Kang, Miami University at Ohio, USA
	Statistical process control	
Smarajit Bose	Statistical Pattern Recognition	
Soham Sarkar	Statistics	
Sourabh Bhattacharya	Bayes Prime Discovery and Analysis of Riemann Hypothesis	Durba Bhattacharya and Sucharita Roy (both St. Xavier's College)
	Bayesian Deep Neural Networks Driven by Recursive Gaussian Processes	Durba Bhattacharya, Trisha Maitra, Sucharita Roy (St. Xavier's College)
	Bayesian Nonparametrics With Normalizing Flows	Durba Bhattacharya (St. Xavier's College), Trisha Maitra (PCM College), Sucharita Roy
Subir Kumar Bhandari	Adaptive Sampling Design	Jayant Jha, Sampurna Kundu
	Multiple Hypothesis Testing	Monitirtha Dey and Swarnadeep Datta

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Suman Majumder	Spatiotemporal Statistics	Dr. Indranil Sahoo, Virginia Commonwealth University Dr. Kyu Ha Lee, Harvard School of Public Health Dr. Jacqueline R. Starr, Brigham and Womens' Hospital Dr. Sounak Chakraborty, University of Missouri Dr. Arnab Hazra, IIT Kanpur
	Statistics	

Projects

Internally Funded Projects

Ongoing Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Comparative Integrations of Robust Statistical and Machine Learning Methodologies	Jan 01, 2023	3 Years	Abhik Ghosh

5. Sampling and Official Statistics Unit (SOSU), Kolkata

Research

Emphasis on interdisciplinary collaboration in Research Projects and Training programs: Statisticians, Economists, Computer Scientists, Official Statisticians from the Govt are involved.

Research Projects and Training Programs are demand driven, intended to address real-life problems which offer statistical/methodical challenges.

With a futuristic vision in development of courses in digital mode, an online Post Graduate Diploma programme in Applied Statistics has been started.

Research and development being undertaken in Strengthening of State level statistical system of Tripura with the help of official statisticians which could be a model for other states.

Individual research works undertaken in diverse fields with international collaborators in spite of undertaking so many projects and training programs with a small manpower.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Bikram Mahapatra	Longitudinal modeling of adolescent mental health, focusing on transitions and determinants using panel data	Prof. Diganta Mukherjee & Dr. Kajori Banerjee ISI Kolkata, Prof. Asis Chattopadhyay, Calcutta University
	Development spillover effects and regional inequality through spatial econometric techniques and geostatistical models	Prof. Diganta Mukherjee, ISI Kolkata
Diganta Mukherjee	Market Microstructure	Sumanta Basu, Cornell and Sourojyoti Barick, PhD student
	Online Games	Swagatam Das, Ansuman Banerjee and Satyam Shubham, PhD student
	Poverty and Health	Zakir Husain, Presidency and Arpita Kundu
	Spatio-temporal modeling	Bikram Mahapatra, PhD Student

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Nachiketa Chattopadhyay	District Good Governance Index (DGGI)	Ranjan Sett
	Mobility & Health Economics	Debasis Sengupta
Sandip Mitra	District Level Governance Index	
	Lab in the Field Experiment with Politicians and citizens	Kunal Sen, Machester University and Wider, P. Banerjee, Manchester University, V. Iversen, Greenwich
	Political competition	Dilip Mookherjee, Boston University, Pushkar Maitra, Monash University, Sujata Visaria, Bayes School and HKUST
	State Statistical system, Govt of Tripura	
	Targeting of Agricultural Credit Programmes	Dilip Mookherjee, Boston University, Pushkar Maitra, Monash University, Sujata Visaria, Bayes School and HKUST
	Welfare vis-à-vis Public Good Programs	P.Bardhan, UC Berkeley, Dilip Mookherjee, Boston University, Anusha Nath, Federal Reserve Bank of Minneapolis

Projects

Projects done for Govt. of India/State Govt.

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Training Programme for Probationary Officers of Indian Statistical Services (ISS) and development of training modules	T-211	Mar 03, 2025	1 Years	Nachiketa Chattopadhyay	NSSTA, MoSPI	1,03,81,140.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Statistical Data Audit	E-226	Oct 02, 2023	2 Years	Nachiketa Chattopadhyay	RBI	17,70,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Training Programme for Probationary Officers of Indian Statistical Services (ISS-45th Batch) and development of training modules	T-189	Mar 04, 2024	Mar 31, 2025	Nachiketa Chattopadhyay	NSSTA, MoSPI	93,17,025.00



6. Statistical Sciences Unit (StatSU), Delhi

Research

The Unit was created on 17 September 2024.

Faculty members in the unit work on a wide range of research areas, like, Reliability, Competing risks, Non-parametric Inference, Statistics for High Dimensional data, Resampling methods, Time Series, Non-linear regression, signal processing, Statistical computing, Statistical graphics, Computational Biology, SDEs, with publications journals of repute.

There is active collaboration with researchers from ISI Kolkata & Chennai, DAIICT, CMI, IIT Mumbai, Harvard Medical School, Washington university, Concordia university, Helsinki University, Macquarie university.

The faculty members are invited to editorial positions of journals (JSPI, JISA etc.), are invited speakers in several conferences and engage in consultancy (MOSPI, AAI etc.). Some of us are part of NCM workshops & TEW and are also actively involved with academic administration by being Chairs of several academic & administrative committees within ISI. Some of us also work as Chairpersons or members of several national level committees of NBHM, DST, INSA, NTA etc.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Abhay Gopal Bhatt	Probability	
Arindam Chatterjee	Statistics	
Deepayan Sarkar	Statistics	
Isha Dewan	Inference in Reliability and Survival Analysis	
Swagata Nandi	Statistical Signal Processing	Debasis Kundu

3.7 Theoretical Statistics and Mathematics Division

Professor-in-Charge : PRADIPTA BANDYOPADHYAY, SMU, Kolkata (1st April 2024 to 17th September 2024)

Office : 5th floor, A.N. Kolmogorov Bhavan, 203 B.T. Road, Indian Statistical Institute, Kolkata - 700 108

: JAYDEB SARKAR, SMU, Bangalore (18th September 2024 to 31st March 2025)

Office : 8th Mily Mysore Road, RVC Post, Indian Statistical Institute, Bangalore - 560 059

1.

Stat-Math Unit (SMU), Bangalore

- Head of Unit: Suresh Nayak
- Number of Faculties: 15 (Male: 14, Female: 1)
- Number of Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 22 (Male: 19, Female: 3)
- Office: 8th Mily Mysore Road, RVC Post, Indian Statistical Institute, Bangalore - 560 059

2.

Stat-Math Unit (SMU), Delhi

- Head of Unit: Tanvi Jain
- Number of Faculties: 7 (Male: 6, Female: 1)
- Number of Scientific Worker: 1 (Female: 1)
- Number of Non-Scientific Worker: 1 (Male: 1)
- Number of Research Scholar: 12 (Male: 11, Female: 1)
- Office: 7 S.J.S Sansanwal Marg, Indian Statistical Institute, Delhi - 110016

3.

Stat-Math Unit (SMU), Kolkata

- Head of Unit: Rudra Pada Sarkar and Swagato Kumar Ray
- Number of Faculties: 25 (Male: 22, Female: 3)
- Number of Scientific Worker: 1 (Female: 1)
- Number of Non-Scientific Worker: 6 (Male: 5, Female: 1)
- Number of Research Scholar: 44 (Male: 40, Female: 4)
- Office: 3rd floor, A.N. Kolmogorov Bhavan, 203 B.T. Road, Indian Statistical Institute, Kolkata - 700 108

1. Stat-Math Unit (SMU), Bangalore

Research

Stat-Math Unit Bangalore Center has been very active from 2024 to 2025 in conducting research in various fields of Mathematics such as Algebraic Geometry, Number Theory, Operator Theory, Operator Algebras, Quantum Probability, Probability and Statistics, Stochastic geometry, Random topology, Random graphs, Bayesian Statistical Inference, Statistical Ecology, Group actions, COVID related work, etc. During this period, the unit has been very productive in publishing papers in journals of international repute.

The Unit was also involved in organizing conferences and conducting the Madhava mathematics competition and Simon Marais Mathematics Competition. We also hosted a good number of postdocs and visitors.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Anita Naolekar	Algebra	Dr Abhishek Banerjee IISc Bangalore, Dr Satyendra K Mishra IIT BHU, Dr Surjeet Kour IIT Delhi.
B V Rajarama Bhat	Quantum Probability, Operator Algebras	
B. Sury	Algebra, Number Theory	
CRE Raja	Ergodic theory and dynamics on groups	Dr. Manoj Choudhari, IIRTM, Ahmedabad
Jaydeb Sarkar	Functional analysis, complex analysis	
Jishnu Gupta Biswas	Algebraic Geometry	
Maneesh Thakur	Algebraic Groups	Holger Petersson, Professor emeritus, Fern Universitaet-Hagen, Germany
Manish Kumar	Algebraic geometry	
Mathew Joseph	Probability	
Ramdin Mawia	Analytic Number Theory	
Ramesh Sreekantan	Number Theory and Algebraic Geometry	
Soumyashant Nayak	Operator Algebras Quantum Information Theory	
Suresh Nayak	Algebraic Geometry	
Yogeshwaran D	Probability	Chinmoy Bhattacharjee, Univ. Hamburg Michael Klatt, DLR Aerospace Center, Ulm Manjunath Krishnapur, IISc Guenter Last, Karlsruhe Institute of Technology, Karlsruhe Luca Lotz, Karlsruhe Institute of Technology, Karlsruhe Raphael Lachieze-Rey, Univ. Paris V, Paris Giovanni Peccati, Univ. Luxembourg, Luxembourg.

Projects

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Study of étale and Nori fundamental groups of varieties over a field of positive characteristic.	E-503	Sep 12, 2024	3 Years	Manish Kumar	SERB (ANRF)	33,43,032.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	JC Bose Fellowship project (Second term)	520	Mar 01, 2022	5 Years	B V Rajarama Bhat	ANRF, India	95,00,000.00
2	TARE	E521	Aug 27, 2022	3 Years	Jaydeb Sarkar	SERB	4,50,000.00

2. Stat-Math Unit (SMU), Delhi

Research

The Theoretical Statistics and Mathematics Unit Delhi currently has seven faculty members actively engaged in research in different areas of mathematics. Their research areas include operator algebras, quantum groups, noncommutative geometry, operator theory and matrix theory, quantum information theory, mathematical biology, partial differential equations, nonlinear and geometric analysis, Diophantine equations, binary recurrence sequences, irreducibility of polynomials and Galois groups, arithmetic dynamics, prime numbers and the number-theoretic aspects of cryptography, probability, stochastic processes, and application, random graphs, probability on trees, recursive distributional equations, particle systems and percolation theory, random walk, and random environment. As a result of their wide collaborative and independent research, the Unit members have, in total, fourteen research articles published in various reputed journals during April 2024 to March 2025.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Anish Sarkar	Probability Theory	
Antar Bandyopadhyay	Probability Theory	Dr. Partha Pratim Ghosh, Institut für Mathematische Stochastik, Technische Universität Braunschweig, Universitätsplatz 2, 38106 Braunschweig, Germany
Arup Kumar Pal	Mathematics	
Debdip Ganguly	Partial Differential Equations	
Issan Patri	Operator Algebras	
Shanta Laishram	Number Theory	
Tanvi Jain	Symplectic linear algebra	Kirti Kajla, Panjab University

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Airspace Safety Monitoring	I402	Jan 03, 2011	13 Years	Antar Bandyopadhyay	Airports Authority of India	10,00,000.00
2	Diophantine equations and polynomials	N747	Mar 11, 2024	3 Years	Shanta Laishram	SERB-ANRF	29,23,888.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	On the structure of quantum super spaces	N/741	Dec 26, 2022	Dec 26, 2024	Issan Patri	SERB	8,24,240.00

3. Stat-Math Unit (SMU), Kolkata

Research

SMUK focuses on research in: Statistics: Robust and Nonparametric Techniques, Statistical Methods in Pattern Recognition and Image Analysis, Probability: Stochastic Processes, extreme value theory, random matrix theory, Heavy-tailed Distributions Mathematics: Number theory, Automorphic Forms, Operator algebras, Subfactor theory, Algebraic Geometry, Algebraic and differential topology, Harmonic Analysis on Lie groups, Geometry of Banach Spaces, Non-commutative geometry, Commutative algebra, Wavelet analysis.

The unit comprised 25 faculty members, including four recipients of the prestigious Bhatnagar Award. The faculty were actively involved in teaching, supervising Ph.D. students, and mentoring Post-Doctoral researchers.

During the period 2024–25, the Stat-Math Unit had 44 research scholars and 47 Post-Doctoral researchers and INSPIRE Fellows engaged in advanced research activities. We also have Prof. Arup Bose serving as an Honorary Visiting Professor.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Arijit Chakrabarty	Random Matrix Theory	Rajat Subhra Hazra, University of Leiden Frank den Hollander, University of Leiden Matteo Sfragara, University of Padova
Arup Bose	Free Probability	Soumendu Sundar Mukherjee
	Informational Economics	Debashis Pal, Univ of Cincinnati Irina Toplyan, Univ. of Cincinnati Amir Rabah, Univ. of Iowa
	Modelling COVID-19 Data	Madhuchhanda Bhattacharjee, Univ. of Manchester
	Random Matrix	Kartick Adhikari, IISER Bhopal Shambhu Nath Maurya Monika Bhattacharjee, IIT Bombay
Biswaranjan Behera	Wavelet Analysis	Md. Nurul Molla
Debashish Goswami	Operator algebra (noncommutative geometry and quantum groups)	Suchenata Samaddar, Kiran Maity, Dr. Soumalya Joardar (IISER Kolkata,) Dr. Swarnendu Dutta (IISER Kolkata), Dr Suvrajit Bhattacharjee (Univ of Oslo), Dr Keshab Bakshi (IIT Kanpur), Biplab Pal (IIT Kanpur)
Jyotishman Bhowmick	Operator algebras, Quantum groups and noncommutative geometry	R.O. Buachalla, A. Krutov, B. Ghosh, S. Guin,
Kingshook Biswas	Differential Geometry	
	Harmonic analysis on manifolds	
Krishanu Maulik	Elephant Random Walk	Aritra Majumdar Tamojit Sadhukhan Parthanil Roy, Indian Institute of Technology Bombay Moulinath Banerjee, University of Michigan Ann Arbor Ujan Gangopadhyay, University of Luxembourg Gennady Samorodnitsky, Cornell University
Mahuya Datta	Differential Geometry and Topology	
Neena Gupta	Commutative Algebra	Dr. Parnashree Ghosh, TIFR, Mumbai Dr. Ananya Pal,
Paramita Das	Subfactor Theory, C* Tensor Categories	
Pradipta Bandyopadhyay	Geometry of Banach spaces	Deepak Gothwal, ISI

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Ritabrata Munshi	Number Theory	Sumit Kumar, Aarhus University Denmark Saurabh Singh, IIT Kanpur
Rudra P Sarkar	Harmonic Analysis	
Samik Basu	Algebraic Topology	
Satadal Ganguly	Counting integral points on determinant surfaces using spectral theory of automorphic forms	Dr. Rachita Guria, MPIM, Bonn, Germany
Shamindra Kumar Ghosh	Subfactor Theory, Operator Algebras, C* Tensor Categories	Corey Jones (North Carolina State University) Mainak Ghosh (Beijing Institute of Mathematical Sciences and Applications) Kajal Das (SRM University)
Soumendu Sundar Mukherjee	Probability, Statistics	
Swagato Kumar Ray	Harmonic Analysis	
Utsav Choudhury	Algebraic Geometry	Biman Roy, TIFR Mumbai, Neeraj Desmukh, IMPAN Poland, Amit Hogadi, IISER Pune

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	J.C Bose Fellowship	E043	Jul 25, 2021	5 Years	Debashish Goswami	ANRF (SERB), DST	95,00,000.00
2	J.C. Bose Fellowship	E171	Oct 14, 2021	5 Years	Ritabrata Munshi	ANRF	96,00,000.00



3.8 Library Documentation and Information Sciences Division (LDISD)

Divisional Head: DR. KISHOR CHANDRA SATPATHY

1.

Library, Bangalore Centre

- Name of the Primary Contact: Dr. M Krishnamurthy
- Address for Postal Communication: Indian Statistical Institute, 8th Mile, Mysore Road, RVCE Post, Bangalore 560 059
- [Year of Establishment: 1960]

2.

Library, Chennai Centre

- Name of the Primary Contact: Kalpana T.M.
- Address for Postal Communication: Indian Statistical Institute, Chennai Centre, 37 Nelson Manickam Road, Aminjikarai. Chennai - 600029
- [Year of Establishment: 2010]

3.

Library, Delhi Centre

- Name of the Primary Contact: Udaya Bhanu Kandha
- Address for Postal Communication: Library Unit, Indian Statistical Institute - Delhi Centre 7, S. J. S. Sansanwal Marg, New Delhi - 110 016
- [Year of Establishment: 1974]

4.

Library, North-East Centre, Tezpur

- Name of the Primary Contact: Kakoli Gogoi
- Address for Postal Communication: Punioni, Solmara, Tezpur - 784 501
- [Year of Establishment: 2011]

5.

Central Library, Kolkata

- Name of the Primary Contact: Dr. Kishor Chandra Satpathy
- Address for Postal Communication: 1st floor, S.N. Bose Bhavan, Indian Statistical Institute, Kolkata - 700 108
- [Year of Establishment: 1933]

1. Library, Bangalore Centre

A Brief Overview of the Library:

Indian Statistical Institute Bangalore Centre Library is aiming to be identified as a model library in the Indian academic scenario. ISI Bangalore Centre Library has also initiated interactive applications for its users. The library has developed a very distinguished collection in different knowledge domains such as Mathematics, Statistics, Systems Science, Information Science, Economics, Quality Management & Operations Research, Library & Information Science, Computation & Artificial Intelligence and so on. Various services are designed to meet the information needs of the faculty members, students, research scholars and visiting scientists. Walk-in users from the other institutions are also permitted to use the library. Major activities of the Library are given below:

Total members as on March 31, 2025	325
Total collections as on March 31, 2025:	32,705
	Physical (Print) Books
Total collection as on March 31, 2025:	39
	Digital (Electronics) Books
Total collection as on March 31, 2025:	21,234
	Journal Physical (Print)
Budget Spent by the Library	₹10,64,149.09
Number of circulations held in the year	4,405
Number of hits counted in the library website	80
Details about web-based services provided	<ul style="list-style-type: none"> • MyLOFT services were provided for accessing e-resources to the library users. • Book Recommendation Form through which library users suggested books.
Promotional activities performed in library	<ol style="list-style-type: none"> 1. Regular display of Newly arrived books (monthly) 2. User Orientation & Awareness Program 3. The Library conducted an orientation program for newly joined students. 4. Outreach Activities: As part of outreach efforts, the ISI Bangalore Library welcomed several academic visitors, including: <ul style="list-style-type: none"> • 80 students from Veer Narmada South Gujarat University on 14th February 2025 • 70 students from Jain University on 24th April 2024 • 50 students from Maharani Women's College on 18th March 2025 <p>Topics covered included reference management tools, open data repositories, and current advancements in library technologies</p>
Other relevant information	The outdated N-computing software was updated.
Collection Development in 2024-25 - Books	The Library purchased 331 books and received 80 books as gifts during this period.

Collection Development

- The Library purchased 331 books and received **80 books as gifts** during this period.
- It has access to **39 e-books** from World Scientific Publishing.
- The Library subscribes to major reputed e-journals, databases, and e-books in electronic format.
- Currently, the total collection includes:
 - o **32,705 books**
 - o **21,234 bound volumes**

Membership

- More than 398 registered users availed themselves of the library facilities and services during the reporting period.
- In addition, library facilities were extended to around **5,226 walk-in users** during this period.

Circulation Services

- Around **4,405 books** and **960 journals** were circulated during this period.

Remote Access and Digital Services

- The Library provides RemoteXs and MyLOFT facility for accessing e-resources remotely.
- A plagiarism-checking facility is available for teachers and research scholars.
- Current Content Services are offered to keep users updated with recent publications.

Special Collection

- Ranganathan's Collection: A total of **300 items**.

Additional Activities and Initiatives

Book Exhibitions

To enrich the library's collection and meet the academic needs of users, three book exhibitions were conducted during the year:

1. **5th–7th November 2024**
2. **6th–12th February 2025**
3. **24th–28th February 2025**

Seven vendors showcased books from diverse domains, including Statistics, Mathematics, Economics, Computer Science, Research Methodology, Fiction, Artificial Intelligence, and Machine Learning.

Workshop

A one-day workshop titled "**Recent Trends and Technologies in Libraries**" was organized on **27th November 2024**. Over **50 participants** attended the event. Key speakers included:

- **Dr. Kishor Chandra Satpathy**
- **Prof. M. Krishnamurthy**
- **Mr. Sagar Bhimrao Gajbe**

Topics covered included reference management tools, open data repositories, and current advancements in library technologies.

Internship Program

Continuing from the previous year, the Library hosted five **final-year students** of the **Diploma in Library Science** program from **Government Polytechnic Women's College**. The internship ran from **17th December 2024 to 4th April 2025**.

Outreach Activities

As part of outreach efforts, the ISI Bangalore Library welcomed several academic visitors, including:

- **80 students** from Veer Narmada South Gujarat University on **14th February 2025**
- **70 students** from Jain University on **24th April 2024**
- **50 students** from Maharani Women's College on **18th March 2025**

facility through URKUND to teachers and research scholars of the Institute.



2. Library, Chennai Centre

A Brief Overview of the Library:

Library of Indian Statistical Institute Chennai Center (ISICC) fully automated with RFID Technology is located in Aminjikarai Campus, Chennai with SQC and OR unit (SQC & OR) started in 1956 and Chennai centre library was started in 2011. Both the libraries has an excellent collection of books in subjects like Mathematics, Statistics, Management, Operations Research, Finance, Quality Control Computer and Cryptography. Conference Proceedings, Bound Volumes, Online and Print journals complement this collection. Library books from SQC and OR unit from Coimbatore were shifted to Chennai library increasing its collection to around 7400.

ISICC Library website focuses to provide access to relevant information services, bibliographic and full text digital and printed resources to support the Scholarly Community of the Institute. It also shares a platform with ISI group institutions in Resource sharing to broaden the resource availability. However, it is also open for reference to academic users of other educational and scientific institutions and its neighbouring regions.

Total members as on March 31, 2025	35
Total library personnel as on March 31, 2025	1
Total collection as on March 31, 2025:	6,643
	Physical (Print) Books
Total collection as on March 31, 2025:	6
	Digital (Electronics) Books
Usage stat / Data downloads/ Hits via RemoteXs	15
Number of circulations held in the year	488
Usage statistics of plagiarism software	13
Number of hits counted in the lib website	223
Promotional activities performed in library	1
Collection Development in 2024-25 - Books	3

3. Library, Delhi Centre

A Brief Overview of the Library & Services Offered:

The Indian Statistical Institute, Delhi Centre, maintains an academic library aims to be a premier resource in the fields of economics, mathematics, statistics, operations research, and statistical quality control. The library primarily serves bona fide students, research scholars, and staff of the institute. It is also accessible for reference by academic and research users from other educational and scientific institutions in the city and surrounding areas. It is a modern library that houses an extensive collection of books, journals, databases, reports, government publications, and other documents available in both print and electronic formats.

Major Activities:

- Collection development, organization, and maintenance of library resources**
 The library procures and maintains an excellent collection of books, journals, reports, government publications, theses, and other documents in print and electronic format. The total collection of the library (both books and bound journals) is about 53313 volumes.
- E-Resources Access facility**
 The library provides access to all major reputed e-journals, e-databases, and e-books in electronic format. Special arrangements have been made for Delhi center users to access e-resources of the Central Library, Kolkata, via MyLOFT and over 13,000 journal titles on the ONOS website.

• **Others Library Services:**

- | | |
|---|---|
| 1. Open Access System | 8. Online Public Access Catalogue (OPAC) |
| 2. Book lending service | 9. Library Website and web enable library services) |
| 3. Reading Room Service | 10. Access to e-Resources through MyLOFT and ONOS. |
| 4. Reference Services | 11. User Awareness Services |
| 5. Current Awareness Services | 12. Anti- Plagiarism (iThenticate) |
| 6. Reprographic Services | 13. Wifi/Internet Browsing Facility |
| 7. Electronic Document Delivery Service | |

Total members as on March 31, 2025	175
Total library personnel as on March 31, 2025	3
Total collection as on March 31, 2025:	34,422
	Physical (Print) Books
Total collection as on March 31, 2025:	3,000
	Digital (Electronics) Books
Total collection as on March 31, 2025:	18,891
	Physical (Print) Journal
Total collection as on March 31, 2025:	5,000
Online Databases	10+
Budget Spent by the Library	₹ 6,94,395.00
Items delivered in electronic format / ILL	100
Usage stat / Data downloads/ Hits via RemoteXs	1500
Number of circulations held in the year	2643
Usage statistics of plagiarism software	15
Number of hits counted in the lib website	1200
Requests received for Repro-photo services	100
Promotional activities performed in library	Book Display Event Organised Users awareness about electronic resources that are accessible via MyLOFT.
New services undertaken by the library	Alert Service
Other relevant information	The Delhi Centre Library has served as one of the designated NBHM Regional Libraries since 1994, with the goal of supporting academic users in the northern region. The National Board for Higher Mathematics (NBHM) is providing additional funds to help maintain and develop resources in mathematics and statistics.
Collection Development in 2024-25 - Books	454
Collection Development in 2024-25 - Journals	14
Collection Development in 2024-25 - e-Journals/ databases/ e-reports	14
Collection Development in 2024-25 - Others	The Library's website is being redesigned, and content is being updated.

4. Library, North East Centre

The ISI NE Library plays a vital role in the smooth functioning of the academic activities of the Institute. The Library aims to provide value services to its users by providing quality documents in different subject areas. The library has an excellent collection of in subject like Mathematics, Statistics, Economics, Computer Science etc. The main goal of the library is to helping the user community to the greatest extent possible.

The library provides RemoteXs facility to its users to access e-resources remotely.

The library is automated with koha Library Management Software.

Library Service/Facility:

- Circulation Service
- Reference Service
- Current awareness service
- Reprographic facility
- Plagiarism checking facility
- Web enabled Library Service
- Electronic Document Delivery Service

Total members as on March 31, 2025	40
Total library personnel as on March 31, 2025	1
Total collection as on March 31, 2025:	3,327
	Physical (Print) Books
Total collection of Journal Physical(Print) as on March 31, 2025:	207
Reports /Standards/AV materials (Print)	Student Project Report-83, Summer Internship Report-5, Workshop Report-1, Discussion Paper-2, CD-64
Budget Spent by the Library	2,31,952
Usage stat / Data downloads/ Hits via RemoteXs	Total Downloads: 525.64 MB
Number of circulations held in the year	473
Number of hits counted in the lib website	1,354
Requests received for Repro-photo services	95
Collection Development in 2024-25 - Books	55



5. Library, Kolkata Centre

Brief Overview of the Library and Services Offered

The Library, Documentation and Information Science Division is exclusively responsible for the academic and research activities of the Institute. It has earned the reputation of being among the richest libraries in the nation over the years. The Library maintains a network of four branch libraries located in major cities of the country (Delhi, Bangalore, Chennai, and Tezpur in the North-East region). Since its beginnings, the ISI library has offered its users a range of library and information services. Originating in a small room inside the Baker Laboratory of Presidency College, the Library took more than forty-five years to get well integrated and was moved to its present premises in 1978. It has been serving as one of the resourceful libraries in the area of mathematics, statistics and allied disciplines; thus catering to a wide vista of academicians and research communities.



Currently, the library occupies five floors measuring 56000 sq. ft. area of S N Bose Bhavan at Kolkata. As it stands today, the library has nine functional units including Reprography and Photography and PCM Memorial Museum and Archive. The Library remains open from Monday to Friday; from 10 a.m. to 8.30 p.m. and from 10 a.m. to 6 p.m. on Saturdays, Sundays and other Holidays. The Central Library aims to:

Meet the informational, educational, recreational, and cultural interests and needs of the user community by providing timely access to print and non-print resources appropriate to those needs.

Encourage and facilitate reading, literacy and lifelong learning by supplying resources in a variety of formats designed to interest, inform, and enlighten.

Protect the public's right to know by providing equal access to information needed for informed and effective daily living, decision-making and problem-solving by providing quality service, to organize and display the collection for easy, open access by all.

Maintain the publication exchange programme of the Institute with regional, international, national, and foreign institutions and organizations.

Continue to function as the Eastern Regional Library of the National Board of Higher Mathematics [NBHM], Department of Atomic Energy, Government of India since 1989.

Collection Development: ISI Library maintains an excellent collection of books, journals, databases, reports, government publications, theses, and other documents in print and electronic format apart from rare and special collections.

Current holdings

 Books 118917+	 e-books 11632+	 Thesis 616+	 Journals 84596+	 e-journals 35108+	 CD-ROM 952+
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During the reporting year, the library has significantly enhanced its collection of electronic resources.

Addition of eBooks:

- Springer e-books (461) of Mathematics and Statistics for the copyright year 2024 have been added.
- Wiley eBooks (109) were acquired, covering a range of disciplines: Mathematics & Statistics (46 titles), Computer Science (35), Physics (12), Economics (5), Electronics (7), and Biotechnology, Life Science, and Biology (4 titles).

- Oxford University Press e-book (103) were added which includes Sociology (14), Economics (14), Mathematics (7), Physics (26), Linguistics (37), and Psychology (5).
- Taylor & Francis eBooks (162) were included in the collection
- Cambridge University Press eBooks (40) on Linguistics were also added.

These newly added e-books are accessible across all centers through institutional IP ranges and through off campus access mechanism (MyLoft). The library currently has access to a total of approximately 11,632 e-books from major academic publishers such as Elsevier, American Mathematical Society, Springer, Cambridge University Press, Oxford University Press, Sage, World Scientific, Taylor & Francis, and Wiley.

Journals and Databases: In addition, it holds 84,596 bound volumes of journals. During the reporting period, 628 loose issues of print journals were processed. The library also provide access to approximately 35,108+ full-text electronic journals, which includes 13,196 ONOS-listed journals.



Printed Books and Thesis:

During the year under report, library accessioned a total of 410 printed books out of which 142 books were purchased and added 268 complementary books. Also, a total of 48 Thesis was processed during this period.

Collection through Exchange and Complementary mode: Library continues to maintains its publication exchange programme of 'Sankhya - the Indian Journal of Statistics' with 36 scholarly journals from national and International Institutions/ Organizations from Bangladesh, Croatia, Czech Republic, France, Japan, Poland, Romania, Slovakia, Spain, UK and USA. Besides, library receive about 100+ complimentary journals and magazines.

Archival Collection: Library also has the access to archival collection such as. The Economist Historical Archive,



1843-2015: Research on global political and economic news and analysis with the source used by top leaders and thinkers and The Making of the Modern World: Understand the development of the modern, western world through the lens of trade and wealth.

Special Collection:Library also maintains a Special Collection on **P. C. Mahalanobis** (4000+ documents) and **W A. Shewhart**: 3060 (documents including 112 reprints).

E-Resources through ONOS: As per the recommendations of the Government of India, ISI Library is now integrated into the **One Nation One Subscription** (ONOS) initiative – a

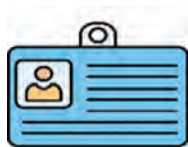


transformative step toward democratizing access to high-impact scholarly content across nation. During Phase – I (2025 – 2027) it aims to provide nationwide full text equitable access to over 13,000+ scholarly journals from 30 premier publishers under a unified subscription model to all the government-managed higher education and research institutions of India. Access to ONOS resources are currently managed by the national coordinating agency - Information and Library Network (INFLIBNET), Gandhinagar through the following portal <https://www.onos.gov.in/publishers>.

Institutional Tie-ups: Library has Institutional tie-ups with several professional bodies like ILA, IASLIC, BLA, DELNET, AIMS, British Council and Shastri Indo-Canadian Institute.



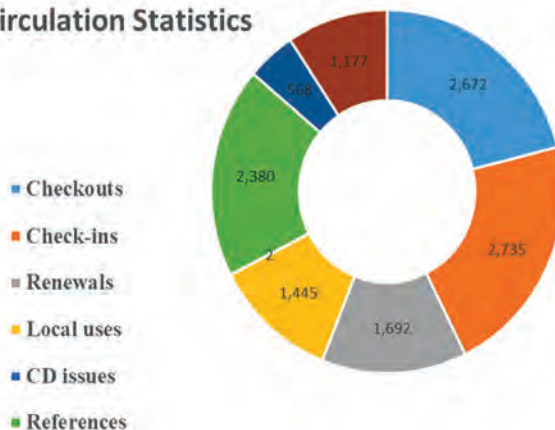
Library Services:



Membership: ISI Library has a total of 1329 Individual members and 1078 (ISI Membership) apart from 307 reference members.

The Central Library, since its inception, has been providing a variety of library and information services to its users. The services presently being provided includes: access to a well-curated collection of books, journals, newspapers, and access to digital resources 24x7 across various disciplines, reading and reference facilities, lending services. In addition, libraries support users through research assistance, bibliographic services, inter-library loans, and document delivery services on request. ISI library also organizes user education programs such as orientation sessions, lectures, workshops, special hands-on training for the interns and training on scholarly databases apart from arranging regular and thematic displays, providing up-to-date information through the website and web-OPAC. Also, offering remote access to resources via Myloft mechanism, updating Institutional Repositories regularly, providing support to researchers in checking plagiarism with iThenticate software, helping researchers in academic writing by giving access to Overleaf, thereby ensuring seamless learning and research support anytime, anywhere. Library also supports all other activities of the institute such as help in preparing the publication details for the Annual Report of the Institute. This year a total of 1600 documents got bound.

Circulation Statistics



Reprographic & Photographic Service: The Reprographic & Photographic Unit (RPU), part of the Library, Documentation, and Information Science Division, has offered essential reprographic and photographic services since the 1940s. It offers a diverse array of specialized services, include graphic design, image processing, development of digital photo archive alongside the scanning and restoration of old photographs, art photography training, and scientific imaging. Beyond these core offerings, the unit extends its support to image editing, colour poster printing, spiral binding, lamination, indoor photography, including specialized scientific photographic assignments for different scientific divisions of the institute. RPU plays a crucial role in the photographic documentation of various events and activities of ISI. A significant achievement of the unit is the establishment of a Comprehensive Digital Photo Archive, which stores photographs along with the metadata to preserve archival and historical materials to safeguard ISI's rich visual heritage. Additionally, the unit has developed a microfilm and microfiche database containing numerous documents of historical importance.

During the reporting year, the unit produced:



- 922 colour photo prints
- 5436 colour prints (A4 Size)
- 1283 colour prints (A3 size)



- 79130 black-and-white prints (A4 size)
- 378 black-and-white prints (A3 size),

Other services provided:



Photographs Taken = 8270



Document Scanned = 312



Designs Created = 254

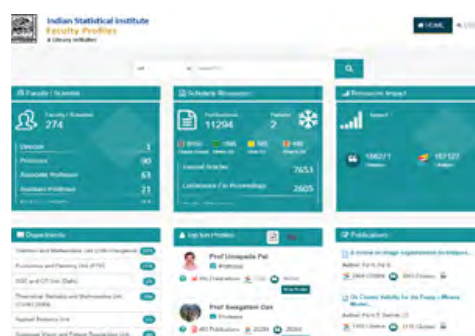
Showcasing research output through Digital Commons and IRINS Platform:

Digital Commons - ISI Library is part of the digital commons (<https://digitalcommons.isical.ac.in/>) network, collaboratively developed across the communities' world over that help showcasing institution's research and scholarship, enabling better access with greater outreach, hosted by Elsevier.

IRINS (<https://isi.irins.org/>) - Web-based Research Information Management (RIM) service which is developed by the Information and Library Network (INFLIBNET) Centre which provide support to showcase the scientific activities of the Institute by integrating academic identity (via ORCID, Scopus, WoS, Google Scholar) for ingesting the scholarly publications from various sources. ISI is part of this network.

In the reporting year overall 2287 new records for ISI Publications and 145 ISI theses records were added in Digital Commons platform, adding accession number for 55 theses, adding hyperlinks for 1144 Journal articles in DC (for the publication year 2016 and 2023) and for 136 theses to present their direct access to the original source were modified. While a total of 13 new profiles were added in IRINS. 77 profiles were modified in IRINS.

Institutional Digital Repository (IDR) (<https://www.isical.ac.in/~library/isirep/isirepository.html>) and **Library Webpage**: Searchable bibliographic database to showcase the scientific contributions of the ISI scientists on all subject fields since 1934 that covers full-text records in which scientific writings of ISI faculty, Professor P. C. Mahalanobis Collection, convocation addresses, Ph.D. theses and annual reports since 1933 to present. Also, ISI Question papers,



biographies of the Convocation addressee/ Special Guests are part of this collection. The total full text records at present in IDR is 7080 and in the reporting year a total of 106 records which consists of 54 dissertations, 45 theses, 5 ISI scientist's publication, 2 Annual Reports consisting about 4000 Pages were added.

Through the library webpage (<https://lids.isical.ac.in/>) ISI library keep all the users up-

to-date about the library activities, collection, events and other useful information.

Library Visit & Outreach initiatives: Provided guidance and hospitality to Post-Graduate Students of Lib. & Info Sc. & other courses. Apart from this many dignitaries visited ISI Library in the reporting year. ISI Library organized a few outreach programs in the reporting period. A few online as well as offline user awareness programmes were organized.

New Initiative for the reporting year: In terms of special initiative, this year library has procured various software and services such as **MyLOFT** for remotely accessing subscribed e-resources replacing RemoteXs, introduced **Overleaf** for the users to support collaborative research (LaTeX based editing), **PressReader** (Newspaper Direct) for accessing a wide range of newspapers and, **KIBO** inclusion kit (Multilingual scanning and reading device).

Online databases and journal subscriptions were expanded through ONOS to access cutting-edge research and academic resources across the fields like Mathematics, Statistics, Computer Science, Healthcare, Business, Engineering, and Social Sciences. As a part of reengineering of Library services and activities, recently the following software, tools and assistive technologies got introduced:

MyLOFT (Mobile-based off campus access): Library has upgraded to its off-campus access system for subscribed e-resources.



Transitioning from RemoteXs, to the more advanced and user-centric MyLOFT platform.

PressReader (Digital Newspaper & Magazine): Access to over 7,000 of the world's top newspapers and magazines online.



Overleaf (LaTeX based online publishing tool): Online LaTeX and Rich Text collaborative writing and publishing tool that makes the whole process of writing, editing and publishing scientific documents much quicker and easier.

Kibo (Knowledge in a Box): This is an AI-powered, patented technology designed to revolutionize the way students access learning materials, making the library more inclusive and accessible to all.

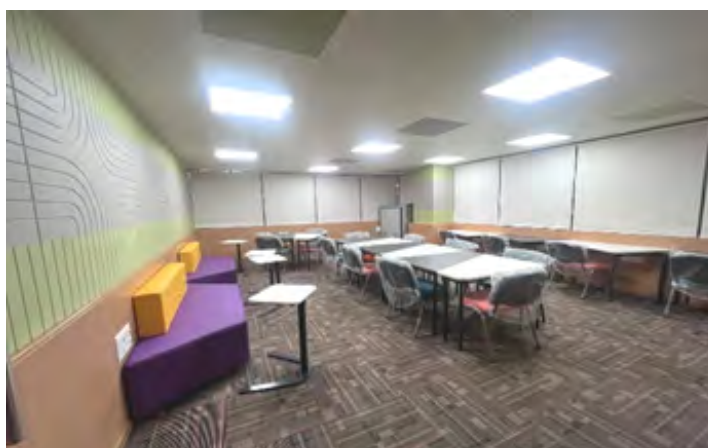


Special Drive:

During the reporting period, the Library successfully completed a comprehensive stock verification of its physical resources.

Collaborative Research Space @ ISI Library:

Library is developing a state-of-the-art Collaborative Research Space dedicated to supporting the needs of our research scholars and fostering a vibrant academic environment. This initiative involves a comprehensive renovation of the existing Library



space, transforming it into a modern, technology-enhanced hub for collaborative research and innovation. The Collaborative Research Space is designed to meet the evolving needs of our research community by providing a dynamic environment that encourages interdisciplinary collaboration, academic inquiry, and innovation. This initiative underscores the library's commitment to supporting cutting-edge research and enhancing the institute's reputation as a leader in academic excellence.

Revenue generation: During the reporting period Library has generated total revenue of ₹ 56732 from different service deliveries - like membership subscriptions (registration/renewal), plagiarism checking, overdue charges & document deliveries. Additionally, Repro-photo unit also generated ₹ 249733 from various service delivery.

Projects

Internally Funded Projects

Completed Projects

Sl.	Name of the Project	Starting Date	Duration	Principal Investigator(s)
1	Arrangement, Description and Digitization of Archival Documents	Apr 01, 2022	Mar 31, 2025	Dr.Kishor Chandra Satpathy, Library, Kolkata

3.9 Computer and Statistical Service Centre (CSSC), Kolkata

Head of Unit: Ujjwal Bhattacharya

Number of Faculties: 1 (Male: 1)

Number of Scientific Worker: 6 (Male: 6)

Number of Non-Scientific Worker: 5 (Male: 4, Female: 1)

Office: 4th Floor, S. N. Bose Bhavan, Indian Statistical Institute, Kolkata - 700 108

Research

The Computer and Statistical Service Centre (CSSC) of the Institute, located at the main Kolkata campus, serves as the central hub for managing its comprehensive IT infrastructure. Its responsibilities include overseeing the data center operations, campus LAN and Wi-Fi networks, and VoIP telephony services. CSSC also manages a wide array of end-user computing devices across the Institute.

In addition to infrastructure management, CSSC is responsible for maintaining critical enterprise IT applications such as the Institute's website, email services, and other bespoke applications essential for academic and administrative operations. It provides robust computational facilities, including specialized GPU servers and symmetrical multiprocessing environments, crucial for research and scientific computing needs across various departments.

CSSC supports the broader academic mission by hosting two dedicated computing labs for ISI courses, facilitating practical classes and research activities throughout the academic year. These labs are equipped with a large number of computers tailored to meet the specific needs of programs like B. Stat., M. Stat., M. Tech. (CS), M. Tech. (QR & OR), and M. S. (QE).

Furthermore, CSSC plays a pivotal role in enabling online teaching and remote learning capabilities, ensuring seamless connectivity and video conferencing services for both local and remote participants. It also coordinates the technical aspects of conducting computer-based tests in a specialized examination hall.

Beyond infrastructure and academic support, CSSC manages bulk purchases, distribution, and maintenance of hardware and software resources, and provides technical training and support to staff across scientific and administrative divisions of the Institute. This comprehensive role underscores CSSC's integral position in enhancing operational efficiency and technological advancement within the institution.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)
Biswajit Halder	Network Security
Suman Ghosh	Computer Vision

Overview of Infrastructure

Resource	Brief Overview of Resources Available
Datacentre	The primary data centre of CSSC houses 6 servers, primarily catering to enterprise needs and a portion of computational requirements. And, server virtualization is facilitated through VMware, Proxmox VE and Linux containers, ensuring efficient resource allocation and management. Additionally, CSSC has recently rolled out a new cloud-style data centre unit specifically designed to host and manage enterprise applications with enhanced scalability and reliability.
HPC Facility	The SyMeC data centre is also managed by CSSC which boasts 19 servers specifically designed to meet computational demands. Both data centres are interconnected via high-end networking fabric and storage virtualization is implemented atop a network file storage system.

Resource	Brief Overview of Resources Available
Campus LAN	The campus LAN follows a three-tier design, comprising around 170 gigabit ethernet switches at the distribution layer and approximately 150 switches at the access layer. To accommodate users' BYOD needs, there are around 140 WiFi4 access points deployed across the campus.
Software for use by students, faculty and CSSC	CSSC provides access to a variety of licensed software tools, e.g. Mathematica, Matlab, and virtual development platform comprising many other environment Magma, Sage, Python, C, and Java.
IP Telephony	IP telephony services support approximately 250 users and utilizes BSNL lines for external connectivity.
Video-conferencing	CSSC offers comprehensive video conferencing capabilities across multiple platforms including VC endpoints, personal computers, and smartphones. Its large VC room features advanced amenities such as a smart display and a cutting-edge 360-degree audio system. This setup caters to a variety of gatherings including academic council meetings, administrative meetings, faculty candidate presentations, classes for outlying center students, and expert lectures. Additionally, a smaller VC room with basic facilities accommodates overlapping meetings. Often CSSC technical team extend their support for seamless management and assistance of various video conferencing needs of different offices and units of the Institute.
VPN Connectivity	The Institute maintains Site-to-Site Virtual Private Network (VPN) connections with its centres in Delhi, Chennai, Tezpur, Bangalore, and Giridih. These VPN links enable outlying branches to securely access IT infrastructure hosted at CSSC in Kolkata. The centralized accounting software server located in Kolkata is also accessed daily by these centres and branches for routine operations.
Computing Laboratories	Lab facilities for all the students of Kolkata Headquarter of the Institute are provided by the CSSC. Practical classes of regular courses like B. Stat., M. Stat., M. Tech. (CS), M. Tech. (Q.R. & O.R.), M.S. (Q.E.), and M. Stat. take place regularly at the computer laboratories of CSSC throughout the year. Certain courses of various streams like B. Stat. (Delhi centre), M. Tech. (CS), PGDSMA etc. are often organized online through video conferencing facility managed by CSSC. It has also facility for conducting Computer Based Tests (CBT) of a group of students of limited number
Disbursal of Desktops/ Laptops	CSSC periodically undertakes bulk purchases, distribution, and maintenance of laptop and desktop computers to fulfill the needs of its faculties and administrative staff. This includes procurement services for acquiring new equipment, annual maintenance contracts (AMC) to ensure ongoing support and upkeep, and decommissioning services for retiring outdated hardware. The institute also maintains comprehensive records throughout these processes to efficiently manage its IT resources.
Any other information	<p>In January 2025, a group of CSSC technical staff led by its Head visited the Computer & Informatics Centre (CIC) of IIT Kharagpur. During the visit, the CSSC team received an overview of the activities carried out by the CIC. They were also given a guided tour of the Centre for Computational and Data Sciences (CCDS) and the PARAM Supercomputing Facility, where they were briefed on various components and operational aspects of its centralized IT infrastructure as well as high-performance computing facilities.</p> <p>As part of this knowledge exchange initiative, a return visit took place on January 20, 2025, when a team from CIC, IIT Kharagpur, visited ISI Kolkata. The CIC team interacted with members of CSSC and discussed the IT infrastructure implemented at ISI.</p> <p>These mutual visits were organized to foster the exchange of technical expertise and best practices between the two leading institutions of the region.</p>

Resources acquired

Resource	Brief Overview of Resources Available
Data Centre Unit	One cloud ready data centre unit comprising of four Dell Poweredge R760 Servers, one Sophos XGS126 Firewall, one Cisco Catalyst 9500 Layer3 Switch with High-Availability and a KVM Switch
Networking	One Cisco Catalyst 9200 Layer 2 Switch, 2 nos. Digisol DG-GS1528HPC/IS PoE+ L2 Access Switches, 4 nos. Digisol DG-GS1528 Non PoE L2 Access Switches
Video-conferencing	20 Licenses of Zoom Video Conferencing software with one license of Zoom Conference Room Connector
Internet Security	1 x Sophos XGS 4500 NG Firewall in High-availability mode (Active-Passive) with IPSec Site-to-Site and SSL VPN facility to connect remote users
Smart Displays	02 nos. Smart Display boards for the two computer labs



3.10 Academic Centres

1.

Centre for Artificial Intelligence and Machine Learning (CAIML), Kolkata

- Head of Unit: Utpal Garain
- Number of Faculties: 12 (Male: 10, Female: 2)
- Number of Non-Scientific Worker: 2 (Male: 1, Female: 1)
- Number of Research Scholar: 4 (Male: 1, Female: 3)
- Office: 4th Floor, S. N. Bose Bhavan, 203 B.T. Road, Indian Statistical Institute, Kolkata - 700 108

2.

The Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE), Delhi

- Head of Unit: E Somanathan
- Number of Faculties: 8 (Male: 7, Female: 1)
- Number of Scientific Worker: 28 (Male: 12, Female: 16)
- Number of Non-Scientific Worker: 2 (Male: 1, Female: 1)
- Office: 7, S. J. S. Sansanwal Marg, NRPC Colony, Block B, Qutab Institutional Area, Indian Statistical Institute, Delhi - 110 016

3.

The Center for Soft Computing Research (CSCR), Kolkata

- Head of Unit: Kuntal Ghosh
- Number of Faculties: 4 (Male: 4)
- Number of Non-Scientific Worker: 2.50 (Male: 0.50, Female: 2)
- Number of Research Scholar: 7 (Male: 4, Female: 3)
- Office: 1st Floor, R. A. Fisher Bhavan, 203 B. T. Road, Indian Statistical Institute, Kolkata - 700 108

4.

R .C. Bose Centre for Cryptology & Security (RCBCCS), Kolkata

- Head of Unit: Subhamoy Maitra
- Number of Faculties: 5 (Male: 5)
- Number of Non-Scientific Worker: 3 (Male: 3)
- Office: 203, Barrackpore Trunk Road, Indian Statistical Institute, Kolkata - 700 108

5.

Technology Innovation Hub (TIH), Kolkata

- Head of Unit: Agnimitra Biswas
- Number of Scientific Worker: 13 (Male: 10, Female: 3)
- Number of Non-Scientific Worker: 6 (Male: 5, Female: 1)
- Office: 6th Floor R A Fisher Bhavan, Indian Statistical Institute, Kolkata - 700 108

1. Centre for Artificial Intelligence and Machine Learning (CAIML), Kolkata

Research

The Centre for Artificial Intelligence and Machine Learning (CAIML) is actively engaged in innovative research across diverse domains. It is working on advanced machine learning techniques for cryptanalysis in collaboration with the security advisory group of DRDO, Govt. of India and developing risk management models for banking systems. The Centre's projects also include reinforcement learning applications in healthcare and AI-driven prescriptive management of cardiovascular diseases using generative AI for cloud and edge platforms. Additionally, the Centre is actively involved in public and private-funded AI and machine learning projects, as well as organizing workshops and training programs to promote AI education and skill development. These efforts reflect the Centre's dedication to advancing AI research and fostering its practical applications for societal benefit.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Utpal Garain	Application of Deep Neural Models for Cryptanalysis, Explainable Deep Models for Healthcare	Arijit Ukil (TCS), Arpan Pal (TCS)
Malay Bhattacharyya	Machine Learning for Cryptanalysis	Saibal K. Pal (DRDO), Girish Mishra (DRDO)

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Advanced Machine Learning Techniques for Cryptanalysis	E-172	Dec 31, 2021	3 Years 6 Months	Utpal Garain, CVPRU, Kolkata	Defence Research and Development Organisation	1,92,13,700.00

2. The Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE), Delhi

Research

In April 2024, Dr. K. VijayRaghavan chaired CECFEE's fourth Board of Management meeting and commended the centre's growing contributions.

CECFEE progressed significantly on four major externally-funded projects, including Efd's Climate Policy for Development (CPFD) collaborative; two Gates Foundation projects on Digital Labor and Women's Empowerment (DP-WEE) and micronutrient data utilization; and a J-PAL pilot with MIT on electric cooking and indoor air pollution.

Looking forward, CECFEE is partnering with the International Growth Center (IGC) to launch the India Sustainable Growth Hub (ISGH) at ISI Delhi—expanding research-policy engagement and opening new avenues for funding and collaboration.

CECFEE produced 23 publications, hosted eight seminars, and conducted seven policy-relevant workshops and conferences. We also deepened our engagement with government institutions to support evidence-based policy.

Major events included a climate policy modelling workshop with Chief Economic Adviser Dr. V. Anantha Nageswaran's keynote, a 12-member team presenting at the Efd Annual Meeting in Nairobi with several receiving recognitions, technical presentations at Kerala's International Energy Festival on electric cooking organized by Energy Management Centre, Govt. of Kerala, the SERI-Doctoral Conference under the DP-WEE project, and the 8th CECFEE Annual Policy and Research workshop with SRIJAN Foundation strengthening research-policy linkages.

Urban climate adaptation was a key focus, highlighted by a study on ‘the impact of heat on earnings among informal-sector workers’ led by E. Somanathan and Saudamini Das (IEG). The study revealed that a 1°C increase in temperature caused a 13% drop in informal workers’ earnings, along with higher rates of illness and absenteeism. The findings were widely disseminated through a stakeholder workshop and featured in Mongabay and the Global Heat Health Information Network.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
E Somanathan	CGE modelling of the Indian economy to understand the impacts of alternative GHG	Dr Shoibal Chakravarty, Indian Institute of Science, Bengaluru
	Studying the causal impact of electric cooking through induction on cooking time, cost of fuel, convenience, safety, carbon emissions and indoor air pollution in the Anganwadis across Kerala	The Energy Management Centre, Dept of Power, Govt of Kerala Eshita Gupta, KPMG Praveen Kumar, ISI Delhi
Chinmayi Srikanth	Education, Marriage, and Mobility among Indian Women – explores how intergenerational education and educational assortative marriage affect caste-based inequality among Indian women.	Prof Rohini Somanathan, Delhi University, CECFEE member
	From “Criminals” to Conservationists: Reinventing the Pardhi identity evaluates how a hunting ban affected the Pardhi community’s livelihoods and whether forest-based alternatives can deter poaching.	Agnij Sur, ISI Delhi, CECFEE Member
Tanu Gupta	How air quality affects the extent and quality of engagement in conference sessions	Ludovica Gasse-University of Warwick Santiago Saveedra-Universidad del Rosario Mattie Toma-University of Warwick
	Improving women’s work opportunities: The role of skills in a digital world	Prof Farzana Afridi, ISI Delhi, CECFEE Member Rachel Heath-University of Washington, USA Kanika Mahajan -Ashoka University & CECFEE Member
	Milking long run benefits from Nutrition: Operation flood and adult health in India	Prof Abhiroop Mukhopadhyay, ISI Delhi, CECFEE Member Prakarsh Singh- Plaksha University
Raavi Aggarwal	Inequality in carbon emissions among Indian households - Examines carbon emissions inequality across income groups in India and projects future trends under current decarbonisation policies.	Lucas Chancel (Paris School of Economics and World Inequality Lab)
	Labour vs. Energy: Input substitution in the Indian manufacturing sector - Analyzes how Indian manufacturing substitutes between labour and energy in response to rising electricity prices, with implications for carbon pricing policy.	

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Kanishka Kacker	Long term health impacts of air pollution in India	V. Taraz (Smith College) Raavi Agrawal (CECFEE, ISI)
	The Impact of Delhi's Graded Response Action Plan (GRAP)	A. Chotia (independent, former masters' student at ISI) P. Agrawal (former masters' student at ISI)
	Coal Quality in the Indian electricity sector	S. Khanna (London School of Economics) A. Jindal (NTPC Pvt. Ltd.)

Projects

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	EfD India Work Plan & Agreement of EfD 2024 - under the ISI-EfD Umbrella Agreement 2021-2024	F-701	Apr 01, 2024	3 Years	E Somanathan, EPU, Delhi	EfD, University of Gothenburg, Sweden	1,57,00,000.00
2	Supplementary funding for survey and equipment purchase for the EfD project	F-712	Jan 01, 2025	1 Years	Kanishka Kacker, EPU, Delhi	Queens university, belfast	10,39,000.00

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Examining the potential of air purifiers and behavioral interventions in mitigating the impact of air pollution on children in the global south	F-701_1	Jan 01, 2024	2 Years	Kanishka Kacker, EPU, Delhi	EfD	38,59,000.00
2	Utilization of data for enhanced service uptake and provision	F-710	Nov 01, 2023	1 Years 6 Months	Mudit Kapoor, EPU, Delhi	Gates Foundation	3,88,00,000.00
3	Electricity reliability and electric cooking: What can we learn from cross-national comparisons?	F-701_5	Jan 01, 2023	3 Years	E Somanathan, EPU, Delhi	EfD	59,00,000.00
4	Empowering Households for Clean Energy: The Impact of Women Empowerment on usage of cleaner fuels in selected countries of Sub-Saharan Africa	F-701_2	Jan 01, 2024	2 Years	E Somanathan, EPU, Delhi	EfD	15,51,000.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
5	Coping with Natural Hazards: Coastal Ecosystems' Protective Services and Role in Shaping Informal Risk-Sharing and Shock Coping	F-701_3	Jan 01, 2024	2 Years	E Somanathan, EPU, Delhi	EfD	5,17,000.00
6	Impact of externally funded projects on women empowerment, poverty & climate change adaptability of vulnerable coastal communities: A comparative study on India & Tanzania	F-701_4	Jan 01, 2023	2 Years	E Somanathan, EPU, Delhi	EfD	19,26,000.00
7	Impact of landfills on health	F-701_6	Jan 01, 2023	2 Years	E Somanathan, EPU, Delhi	EfD	52,59,000.00
8	Distributional effects of the COVID-19 lockdowns in India	F-701_7	Jan 01, 2021	5 Years	E Somanathan, EPU, Delhi	EfD	48,83,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Optimal emissions pricing in LMICs accounting for household emissions from traditional cooking	F-701_C1	Jan 31, 2022	Dec 31, 2024	E Somanathan, EPU, Delhi	EfD	67,74,000.00
2	Effects of heat on the incomes of workers in the informal sector	F-701_C2	Jan 01, 2021	Dec 31, 2024	E Somanathan, EPU, Delhi	EfD	35,49,000.00

3. The Center for Soft Computing Research (CSCR), Kolkata

Research

The Center for Soft Computing Research: A National Facility was established at the Indian Statistical Institute (ISI), Kolkata, in 2004 by the Department of Science & Technology (DST), New Delhi under its prestigious IRHPA program. The Center has been declared in 2010 an Associate Institution of ISI. Research activities are conducted in enriching as well as developing new soft computing technologies in the framework of modern AI and data science. These include granular computing, computational theory of perception, deep learning and explainable AI, human-centered robotics, theory of cognition, cybernetics, information processing in plants and small animals, and machine-mind development, with fore-front application areas like granular data mining, granulated deep learning, cognitive vision, soft deep architecture, video analytics, social network analysis, bioinformatics, pollution analytics, remote sensing image analysis, assistive technology, and computing with words.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Kuntal Ghosh	Assistive Technology	Sandipa Roy
	Complex and Brain Networks	Dr. Anjan Chowdhury
	Cybernetics	Barnini Bhattacharya, Dr. Shibsankar Roy
	Psychophysics	Keerthi S Chandran
Shubhra Sankar Ray	Neural Networks	Joginder Singh, Sudip Ghosh
	Soft Computing	Joginder Singh, Sukriti Roy
	Bioinformatics	Dr. Jyoti Paliwal, R.U.H.S. College of Dental Sciences Dr. Sandeep Jasuja, Sawai ManSingh Medical College and Hospital, Jaipur Joginder Singh Sukriti Roy
Sankar Kumar Pal	Climate Analytics	Dr. Chandrani Chatterjee ,SAC, Ahmedabad Dr. Debashree Dutta,
	Explainable AI	Dr. Anima Pramanik Dr. Debashree Dutta,
	Granular Deep Learning	Dr. Anima Pramanik Dr. Arun Kumar, KSRM College of Engineering Kadapa, Andhra Pradesh Dr. Debashree Dutta Dr. Shreya Biswas, Jadavpur University Dr. Sobhan Sarkar, IIM Ranchi
	Health Informatics	Dr. Atanu Biswas, Institute of Post Graduate Medical Education and Research, Kolkata Dr. Madhushree Chakraborty, Bangur Institute of Neurosciences, Kolkata Dr. Saikat Biswas Dr. Sayani Adak
	Human Centered Robotics	Dr. Pritam Paral, IEST Shibpur
	Remote Sensing and Interpretability	Dr. Arun Kumar, KSRM College of Engineering, Kadapa, Andhra Pradesh Dr. Saroj Kumar Meher
	Safety Analytics	Dr. Anima Pramanik Dr. Debasis Das, IIT Jodhpur Dr. Sobhan Sarkar, IIM Ranchi
	Soft Computing and Intelligent Informatics	Dr. Ajith Abraham, Bennett University, Greater Noida Dr. Sabu Tampi, Kerala University of Digital Sciences, Innovation and Technology, Thiruvananthapuram
	Z -numbers and Computational theory of perception	Dr. Anima Pramanik Dr. Debashree Dutta

Projects

Externally Funded Projects

Ongoing Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Understanding the Impact of 'Invasive' and 'Non-Invasive' Stimuli on Cognitive Intelligence of Adult Zebrafish	E210	Mar 27, 2023	3 Years	Kuntal Ghosh, MIU, Kolkata	DST, GoI	13,60,410.00
2	Towards development of assistive technology for Indian sign language: cognitive analysis and application development	E167	Oct 04, 2021	4 Years 6 Months	PI: Ms. Sandipa Roy, Mentor: Kuntal Ghosh, MIU, Kolkata	DST-WOS B	29,31,768.00
3	SERB National Science Chair (NSC)	E144	Aug 01, 2020	5 Years 3 Months	Sankar Kumar Pal, CSCR, Kolkata	SERB-DST	2,20,00,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Unearthing the heterogeneity in virulence using both ICMR COVID-19 testing data and other primary data	E184	Apr 13, 2022	Oct 14, 2024	Kuntal Ghosh, MIU, Kolkata	ICMR	15,35,020.00

4. R. C. Bose Centre for Cryptology & Security (RCBCCS), Kolkata

Research

The Centre aims at the promotion of interdisciplinary research in Mathematics, Computer Science and Statistics towards furtherance of teaching, research as well as training and development in Cryptology and Cyber Security. It acts as a national hub for cryptographic requirements, cutting-edge research activities and indigenous capacity building in all relevant fields of study.

Major activities of the Centre include teaching, training and research in Cryptology and Security. The Centre promotes sustained collaboration in focused research areas, and serves as a meeting point for eminent scholars. It also conducts training programs targeted to produce a critical mass of experts to cater to the national and international requirements in this niche area.

Current Areas of Research

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Debrup Chakraborty	Cryptology, Secure Symmetric Encryption Schemes; Efficient Implementations of Cryptographic Schemes in Software and Hardware	Avishek Majumder, School of Computer Science, UPES, Dehradun, India Subhabrata Samajder, Faculty of Mathematical and Information Sciences, ACSIR, New Delhi, India

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Anisur Rahaman Molla	Distributed Computing and Network Algorithms; Theory and Application of Large-scale Distributed Networks; Security in Distributed Computing, Byzantine Computation, Distributed Computation using Mobile Agents, Distributed Processing of Big-data, Design and Analysis of Distributed and Parallel Algorithms; Randomized Algorithms; Probabilistic Analysis of Algorithms	Ajay D. Kshemkalyani, University of Illinois Chicago, Chicago, USA Manish Kumar, Indian Institute of Technology Madras, Chennai, India Gokarna Sharma, Kent State University, Kent, USA Rik Banerjee, Indian Statistical Institute Kolkata Debasish Pattanayak, University of Ottawa, Ottawa, Ontario, Canada Prabhat Kumar Chand, Indian Statistical Institute Apurba Das, BITS Pilani, Hyderabad
Sabyasachi Karati	Public- Key Cryptography; Number theory; Computational Number Theory; Algorithms Design, Analysis, and their Efficient Implementations	Debendranath Das, Indian Statistical Institute Anirban Ghatak, Indian Statistical Institute Indivar Gupta, Scientific Analysis Group, DRDO Arindam Mandal, SAG DRDO Mojtaba Fadavi, University of Waterloo, Canada Aylar Erfanian, Department of Computer Science, University of Calgary, Canada Reihaneh Safavi-Naini, University of Calgary, Canada Samuel Jaques, Department of Combinatorics & Optimization, University of Waterloo, Canada
Goutam Kumar Paul	Symmetric Cryptanalysis, Design and Analysis of Steganographic Algorithms, Classical & Quantum Attack on Classical Cipher, Algorithms for High Capacity Data Hiding in Image and Audio, Sports Data Analytics (Quantifying Precedence of Players in Cricket), High Speed Symmetric Cryptanalysis, Cloud Security, Cryptographic Boolean Functions, Quantum Thermodynamics and Cosmology, Quantum Circuits, Quantum Information, Quantum Error Correcting Codes, Security of Quantum Cryptographic Protocols, QKD Security, Quantum Information Processing, Quantum Secure Direct Communication, Quantum Thermodynamics, Quantum Entanglement and Indistinguishability, Quantum Multiparty Computations, Quantum Machine Learning, Quantum Error Modeling	Asmita Samanta, Indian Statistical Institute Arpita Maitra, TCG Centres for Research and Education in Science and Technology (TCG CREST), Kolkata Nirupam Basak, Indian Statistical Institute Pritam Chattopadhyay, Department of Chemical and Biological Physics, Weizmann Institute of Science, Rehovot, Israel Avijit Misra, ISM Dhanbad Tanmoy Pandit, Hebrew University of Jerusalem, Jerusalem, Israel, Institute for Theoretical Physics, Technical University of Berlin, Germany Aman Gupta, Department of Physics, Indian Institute of Technology, Roorkee, India Gunja Venkat Chandra, Qulabs, Hyderabad Nayana Das, LTI-Mindtree

Name of the DCSW Member	Research Topic(s)	Collaborator(s)
Mriganka Mandal	Theoretical Computer Science, Cryptography and Network Security, Hybrid Quantum-Classical Encryption, Multivariate Public-Key Cryptosystems, Broadcast Encryption, Attribute-based Encryption Functional Encryption, Cloud Computing, Internet-of-Things (IoT)	Dr. Ramprasad Sarkar, Indian Statistical Institute Utkarsh Sahai, Indian Statistical Institute Sourav Mukhopadhyay, Department of Mathematics, Indian Institute of Technology Kharagpur, India Prof. Ratna Dutta, Department of Mathematics, Indian Institute of Technology, Kharagpur Prof. Koji Nuida, Institute of Mathematics for Industry, Kyushu University, Fukuoka, Japan Prof. Junbeom Hur, Department of Computer Science and Engineering, Korea University, Seoul, South Korea Prof. Chun-I Fan, Department of Computer Science and Engineering, National Sun Yat-sen University, Kaohsiung, Taiwan Dr. Ravi Anand, Graduate School of Information Science, University of Hyogo, Hyogo, Japan Prof. Arijit Karati, Department of Computer Science and Engineering, National Sun Yat-sen University, Kaohsiung, Taiwan Prof. Yi-Fan Tseng, Department of Computer Science, National Chengchi University, Taipei, Taiwan

Projects

Externally Funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Information Security Education Awareness, Phase - III	E242	Jul 16, 2024	5 Years	Subhamoy Maitra, ASU, Kolkata	Ministry of Electronics and Information Technology	2,00,00,000.00

5. Technology Innovation Hub (TIH), Kolkata

Research

IDEAS Institute of Data Engineering, Analytics & Science Foundation (IDEAS TIH) received funding support from the NM-ICPS, DST, Government of India, during FY 2024-25 to drive translational research, skill development, and entrepreneurship initiatives. During the year, two significant projects were added to its portfolio: FASAL 2.0, supported by the Ministry of Agriculture and Farmers' Welfare, and a collaborative research engagement with the Cardiological Society of India. The Centre also formalised a partnership through an MoU with IISWBM, one of India's oldest management institutes, to jointly conduct advanced skill training programmes in artificial intelligence, machine learning, data science & engineering, analytics, and allied domains.

Externally-funded Projects

New Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1	Development of AI analytical models to detect potential aberrations in PCG signals	7043153582-1	Aug 07 2024	12 months	Sujoy K Biswas	Cardiological Society of India	10,00,000.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
2	FASAL 2.0 – National Crop Yield Forecasting Platform	7855787719	Dec 05 2024	36 months	Agnimitra Biswas	Ministry of Agriculture and Farmer's Welfare	50,40,000.00
3	Remote heart rate and SpO2 determination using RGB camera feed	7043153582-2	Jan 01 2025	12 months	Umapada Pal	HIOF Ostfold University College, Norway	5,30,000.00

Ongoing Projects

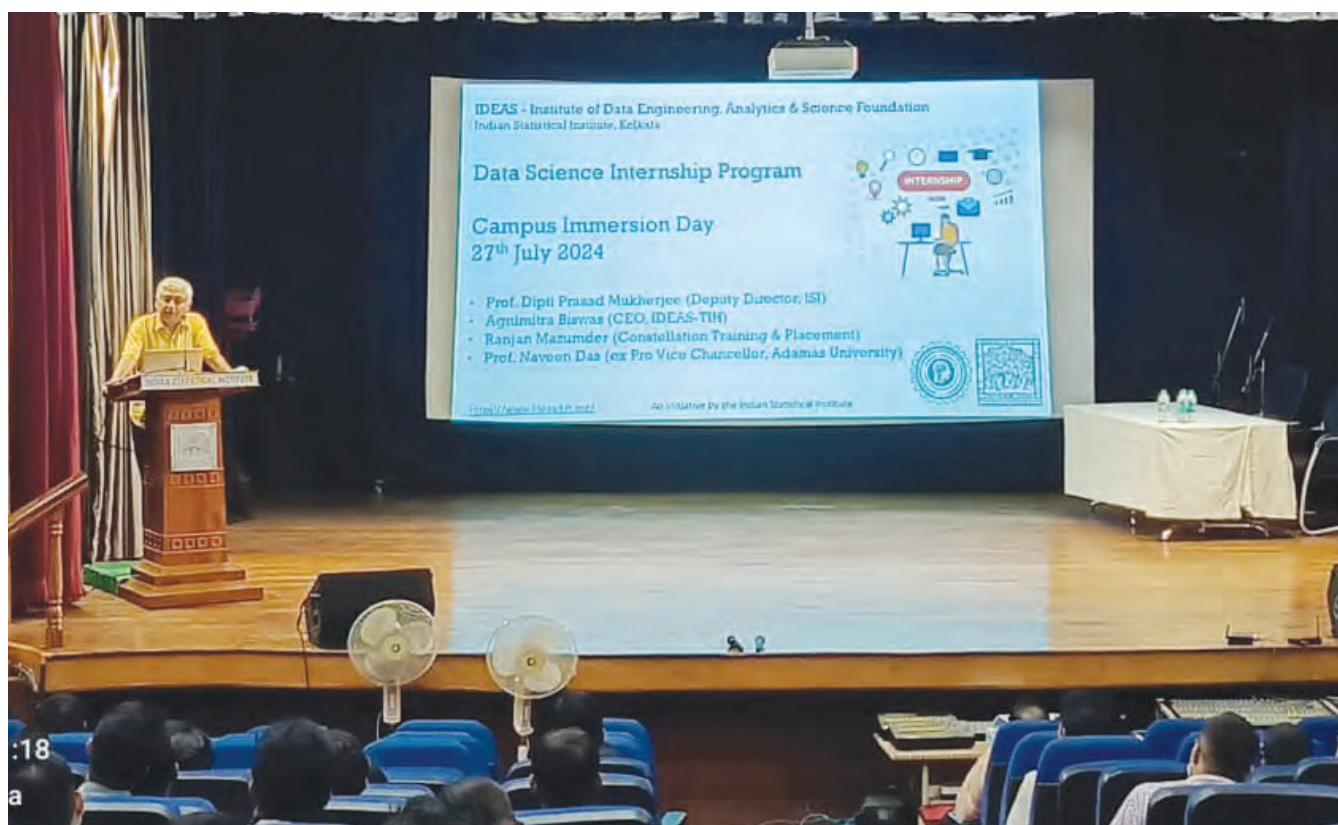
Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1.	Detecting behavioural health disorders of older adults using self supervised learning and casual reasoning	7043153582-3	Sep 15 2022	3 years	Sandip Chakraborty (PI) IIT Kharagpur; Prof. Suchetana Chakraborty (Co-PI) IIT Jodhpur	DST	69,90,400.00
2.	Development of data science methods for cyber-physical system (14 ongoing projects under the Spoke)	7043153582-4	Jul 26 2022	3 years	Swapan Kumar Ghorai (BITS MESRA)	DST	1,00,00,000.00
3.	Multi-Modal Smart NLD for Human-Wildlife Conflict Mitigation	7043153582-5	Feb 12 2023	2 years	Joydev Chattopadhyay (ISI Kolkata)	DST	51,28,000.00
4.	Design and development of an Augmented Reality-based Real-time IP Core for an Advanced driver-assistance visualization system under hazy and rainy weather conditions	7043153582-6	Jun 23 2023	3 years	Hatiram Nenavath (IIT Bhilai)	DST	27,04,000.00
5.	Prediction of Walking Imbalance and Performance Improvement of Designed Prosthetic Lower Limb	7043153582-7	Jun 22 2023	2 years	Dalia Nandi (IIIT Kalyani)	DST	30,56,000.00
6.	Physics Aware AI/ML Tool for Spatiotemporal Root Zone Soil Moisture Estimation	7043153582-8	Oct 09 2023	2 years	Sarmistha Singh (Indian Institute of Technology Palakkad)	DST	41,00,000.00
7.	Generalized Tampering Detection in Media (GTDM)	7043153582-9	Oct 09 2023	2 years	Abhijit Das and Dr Aitra Mukherjee (BITS Pilani Hyderabad Campus)	DST	39,52,240.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
8.	Precision Spraying Tool for Orchards Using LiDAR and Deep Learning	7043153582-10	Dec 15 2023	1 year	Bharat Lohani (IIT Kanpur)	DST	40,60,000.00
9.	Design and development of a communication system for the speech and hearing disorder persons	7043153582-11	Dec 15 2023	3 years	Himangshu Sarma (IIIT Sri City)	DST	43,03,760.00
10.	Upatto – Data Engineering platform for data analytics and model building	7043153582-12	Jan 01 2024	2 years	Diptendu Dutta (IDEAS TIH)	DST	1,00,00,000.00
11.	XInsight – Get explainable visual insights from your data and models	7043153582-13	Jan 01 2024	2 years	Diptendu Dutta (IDEAS TIH)	DST	60,00,000.00
12.	Clinical translation of real-time intra-operative prediction of cancer resection margin using SPiDr	7043153582-14	Jan 04 2024	2 years	Subhasish Sarkar (College of Medicine Sagor Dutta Hospital)	DST	49,00,000.00

Completed Projects

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
1.	Traffic Surveillance: Overspeed Detection and License Plate Recognition	7043153582-15	Jan 01 2022	3 years	Umapada Pal (ISI Kolkata)	DST	27,00,000.00
2.	Data Curation for video surveillance and precision agriculture datasets	7043153582-16	Jul 19 2022	3 years	Vahida Attar (COEP, Pune)	DST	80,00,000.00
3.	Learning Time-Varying Network Structure from Sparse Epidemiological Data	7043153582-17	Sep 13 2022	2 years	Ashish Ranjan Hota (PI) IIT Kharagpur	DST	38,00,000.00
4.	Data Driven Learning to Cache in Large Network	7043153582-18	Sep 13 2022	3 years	Abhishek Sinha (Tata Institute of Fundamental Research Mumbai)	DST	30,00,000.00
5.	Software Reliability and Security Risk Assessment: Modelling and Algorithms	7043153582-19	Sep 13 2022	3 years	Susmita Ghosh and Jamuna Kanta Singh (Jadavpur University)	DST	66,00,000.00

Sl.	Name of the Project	A/C No	Starting Date	Duration	Principal Investigator(s)	Funding Agency	Sanctioned Amount
6.	Networked Adaptive Traffic Signal Control in IoT-Enabled Smart Cities	7043153582-20	Sep 14 2022	2 years	Dhish Kumar Saxena and Amit Agarwal (IIT Roorkee)	DST	52,92,000.00
7.	Integration of Multiomics Data using Deep Neural Networks: Feature Extraction, Association Mining, Big Data Realization and Privacy Preservation	7043153582-21	Sep 16 2022	3 years	Rajat K. De (Indian Statistical institute, Kolkata)	DST	40,00,000.00
8.	Smart Wearable Device for Early Prediction and Alerting of Epilepsy	7043153582-22	Jul 12 2023	3 years	E. Grace Mary Kanaga (Karunya Institute of Technology and Sciences)	DST	29,72,520.00
9.	Synthetic Data Generation: Protecting Individual Privacy and Statistical Properties	7043153582-23	Oct 09 2023	2 years	Palash Ghosh (IIT Guwahati)	DST	36,32,000.00
10.	Estimating Wide-Area Inertia of the Indian Power Systems using Synchrophasor Measurements	7043153582-24	Dec 15 2023	16 months	Trapti Jain (IIT Indore)	DST	19,45,040.00



Chapter

4

Awards & Recognitions





Science Academy Fellowships: 7

National : 4
International: 3



Awards: 15

- AWM-AMS Emmy Noether Lecturer: 1
- ASHG Resource Limited Country Award: 1
- C.R. Rao Chair Professor: 1
- The Mahalanobis Memorial Medal: 1
- Infosys Prize 2024 for Mathematical Sciences: 1
- INSA Distinguished Lecture Fellow Award (IDL-2) in Engineering & Technology: 1
- Others: 9



Awards & Recognitions

Members of the Faculty of this Institute have been recognized, both nationally and internationally, for their contributions to research and other academic activities. Like every other year, some faculty members have received prestigious awards and honours, in recognition of their excellence in their areas of expertise. Many of them have been elected members of learned societies while many others have taken up the academic responsibility of serving the editorial board of prestigious national and international peer reviewed journals. Their achievements are highlighted below.

4.1 Science Academy Fellowships

FELLOW, clima TRACES LAB, UNIVERSITY OF CAMBRIDGE

Malay Bhattacharyya, MIU, Kolkata

April 2024

FELLOW, INDIAN ACADEMY OF SCIENCES

Sushmita Mitra, MIU, Kolkata

April 2024

FELLOW, INTERNATIONAL ARTIFICIAL INTELLIGENCE INDUSTRY ALLIANCE

B. S. Daya Sagar, SSIU, Bangalore

April 2024

FELLOW, THE WAST (FELLOWSHIP OF WEST BENGAL ACADEMY OF SCIENCE & TECHNOLOGY)

Utpal Garain, CVPRU, Kolkata

June 2024

FELLOW, WEB INTELLIGENCE ACADEMY

Sankar Kumar Pal, CSCR, Kolkata

2024

FELLOW, INDIAN NATIONAL SCIENCE ACADEMY

B. S. Daya Sagar, SSIU, Bangalore

2024

J C BOSE FELLOWSHIP

Arup Bose, SMU, Kolkata

2024-2027



4.2 Awards

KUZNETS VISITOR Farzana Afridi, EPU, Delhi	April 2024
PAIRED EARLY CAREER FELLOWSHIP FOR APPLIED RESEARCH, INDO GERMAN SCIENCE AND TECHNOLOGY CENTRE Sujeet Kumar Singh, SQCORU, Hyderabad	2024
PRIME MINISTER EARLY CAREER RESEARCH GRANT, ANRF Soumendu Sundar Mukherjee, SMU, Kolkata	2025
RESEARCH SUPPORT FROM CORE RESEARCH GRANT, SERB Anisur Rahaman Molla, CSRU, Kolkata	October 2024
VISITING RESEARCH FELLOW, SCHOOL OF PSYCHOLOGY AND CLINICAL LANGUAGE SCIENCES, UNIVERSITY OF READING, UK Niladri Sekhar Dash, LRU, Kolkata	December 2024-December 2027
ASHG RESOURCE LIMITED COUNTRY AWARD, AMERICAN SOCIETY OF HUMAN GENETICS Raghunath Chatterjee, HGU, Kolkata	2024
AWM-AMS EMMY NOETHER LECTURER, ASSOCIATION FOR WOMEN IN MATHEMATICS AND THE AMERICAN MATHEMATICAL SOCIETY Neena Gupta, SMU, Kolkata	2025
C.R. RAO CHAIR PROFESSOR, SCHOOL OF MATHEMATICS AND STATISTICS, MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA Arup Bose, SMU, Kolkata	September 2024-August 2026
GLOBAL EXCELLENCE AWARD FOR RESEARCH WORK, IEM-UEM Sabyasachi Bhattacharya, AERU, Kolkata	2025
GOLD MEDAL, MASTER'S IN MUSEOLOGY, CU Avik Kumar Das, Library, Kolkata	2024
INFOSYS PRIZE 2024 FOR MATHEMATICAL SCIENCES, INFOSYS SCIENCE FOUNDATION Neena Gupta, SMU, Kolkata	2025
INSA DISTINGUISHED LECTURE FELLOW AWARD (IDL-2) IN ENGINEERING & TECHNOLOGY Sankar Kumar Pal, CSCR, Kolkata	2024
SHERA BANGALI, ABP ANANDA Sanghamitra Bandyopadhyay, MIU, Kolkata	2024
SOCIAL CHOICE AND WELFARE PRIZE, SOCIETY FOR SOCIAL CHOICE AND WELFARE, FRANCE Souvik Roy, ASU, Kolkata	2024
THE MAHALANOBIS MEMORIAL MEDAL, INDIAN ECONOMETRIC SOCIETY Souvik Roy, ASU, Kolkata	2024

4.3 Honours & Recognitions

ARUP BOSE, SMU, KOLKATA

INSA nominated Member, Science Education Panel of the three National Academies; 2022-2024
Indian National Science Academy, Council Member; 2023-2025

B. S. DAYA SAGAR, SSIU, BANGALORE

IEEE GRSS Distinguished Lectureship, IEEE Geoscience and Remote Sensing Society; 2020-2024

JAGADISH, SQCORU, BANGALORE

Best Paper Award, 4th International Conference on Modelling Simulation and Optimization, 2024

KALPANA T M, LIBRARY, CHENNAI

Best Paper Award (Co-Authored), International Conference on AI – Driven innovations in Academic and Research Librarianship; 2025

KHUSBOO AGGARWAL (RASHMI BARUA'S PH.D. STUDENT) & ASHMITA MEHRA, CECFEE, DELHI

Best Ph.D. And Masters' Thesis Papers, EfD.; 2024

MOUTUSHI CHATTERJEE, SQCO&RU, BANGALORE

Merit Paper Award International Conference On Emerging Trends at Business Analytics and Management Sciences, IIT Bombay; 2025

SHIVANI WADEHRA et al., CECFEE, DELHI

Peter Berck's Best Discussion Paper Award, Household Waste Sorting; 2024

SANJUKTA ROY, MIU, KOLKATA

Best Poster Award; AAAI, 2025

SANKAR KUMAR PAL, CSCR, KOLKATA

INAE Engineers' Day Lecture at Academy of Technology, Hooghly, West Bengal, Indian National Academy of Engineering, Kolkata Chapter; 2024

85th Acharya J.C. Bose Memorial Lecture on the 108th Foundation Day of Bose Institute, Bose Institute, Kolkata; 2024

Featured as one of the ten examples out of 31000 Commonwealth Scholars whose stories of impact and leadership are mentioned in the Special anniversary edition of Common Knowledge (Issue # 17, November 2024): Celebrating the impact and legacy of Commonwealth Scholarships (UK) since 1960., Commonwealth Scholarships Commission (UK); 2024

AICTE Distinguished Chair Professor, AICTE; Since 2021, continued in 2024-2025

Scholar-in-Residence (to mentor AI and Data Science Research), IIT Jodhpur; Since 2019, continued in 2024-2025

Adjunct Professor, Atal Bihari Vajpayee – Indian Institute of Information Technology and Management, Gwalior, Atal Bihari Vajpayee – Indian Institute of Information Technology and Management, Gwalior; Since 2024

SANTANU K. MAITI, PAMU, KOLKATA

Enlisted among the top two percent of scientists worldwide, Database compiled by Scientists of Stanford University; 2024

SHREYA KARMAKAR, GSU, KOLKATA

Associate, Indian Academy of Sciences; 2021-2024, 2024-2027

TRIDIB KUMAR MONDAL, GSU, KOLKATA

Associate West Bengal Academy of Science and Technology ; 2024

4.4 Membership

ANISUR RAHAMAN MOLLA, CSRU, KOLKATA

ACM Professional : ACM; 2024-25

AVIK KUMAR DAS, LIBRARY, KOLKATA

Individual : International Council of Museums; 2025

Life Member : Museum Association of India; 2024

B. S. DAYA SAGAR, SSIU, BANGALORE

Member : Honors & Recognition Committee, American Geophysical Union; 2024

FARZANA AFRIDI, EPU, DELHI

Member : Ministry of Fisheries, Animal Husbandry and Dairying; 2024

HARI CHARAN BEHERA, SRU, KOLKATA

Member, Governing Council : Indian National Confederation and Academy of Anthropologists, 2024-26

JAGADISH, SQCORU, BANGALORE

Life Membership : Indian Society for Quality; 2024

JIBAN K. PAL, LIBRARY, KOLKATA

Committee Member : Re3data-CoREF Project; 2022-2025

Elected Member : Board of Directors, FORCE11; 2024-2027

KISHOR CHANDRA SATPATHY, LIBRARY, KOLKATA

Life Member : Indian Traditional Knowledge and Science Society; 2024

Trustee & Life Member : RLB Foundation, Kolkata; 2024

Board Member : The Centre for Excellence on Empathy, Equity & Diversity, Canada; 2022-2025

KUNTAL GHOSH, MIU, KOLKATA

Eminent Scientist : Member of the Executive Council of Bidhan Chandra Krishi Viswavidyalaya; 2025-2029

MONALI MITRA PALADHI, LIBRARY, KOLKATA

Executive Committee Member : Indian Association of Special Library & Information Centre; 2023-2025

Member : The Research Data Alliance, US; 2019-2025

SANJUKTA ROY, MIU, KOLKATA

Member : AISB (as part of EurAI); 2024-2025

SANKAR KUMAR PAL, CSCR, KOLKATA

Member : Advisory Committee, Bennett University, Greater Noida, Uttar Pradesh; 2024-2025.

Expert Committee, Centre for New Methods in Computational Diagnostics and Personalized Therapy (SANO), Poland; 2024-2025.

Governing Council, Brainware University, West Bengal; 2025.

Technical Advisory Group, Biotechnology Industry Research Assistance Council, DBT, Govt. of India; 2024-2025.

Vice President : International Artificial Intelligence Industry Alliance, Hong Kong; 2024-2025.

SAUDAMINI DAS, CECFEE, DELHI

INSEE Fellow : Indian Society for Ecological Economics; 2024

SUMANA GHOSH, ECSU, KOLKATA

Member : Association for Computing Machinery; 2025-2027
Institute of Electrical and Electronics Engineers; 2025-2026

SUPARNA MANDAL BISWAS, AERU, KOLKATA

Life member : International Allelopathy Society; 2024

TRIDIB KUMAR MONDAL, GSU, KOLKATA

Life Member : European Geosciences Union; 2024
Member : International Association for Structural Geology & Tectonics; 2024

4.5 Editorial Assignments

ABHAY GOPAL BHATT, StatSU, DELHI

Editor : Probability and Stochastic Processes: A volume in honour of Rajeeva L. Karandikar

ARUP KUMAR DAS, SQCORU, KOLKATA

Mathematical Reviews : American Mathematical Society, 2017-2025

ANTAR BANDYOPADHYAY, SMU, DELHI

Member, Editorial Board : Little Mathematical Treasures, Ramanujan Mathematical Society and Universities Press; 2012-2025

Associate Editor : Calcutta Statistical Association Bulletin; 2022–2025
Journal of Statistical Planning and Inference, Elsevier; 2012-2025

Editor-in-Chief : Indian Statistical Institute Series; 2023-2025

Member, Editorial Board : Colombian Journal of Statistics; 2015-2025

ANUJ BHOWMIK, ERU, KOLKATA

Referee : Economic Theory Bulletin; 2024

ARINDAM CHATTERJEE, StatSU, DELHI

Associate Editor : Journal of Statistical Planning and Inference; 2019-2024

Executive Editor : Journal of Statistical Planning and Inference; 2025

ARUNAVA GOSWAMI, AERU, KOLKATA

Member, Editorial Board : International Journal of Therapeutic Innovation; 2023-2025

Subject Editor : Proceedings of National Academy of Science B; 2010-2025

ARUP BOSE, SMU, KOLKATA

Member, Advisory Board,
Proceedings of Mathematical

Sciences : Indian Academy of Sciences, Bengaluru; 2024-2027

Editor-in Chief : Random Matrix Theory and Applications; 2021-2025

ARUP KUMAR PAL, SMU, DELHI

Guest Editor : Infinite Dimensional Analysis, Quantum Probability and Related Topics (Special Commemorative Issue (I+II) in Honour of Professor K R Parthasarathy); 2023-2025

ATANU BISWAS, ASU, KOLKATA

- Editorial Board member : Calcutta Statistical Association Bulletin; 2024-2025
- Associate Editor : Communications in Statistics, Theory and Methods; 2024-2025
- : Communications in Statistics, Case Studies Data Analysis and Applications; 2024-2025
- : Communications in Statistics, Simulation and Computation; 2024-2025
- : Statistics & Probability Letters; 2024

B V RAJARAMA BHAT, SMU, BANGALORE

- Member, Editorial Board : Annals of Functional Analysis; 2010-2025
- : Journal of the Ramanujan Mathematical Society; 2013-2025
- : Indian Journal of Pure and Applied Mathematics; 2017-2025
- : Newsletter of the Ramanujan Mathematical Society; 2019-2025
- Managing Editor : Infinite Dimensional Analysis, Quantum Probability and Related Topics; 2021- 2025
- Member, Advisory Board : Proceedings of the Indian Academy of Sciences-Mathematics; 2022-2024

BISWABRATA PRADHAN, SQCORU, KOLKATA

- Associate Editor : Journal of the Indian Society for Probability and Statistics; 2021-2025

CHETAN GHATE, EPU, DELHI

- Editor : Indian Growth and Development Review; 2008-2025

DEBASHIS PAUL, ASU, KOLKATA

- Associate Editor : Electronic Journal of Statistics; 2024
- : Journal of the American Statistical Association; 2024-2025

DEBASIS MISHRA, EPU, DELHI

- Associate Editor : Social Choice and Welfare; 2024-2025
- : Games and Economics Behavior; 2024-2025

DEBDIP GANGULY, SMU, DELHI

- Reviewer : Math Annalen
- : Journal of Geometric Analysis
- : Advances in Mathematics
- : Cambridge Journal of Mathematics
- : Mathematische Nachrichten
- : Proceedings of the Royal Society of Edinburgh. Section A. Mathematics

DEEPAYAN SARKAR, StatSU, DELHI

- Associate Editor : Indian Journal of Pure and Applied Mathematics; 2024-2025

DIBAKAR GHOSH, PAMU, KOLKATA

- Editorial Member : Scientific Reports
- : Chaos
- : Pramana - Journal of Physics
- Executive Editorial Board : Journal of Physics: Complexity

E. SOMANATHAN, EPU & CECFEE, DELHI

- Co-Editor, Environment and Development Economics : Cambridge University Press ; 2024

E V GIJO, SQCORU, BANGALORE

Editorial Advisory Board Member : International Journal of Lean Six Sigma
 : International Journal of Quality and Reliability Management

FARZANA AFRIDI, EPU, DELHI

Associate Editor : Journal of Behavioral and Experimental Economics

GOUTAM KUMAR PAUL, CSRU, KOLKATA

Associate Editor : SN Computer Science (Springer); 2019- 2024

INDRANEEL DASGUPTA, ERU, KOLKATA

Co-Editor : Journal of South Asian Development; 2024-2025

ISHA DEWAN, STATSU, DELHI

Associate Editor : Journal Indian Statistical Association; 2024-2025

Reviewer : SPL, Communications, JISA, Stat Papers

JAYDEB SARKAR, SMU, BANGALORE

Editor : Indian Journal of Pure and Applied Mathematics; 2022-2024

: Quaestiones Mathematicae; 2022-2024

: Proceedings - Mathematical Sciences; 2023-2024

JIBAN K. PAL, LIBRARY, KOLKATA

Member, Editorial Board : Re3data; 2024-2025

Associate Editor : Frontiers in Research Metrics and Analytics; 2024

KISHOR CHANDRA SATPATHY, LIBRARY, KOLKATA

Reviewer : Journal of Scientometric Research; 2024

: International Journal of Library and Information Services (IJLIS); 2024

: T&F-F1000Research; 2023-2025

Editor : CEEED Newsletter, Canada; 2025

Assistant Editor : International Journal of Humanities and Education Research; 2023-2025

MAHUYA DATTA, SMU, KOLKATA

Editor : Proceedings Mathematical Sciences; 2022-2025

MALAY BHATTACHARYYA, MIU, KOLKATA

Section Editor : Human Computation; Since 2018

Senior Associate Editor : ACM Transactions on Probabilistic Machine Learning; Since 2024

MANDAR MITRA, CVPRU, KOLKATA

Member, Editorial Board : Foundations and Trends in Information Retrieval; 2022-2025

Member, Program Committee : ACM SIGIR; 2024-2025

MATHEW C. FRANCIS, CSU, CHENNAI

Associate Editor : Indian Journal of Discrete Mathematics; 2024-2025

MATHEW JOSEPH, SMU, BANGALORE

Associate Editor : Sankhya A

MENDEM BAPUJI, LRU, KOLKATA

Associate Editor : Indian Journal of Applied Linguistics

MOHAMMED ZAFAR ANIS, SQCORU, KOLKATA

Associate Editor : IAPQR Transactions; 2021-2025

MONALI MITRA PALADHI, LIBRARY, KOLKATA

Associate Editor : Indian Association of Special Libraries and Information Centres; 2023-2025

MONISANKAR BISHNU, EPU & CECFEE, DELHI

Associate Editor, Economic Modelling : Elsevier; 2024
 : Journal of Asian Economics

Review Editor, Frontiers in
 Political Science : Frontiers Media S.A; 2024

NILADRI SEKHAR DASH, LRU, KOLKATA

Member, Editorial Board : SN Social Sciences; 2020-2024
 : Interdisciplinary Journal of Linguistics; 2022-2024
 Editor-in-Chief : International Journal of Translation; 2024
 Indian Journal of Applied Linguistics; 2024

PRABAL RAY CHAUDHURI, EPU, DELHI

Editor : Indian Growth and Development Review

PRADIPTA BANDYOPADHYAY, SMU, KOLKATA

Editor : Indian Journal of Pure & Applied Mathematics; 2022-2024

PRADIPTA MAJI, MIU, KOLKATA

Associate Editor : Sadhana, Springer; 2019-2025
 Pattern Recognition, Elsevier; 2024
 Executive Editor : Data-Centric Engineering, Cambridge University Press; 2021-2024

PRASUN DAS, SQCORU, KOLKATA

Member, Editorial Board : Journal of Reliability and Statistical Studies; 2024

RAGHUNATH CHATTERJEE, HGU, KOLKATA

Member, Editorial Board : Frontiers in Genetics; 2021-2025
 : European Journal of Medical Research; 2024
 : Scientific Reports; 2024

RITABRATA MUNSHI, SMU, KOLKATA

Editor : Math Annalen
 : Journal of RMS
 : Hardy-Ramanujan Journal

RITUPARNA SEN, ASU, BANGALORE

Associate Editor : Sankhya Series B; 2016-2025
 Journal of the Indian Statistical Association; 2020-2025
 Statistics and Applications,; 2024-2025
 Editor : Applied Stochastic Models in Business and Industry; 2021-2025

SABYASACHI BHATTACHARYA, AERU, KOLKATA

Reviewer : Journal of Theoretical Biology; 2024-2025
 : Mathematical Biosciences; 2024-2025
 : Ecological Modelling; 2024-2025

SAMIK BASU, SMU, KOLKATA

Editor : Indian Journal of Pure and Applied Mathematics; 2025

SANGHAMITRA BANDYOPADHYAY, MIU, KOLKATA

Associate Editor : IEEE Transactions on Artificial Intelligence; 2021-2025

SANJUKTA ROY, MIU, KOLKATA

Publication Chair : PReMI, Springer; 2025

SANKAR KUMAR PAL, CSCR, KOLKATA

Executive Advisory Editor : International Journal of Approximate Reasoning (Elsevier); 1994-2025
 : International Journal of Computational Science and Engineering (InderScience); 2011-2025
 : International Journal of Business Intelligence and Data Mining (InderScience); 2017-2025.
 : Data-Centric Engineering (Cambridge Univ. Press); Since 2020

Associate Editor : Information Sciences (Elsevier); 2000-2025
 : Fuzzy Sets and Systems (Elsevier); 2003-2025
 : Int. J. Pattern Recognition and Artificial Intelligence (World Scientific); 2003-2025
 : LNCS Trans. on Rough Sets (Springer); 2003-2025
 : Journal of Data, Information and Management (Springer); 2018-2025
 : Engineering Applications of Artificial Intelligence (Elsevier); 2021-2025
 : Journal of Computational and Cognitive Engineering (Bon View Pub.); 2023-2025

Book Series Editor : Frontiers in Artificial Intelligence and Applications (FAIA), IOS Press, Netherlands; 2007-2025
 : Statistical Science and Interdisciplinary Research (World Scientific, Singapore); 2008-2025

SANTANU K. MAITI, PAMU, KOLKATA

Member, Editorial Board : Scientific Reports (Nature Portfolio); 2024

SAUDAMINI DAS, CECFEE, DELHI

Editor, Ecological Economics : Elsevier; 2024

SHUBHRA SANKAR RAY, MIU, KOLKATA

Associate Editor : Sadhana; 2019-2025

SHYAMAL KRISHNA DE, ASU, KOLKATA

Associate Editor : Sankhya Series B
 : Sequential Analysis

SHYAMOLINA GHOSH, AERU, KOLKATA

Editor : Ecological Monographs; 2024

SUBHAJIT DUTTA, ASU, KOLKATA

Associate Editor : Sankhya, Series A & B, Springer; 2025-2028

SUDHEESH KUMAR KATTUMANNIL, ASU, CHENNAI

Associate Editor : Communications in Statistics - Theory and Methods
 : Communications in Statistics - Simulation and Computation
 : Journal of Indian Statistical Association

SUJATA GHOSH, CSU, CHENNAI

Member, Editorial Board : Logics; 2022-2024

SUMANTA GHOSH, ACMU, KOLKATA

Sub-reviewer : STOC; 2024
: RANDOM; 2025

SUSHMITA MITRA, MIU, KOLKATA

Associate Editor : Information Sciences; 2008-2025
: IEEE/ACM Transactions on Computational Biology and Bioinformatics; 2010-2025
: Wiley Interdisciplinary Data Mining and Knowledge Discovery; 2013-2025
: Neural Networks; 2025
: IEEE Transactions on Fuzzy Systems; 2025

SWAGATAM DAS, ECSU, KOLKATA

Associate Editor : Information Sciences; 2010-2025
: Neurocomputing; 2013-2025
: Pattern Recognition; 2017-2025
: IEEE Transactions on Cybernetics; 2020-2025
: IEEE Transactions on Evolutionary Computation; 2022-2025
: IEEE Transactions on Neural Networks and Learning Systems; 2023-2025

SWAGATO KUMAR RAY, SMU, KOLKATA

Editor : Proc. Indian Acad. Sci. Math. Sci.

SWAPAN RANA, PAMU, KOLKATA

Associate Editor : Quantum Information Processing; 2024-2025

UMAPADA PAL, CVPRU, KOLKATA

Editor-in-Chief : Springer Nature Computer Science; 2024-2025
Associate Editor : Pattern Recognition Journal; 2024-2025
: Pattern Recognition Letters Journal; 2024-2025
: IEEE Transactions on Emerging Topics in Computational Intelligence; 2024-2025
: ACM Transactions on Asian and Low-Resource Language Information Processing; 2024-2025
: The International Journal on Document Analysis and Recognition; 2024-2025

UTPAL GARAIN, CVPRU, KOLKATA

Associate Editor : Int. J. of Doc. Anal. Recog.; 2011-2025
: Sadhana; 2019-2025

YOGESHWARAN D, SMU, BANGALORE

Associate Editor : Infinite Dimensional Analysis and Quantum Probability
: Journal of Applied and Computational Topology

Chapter

5

Publications

APA Referencing Style format has been used for enlistment of the institute publications. Book references and articles published in Book Chapters, Conference Proceedings and Journal articles appear alphabetically by Author name(s) for 2024 followed by 2025 under each Division. Names in bold denote ISI faculty.

Total No. of
Publications:



5.1 BOOKS PUBLISHED

Computer and Communication Sciences Division (CCSD)

1. Halim A. H. A. , **Das S.**, Ismail I., (October 2024), Into a Deeper Understanding of Evolutionary Computing: Exploration, Exploitation, and Parameter Control, vol. 2, Springer, vol. Emergence, Complexity and Computation (ECC, Vol. 51), p1-320, <https://doi.org/10.1007/978-3-031-75577-4>. [ECSU, Kolkata]
2. Halim A. H. A., **Das S.**, Ismail I. (July 2024), Into a Deeper Understanding of Evolutionary Computing: Exploration, Exploitation, and Parameter Control, Springer, Emergence, Complexity and Computation (ECC, vol. 50), p1-312, <https://doi.org/10.1007/978-3-031-74013-8>. [ECSU, Kolkata]

Library, Documentation and Information Science Division (LDISD)

3. Taher, M., Hathiyani, A., & **Satpathy, K. C.** (Eds.). (March 2025), A Strategic Guide to Enhancing Empathy, Equity and Diversity: Tools and Templates for Designing, Implementing, and Measuring Inclusive Campaigns, Toronto: The Centre for Excellence on Empathy, Equity and Diversity, p1-390. 978-1738867806. <https://www.amazon.com/Strategic-Enhancing-Empathy-Equity-Diversity/dp/1738867803/> [Library, Kolkata]
4. Pratap Simha Netaji, **Kalpana T M** (June 2024), Setting up of Business Entities: A Ready Reckoner, Notion Press, India, p1-254, 979-8894157207. [Library, Chennai]

Statistical Quality Control and Operations Research Division (SQCORD)

5. Manjunath Patel G. C., Ajith B. S., **Jagadish**, Arun Kumar Shettigar, Olusegun David Samue (April 2024), Biofuel Production, Performance, and Emission Optimization: A Comprehensive Approach to Modelling and Optimization, Springer, p210-210, <https://doi.org/10.1007/978-3-031-84806-3>. [SQCORU, Bangalore]

Social Sciences Division (SSD)

6. **Bapuji, M.**, & Mohanty, P. (January 2025), A Descriptive Grammar of Ollari Gadaba, Lincom Europa, p350-360, 143. [LRU, Kolkata]

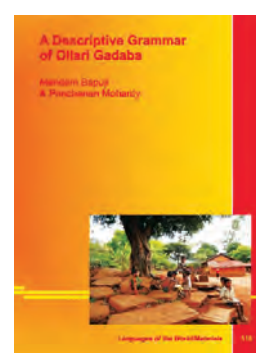
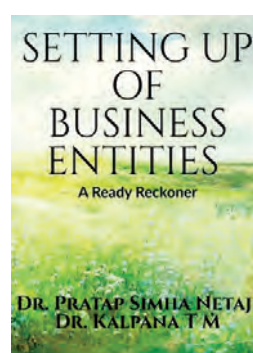
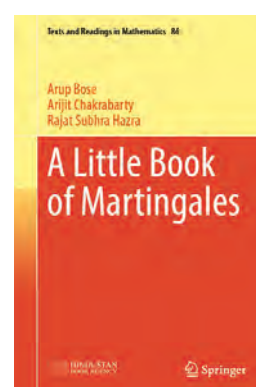
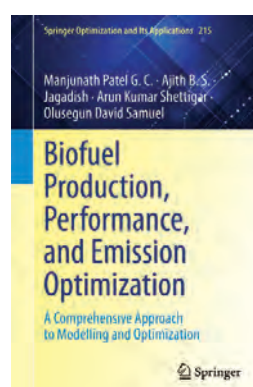
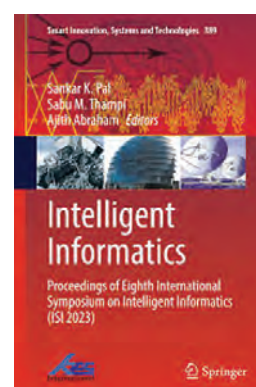
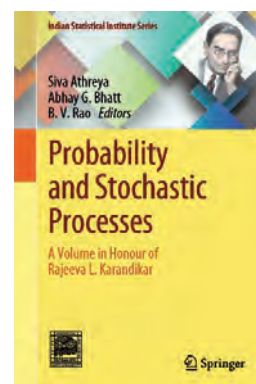
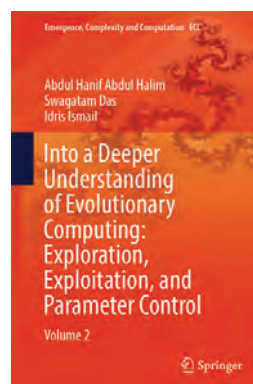
Theoretical Statistics and Mathematics Division (TSMD)

7. Bose, Arup., **Chakrabarty, Arijit.**, & Hazra, Rajat Subhra (April 2024), A Little Book of Martingales, Springer, Singapore, <https://doi.org/10.1007/978-981-97-4472-5>. [SMU, Kolkata]

CENTRES

The Center for Soft Computing Research (CSCR)

8. **Pal, Sankar Kumar**, Thampi, S. and Abraham, A. (Eds.) (October 2024), Intelligent Informatics, Springer, Berlin, Vol. 389, <https://doi.org/10.1007/978-981-97-2147-4>. [CSCR, Kolkata]



5.2 Publications In Journal

Biological Sciences Division (BSD)

1. Ghosh, Saibal; Banerjee, Sonali; Prajapati, Jyoti; **Mukherjee, Abhishek**; Bhattacharyya, Pradip; (November 2024), Appraisal of Mica-Based Potassium Mobilizing Bacterial Biofertilizers: Revolutionizing Soil Fertility and Plant Growth Employing Multi-Machine Learning Models, *Communications in Soil Science and Plant Analysis*, <https://doi.org/10.1080/00103624.2025.2492888>. [AERU, Kolkata]
2. Ghosh, Saibal; Mondal, Sandip; Mandal, Jajati; **Mukherjee, Abhishek**; Bhattacharyya, Pradip; (May 2024), Effect of metal fractions on rice grain metal uptake and biological parameters in mica mines waste contaminated soils, *Journal of Environmental Sciences*, <https://doi.org/10.1016/j.jes.2022.10.038>. [AERU, Kolkata]
3. **Mukherjee, Abhishek**; Das, Sristi; Dutta, Suvasri; Mondal, Sandip; (May 2024), Advancements in Nematode Management: Exploring Machine Learning in Precision Agriculture, *Indian Journal of Nematology*, p106-113. [AERU, Kolkata]
4. Das, Sristi; Dutta, Suvasri; Ghosh, Saibal; **Mukherjee, Abhishek**; (June 2024), Chitinolytic microorganisms for biological control of plant pathogens: A Comprehensive review and meta-analysis, *Crop Protection*, <https://doi.org/10.1016/j.cropro.2024.106888>. [AERU, Kolkata]
5. Walia, Raman K; Gaur, Hari S; **Mukherjee, Abhishek**; (February 2025), Potato cyst nematodes: Diaspora in India, from introduction and current status to future predictions using MaxEnt analysis, *Nematology*, <http://dx.doi.org/10.1163/15685411-bja10402>. [AERU, Kolkata]
6. Mondal, Sandip., Purohit, Arnab., Hazra, Anjan., Das, Sampa., Chakrabarti, Manohar., Matiyar Rahaman Khan, Horacio Lopez-Nicora, Chakraborti, Dipankar., **Mukherjee, Abhishek** (December 2024), Intraspecific variability of rice root knot nematodes across diverse agroecosystems for sustainable management, *Scientific Reports*, <https://doi.org/10.1038/s41598-024-73980-x>. [AERU, Kolkata]
7. Kunda, Pranamita., Mondal, Sandip., De, Debjit., Kumar, Paltu., **Mukherjee, Abhishek** (December 2024), Alteration of Rice Root Endophytic Bacterial Community Composition by Meloidogyne graminicola and Identification of Potential Biocontrol Agent, *Annals of Microbiology*, <https://doi.org/10.1186/s13213-024-01789-0>. [AERU, Kolkata]
8. Sahoo, Panchanan; Nandi, Sourav Kumar; Das, Mandira; Kundu, Sudip; Roy, Riya; Bag, Sayan Kumar; Kole, Kanchan Kumar; Thakur, Arunabha; Ghosh, Jiten; **Mukherjee, Abhishek** (August 2024), GSH-pH dual-responsive engineered codoped Prussian blue multimodal theranostic nanoplatfrom induces TP53 deregulated apoptotic death of MDA-MB-231 with enhanced T1-T2W MRI, *ACS Applied Nano Materials*, <https://doi.org/10.1021/acsnm.4c05556>. [AERU, Kolkata]
9. Herta, Toni, **Bhattacharyya, Aritra.**, Hippenstiel, Stefan., Zahlten, Janine (March 2025), The role of KLF4 in phagocyte activation during infectious diseases, *Frontiers in Immunology*, <https://doi.org/10.3389/fimmu.2025.1584873>. [HGU, Kolkata]
10. **Bhattacharyya, Aritra**, Yadav, Preeti, Bhattacharya, Mallar (February 2025), Myeloid-Mesenchymal Cross-talk in Lung Fibrosis, *Comprehensive Physiology*, <https://doi.org/10.1002/cph4.70004>. [HGU, Kolkata]
11. **Bhattacharyya, Aritra.**, Khan, Ranjha., Joanna Y Lee, Gizachew Tassew, Babak Oskouian, Maria L Allende, Richard L Proia, Xiaoyang Yin, Javier G Ortega, Bhattacharya, Mallar, Saba, Julie D (April 2024), Gene therapy with AAV9-SGPL1 in an animal model of lung fibrosis, *Journal of Pathology*, <https://doi.org/10.1002/path.6256>. [HGU, Kolkata]
12. Mitra, I., Mondal, S., Basu, S., Paul, S., Meheub, K., **Goswami, A.** and Ganguly, T. (November 2024), Photophysics of a newly synthesized dyad and its nanocomposite forms in a chloroplast setting, *Indian Journal of Physics*, <https://doi.org/10.1007/s12648-024-03466-z>. [AERU, Kolkata]
13. Sil, M., & **Goswami, A.** (March 2025), Exploring the functionality of mesoporous silica nanoparticles as a prebiotic agent., *Antonie van Leeuwenhoek*, <https://doi.org/10.1007/s10482-025-02071-2>. [AERU, Kolkata]
14. Chattopadhyay, S., **Goswami, A.**, & Sil, M. (March 2025), Nanobiotechnology: traditional reinterpreting personalized medicine through targeted therapies and regenerative solutions, *Naunyn Schmiedeberg's Archives of Pharmacology*, <https://doi.org/10.1007/s00210-025-04038-6>. [AERU, Kolkata]
15. **Goswami, A.**, Ratnaparkhi, P., Sil, M., Goswami, A., Mukherjee, N. and Polikarpov, I., (June 2024), Design and development of robust and precision personalized

- medicine, *Current Science*, Not Applicable. [AERU, Kolkata]
16. Sil, M., Mitra, D., Mukherjee, N., Gadani, M., Chatterjee, A., Sharma, P. and **Goswami, A.** (June 2024), Therapeutic Role of Probiotics in Gut-Brain Axis Under Microgravity, *Indian Journal of Microbiology*, <https://doi.org/10.1007/s12088-024-01314-6>. [AERU, Kolkata]
 17. Hessel, V., Mukherjee, S., Mitra, S., **Goswami, A.**, Tran, N. N., Ferlin, F., Vaccaro, L., Galogahi, F.M., Nguyen, N.T. and Escribà-Gelonch, M (July 2024), Sustainability of Flow Chemistry and Microreaction Technology, *Green Chemistry*, 10.1039/D4GC01882F. [AERU, Kolkata]
 18. Mukherjee, D., Sil, M., **Goswami, A.**, Bhattacharya, D., Nag, M., Lahiri, D., ... & Verma, R (January 2025), Synthesis, Modification and Antimicrobial Potential of Biochar and its Modifications against Water-borne Pathogens: A Review, *Results in Surfaces and Interfaces*, <https://doi.org/10.1016/j.rsufi.2025.100438>. [AERU, Kolkata]
 19. Sil, M., Ghosh, R., Adhikary, A., Ray, M., **Goswami, A.**, Adak, S., ... & Bose, R. (January 2025), Evaluating the Impact of Nanoporous MCM41 Insecticide on *Sitophilus oryzae* (L.): Physiological and Molecular Level., *Journal of Crop Health*, <https://doi.org/10.1007/s10343-024-01098-1>. [AERU, Kolkata]
 20. Mukherjee, N., Ghosh, A., **Goswami, A.**, & Sil, M. (February 2025), Carbon nanotubes: Basics and applications in agriculture, *Carbon Nanotubes in Agriculture*, <https://doi.org/10.1016/B978-0-443-19047-6.00007-2>. [AERU, Kolkata]
 21. Goswami, P., **Goswami, A.**, Sil, M., Chatterjee, I., Ray, M., Goswami, A., Ghosh, S., Ghosh, S., Das, S. & Chakraborty, S (December 2024), Comparative study of anti-staphylococcal efficacy: traditional homeopathic dilutions vs. nano-enhanced *Rhus Tox* formulations, *Beni-Suef University Journal of Basic and Applied Sciences*, <https://doi.org/10.1186/s43088-024-00585-8>. [AERU, Kolkata]
 22. Mukherjee, D., Sil, M., Bhattacharya, D., Lahiri, D., **Goswami, A.**, & Nag, M. (December 2024), Green-Synthesized Nanoparticles: An Alternative to Conventional Nanoparticles to Treat Microbial Biofilm, *BioNanoScience*, <https://doi.org/10.1007/s12668-024-01689-2>. [AERU, Kolkata]
 23. **Chattopadhyay, Joydev.**, Bandyopadhyay, Richik., Chattopadhyay, Joydev (September 2024), The impact of harvesting on the evolutionary dynamics of prey species in a prey-predator systems, *Journal of Mathematical Biology*, <https://doi.org/10.1007/s00285-024-02137-1>. [AERU, Kolkata]
 24. Maity, Biplab., Banerjee, Swarnendu., Senapati, Abhishek., Jon Pitchford, **Chattopadhyay, Joydev** (March 2025), Coupling plankton and cholera dynamics: insights into outbreak prediction and practical disease management, *arXiv*, <https://doi.org/10.48550/arXiv.2503.21963>. [AERU, Kolkata]
 25. Paul, Ayan, Mukherjee, Tanoy, Saha, Bapi., **Chattopadhyay, Joydev** (March 2025), Non-lethal effects on the hunting strategy of predator: a data driven approach using classical mechanics and schedule of fear, *Theoretical Ecology*, <https://doi.org/10.1007/s12080-025-00612-z>. [AERU, Kolkata]
 26. Md Kausar Sk., Mandal, Arindam., **Chattopadhyay, Joydev** (January 2025), Tipping events in a fear-affected symbiotic ecological system with adaptive hunting strategy, *Chaos: An Interdisciplinary Journal of Nonlinear Science*, <https://doi.org/10.1063/5.0241236>. [AERU, Kolkata]
 27. Chowdhury, Suvranil., Sarkar, Susmita., **Chattopadhyay, Joydev** (January 2025), Modeling Cost-Associated Cooperation: A Dilemma of Species Interaction Unveiling New Aspects of Fear Effect, *arXiv*, <https://doi.org/10.48550/arXiv.2501.16522>. [AERU, Kolkata]
 28. Kayal, Kaushik., Samanta, Sudip., **Chattopadhyay, Joydev** (January 2025), Population oscillations in a three-species food chain model and their possible control: a Z-type control approach, *Afrika Matematika*, <https://doi.org/10.1007/s13370-025-01268-y>. [AERU, Kolkata]
 29. Ranjit, Buddhadev., Chattopadhyay, Arnab., Mandal, Arindam., Biswas, Santosh., **Chattopadhyay, Joydev** (February 2025), Beyond predation: Fish-coral interactions can tip the scales of coral disease, *Journal of Theoretical Biology*, <https://doi.org/10.1016/j.jtbi.2024.112031>. [AERU, Kolkata]
 30. Maji, Smarajit., Chowdhury, Tanmay., **Chattopadhyay, Joydev** (February 2025), Modeling buruli ulcer transmission: seir-sei analysis with immunity loss and arsenic contamination, *South East Asian J. of Mathematics and Mathematical Sciences*, 10.56827/SEAJMMS.2025.2101.14. [AERU, Kolkata]
 31. Nazmul Sk., Mandal, Sayan., Tiwari, Pankaj Kumar., **Chattopadhyay, Joydev** (December 2024), Exploring multistability and bifurcations in a three-species Smith growth model incorporating refuge,

- harvesting, and time delays, *The European Physical Journal Plus*, <https://doi.org/10.1140/epjp/s13360-024-05874-w>. [AERU, Kolkata]
32. Thapa, Avantika, Mukherjee, Tanoy., Pradhan, Aditya., **Chattopadhyay, Joydev** (August 2024), Understanding the prospects of human-wildlife coexistence: a conceptual framework, *Biodiversity and Conservation*, <https://doi.org/10.1007/s10531-024-02922-w>. [AERU, Kolkata]
 33. Kayal, Kaushik., Samanta, Sudip., Rana, Sourav., Karmakar, Sagar., **Chattopadhyay, Joydev** (April 2024), Impact of Predator-Driven Allee and Spatiotemporal Effect on a Simple Predator–Prey Model, *International Journal of Bifurcation and Chaos*, <https://doi.org/10.1142/S0218127424500469>. [AERU, Kolkata]
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5.3 Publications In Conference Proceedings

Computer and Communication Sciences Division (CCSD)

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 12. **Ghosh, Kuntal**, Das, Rajdeep, Chowdhury, Anjan, Chakraborty, Tapan (March 2025), SPGMS: an annotated benchmark for grain-matrix segmentation in sandstone photomicrographs, Proc. SPIE 13558, Eighth International Conference on Video and Image Processing (ICVIP 2024), 135580F, <https://doi.org/10.1117/12.3059126>. [MIU, Kolkata]
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Statistical Sciences Division (StatSD)

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Theoretical Statistics and Mathematics Division

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◆ Collaborative Publications

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5.4 Publication In Book Chapters

Biological Sciences Division (BSD)

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Computer and Communication Sciences Division (CCSD)

2. Patel, R., Acharjya, A., Patel, P., Sivaiah, B., Choudhary, R. and **Meher, Saroj K.** (August 2024), "Explainable AI in medical image processing for healthcare", in A. A. Kamaraj and D. P. Acharjya (eds) *Explainable Artificial Intelligence in Healthcare Systems*, p235-254, <https://doi.org/10.52305/GOMR8163>. [SSIU, Bangalore]
3. Sagnika, S., Mishra, B. S. P. and **Meher, Saroj K.** (August 2024), "A Unified Deep Learning Framework for Sentiment Analysis of Reviews", In: H. Das, A. A. Acharya, K.C. Li (Eds) *Intelligent Technologies. Studies in Computational Intelligence*, vol. 1167, Springer, Singapore, p25-54, https://doi.org/10.1007/978-981-97-5204-1_2. [SSIU, Bangalore]

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Social Sciences Division (SSD)

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10. **Chakraborty, Bratisankar** (October 2024), *Tariff that Exports Unemployment: Home Market Effect Meets Shapiro and Stiglitz, International Trade, Resource Mobility and Adjustments in a Changing World*, Springer Nature Singapore Pte Ltd., p325-338, <https://doi.org/10.1007/978-981-97-5652-0>. [ERU, Kolkata]
11. **Swaminathan, Madhura** (January 2025), *Public Action and Food Security in India: Report from a Participant Observer, Social Scientists in the Civic Space: Ethical Perspectives on Democratic Involvement*, London and New York, Routledge, p117-136. [EAU, Bangalore]
12. **Swaminathan, Madhura** (December 2024), *The Costs of Financial Inclusion, Development Transformations and the Human Condition, India*: Routledge, p288-301. [EAU, Bangalore]
13. Das, S., **Maiti, R.**, Bharati, P., & Pal, M. (April 2024), *Infant, Neonatal and Maternal Mortality in ASEAN Countries: A Panel Data Analysis, Public Health and Nutrition: The South Asian and Southeast Asian Landscape*, Springer, Singapore, vol. 1(19), p273-294. [ERU, Kolkata]

Statistical Sciences Division (StatSD)

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The Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE)

15. **Karnad, Divya** (July 2024), *Marine Fisheries, The Oxford Handbook of Environmental and Natural Resources Law in India*, vol. 5, p427-442, <https://doi.org/10.1093/oxfordhb/9780198884682.013.25>. [CECFEE, Delhi]

5.5 The Official Publication of ISI, Sankhyā

1. A Brief Overview

The internationally renowned journal Sankhyā was founded by Professor P. C. Mahalanobis in 1932. This quarterly journal, with ISSN 0976-8378, is devoted to original research articles in Applied Statistics, Mathematical Statistics and Probability. Reviews and discussion articles on current research activity in the above areas are also published. A rigorous peer review process is followed for acceptance of articles submitted for publication in Sankhyā. Many seminal articles in Probability, Theoretical Statistics and Applied Statistics have appeared in Sankhyā.

The journal is published in two separate series – Series A and Series B.

Series A, with 2 issues per year (February and August) covers Probability & Theoretical Statistics.

Series B, with 2 issues per year (May and November) covers Applied and Interdisciplinary Statistics.

The Institute has been collaborating with Springer for printing and marketing the international edition of Sankhyā, in both prints and electronic editions. The editorial system is completely electronic, starting from submission to editorial processing and ending in final editorial decision for articles.

2. Editorial Board (as on 31 March 2025)

	Name & Affiliation
Editor in-Chief	Soumendra Nath Lahiri, Washington University in St. Louis, USA
Series A Editors	Alexander Aue, University of California, Davis, USA
	Kshitij Khare, University of Florida, USA
	Anirban Bhattacharya, Texas A&M University, USA
	Anish Sarkar, Indian Statistical Institute, Delhi, India
Series B Editors	Ranjan Maitra, Iowa State University, USA
	Snigdhanu Chatterjee, University of Maryland, Baltimore, USA
	Saonli Basu, University of Minnesota, USA
	Shyamal D. Peddada, NIEHS, NIH, USA
	Anil K. Ghosh, Indian Statistical Institute, Kolkata, India
Series A Technical Editors	Partha Sarathi Mukherjee, Indian Statistical Institute, Kolkata, India
	Shyamal Krishna De, Indian Statistical Institute, Kolkata, India
Series B Technical Editors	Abhik Ghosh, Indian Statistical Institute, Kolkata, India
	Suman Majumder, Indian Statistical Institute, Kolkata, India
Technical Support	Urmichhanda Bhattacharya, Indian Statistical Institute, Kolkata, India
Editorial Office Support	Ganesan Ramanna, Springer Journal's Editorial Office, Chennai, India

Both series of Sankhya have impact factors, and they are ranked by Journal Citation Indicator (JCI) in the subject category Statistics and Probability. They are abstracted/ indexed in Current Index to Statistics, EBSCO Discovery Service, Emerging Sources Citation Index, Google Scholar, JSTOR, Japanese Science and Technology Agency (JST), Mathematical Reviews, OCLC WorldCat Discovery Service, ProQuest-ExLibris Primo, ProQuest-ExLibris Summon, Research Papers in Economics (RePEc), SCImago, SCOPUS and zbMATH.

3. Issues Published

Regular Issues	Series A: Volume 86, Issue 2, August 2024 Volume 87, Issue 1, February, 2025
	Series B: Volume 86, Issue 1, May 2024 Volume 86, Issue 2, November, 2024
Special Issues (if any) with short description	Series A: Volume 86, Issue 1 Supplement D. Basu Centennial Volume: Contributions to Mathematical Statistics and Probability

SANKHYĀ

THE INDIAN JOURNAL OF STATISTICS

Edited by : P. C. MAHALANOBIS

VOLUME 2.

PART 1.

1935.

SANKHYĀ

The enchantment of rhythm is obviously felt in music, the rhythm which is inherent in the notes and their grouping. It is the magic of mathematics, this rhythm which is in the heart of all creation, which moves in the atom and in its different measures fashions gold and lead, the rose and the thorn, the sun and the planets, the variety and vicissitudes of man's history. These are the dance-steps of numbers in the arena of time and space, which weave the *maya* of appearance, the incessant flow of changes that ever is and is not. What we know as intellectual truth, is that also not a perfect rhythm of the relationship of facts that produce a sense of convincingness to a person who somehow feels that he knows the truth? We believe any fact to be true because of a harmony, a rhythm in reason, the process of which is analysable by the logic of mathematics.

RABINDRANATH TAGORE

Chapter

6

Other Academic Activities



No. of Patents :

9

Filed : **5**

(International – 3, National – 2)

.....

Granted : **4**

(International – 1, National – 3)

No. of MoUs :

25

New : **5**

(International – 1, National – 4)

.....

Existing : **20**

(International – 7, National – 13)

No. of Visiting Scientists :

247

National : **158**

.....

International : **89**

No. of Research Associates

35

No. of Post-Doctoral Fellows:

21

No. of Inspire Faculty Fellowship :

9



6.1 Patents

IPRs Filed

Sl.	Title of Patent	Application No.	Date of Filing	Name of the Inventor(s)*	Status	Country name where filed	Division Unit, Location
1	Optimized Class Specific Embedding Generator and Multi-Branch Decoder Deep Network for Cardiac Structure Segmentation	FA/148/KOL/2024	May 09, 2024	Ashish Ghosh (TIH) , Sushmita Ghosh, Rahul Roy	Under review	USA	IDEAS-TIH, Kolkata
2	Method for Thermal Video Surveillance Based on Pyramidal Pooling Architecture	FA/156/KOL/2024	May 14, 2024	Ashish Ghosh (TIH) , Subudhi Badri, Manoj Kumar Panda, T. Veerakumar, Vinit Jakhetiya, S. Esakkirajan	Under review	USA	IDEAS-TIH, Kolkata
3	Deep Channel Attention Mechanism for Diabetic Retinopathy Detection	FA/236/KOL/2024	Jul 10, 2024	Ashish Ghosh (TIH) , Sushmita Ghosh, Abhiroop Chatterjee	Under review	USA	IDEAS-TIH, Kolkata
4	A Low-Pressure Biaxial Loading System with Real-Time Tracking of Fracture Formation in Solid Sample	202431088774	Nov 16, 2024	Sudhishna, Sourav Mondal, Tridib Kumar Mondal (GSU)	Under review	India	PESD, GSU, Kolkata
5	Method and System for Explaining Decision-Making Process of Model Detecting Atrial Fibrillation in Electrocardiogram Waves	202421052050	Mar 04, 2025	Saptarshi Saha, Pratyush Kumar Sahoo, Arijit Ukil, Trisrota Deb, Ishan Sahu, Kayapanda Muthana Mandana, Arpan Pal, and Utpal Garain (CVPRU)	Under review	India	CCSD, CVPRU, Kolkata

* Name in bold denotes ISI faculty

IPRs Granted

Sl.	Title of Patent	IPR No.	Grant Date	Name of the Inventor(s)*	Country name where filed	Division Unit, Location
1.	Method and System for contradiction Avoided Learning for Multi-class Multi-label Classification	US12038949B2	Jul 16, 2024	Arijit Ukil, Arpan Pal, Soumadeep Saha, Utpal Garain (CVPRU)	USA	CCSD, CVPRU, Kolkata

Sl.	Title of Patent	IPR No.	Grant Date	Name of the Inventor(s)*	Country name where filed	Division Unit, Location
2	AI based deterrent system for human animal conflict mitigation	202531017880	Oct 21, 2024	Joydev Chattopadhyay (AERU)	India	BSD, AERU, Kolkata
3	Efficient Segmentation of Tumours from Lung CT	558671	Jan 24, 2025	Sushmita Mitra (MIU)	India	CCSD, MIU, Kolkata
4	Method And System For Automated Classification of Coal Maceral	564232	Mar 28, 2025	Avinash Kumar Tiwary, Rashmi, Pratik Swarup Dash, Saurabh Kundu, Dipti Prasad Mukherjee (ECSU), Suman Ghosh (CSSC) , Souptik Mukhopadhyay	India	CCSD, ECSU & CSSC, Kolkata

* Name in bold denotes ISI faculty

6.2 Memorandum of Understanding-MoUs

Over the last several years, the Institute has been very actively pursuing institution-level collaboration in fields of mutual interest that has led to Memoranda of Understanding (MoUs) with a number of universities/academic institutions as well as industrial organisations. These MoUs range from collaborative research to research grants for students/faculty as well as student/faculty exchange programmes. At present, the Institute has new MoUs signed and some ongoing ones (both national and international) with the following institutions/ organisations:

1. New MoUs signed

Sl.	University/Institution/Organization	Country	Effective from	Duration
1	Tripura Institution for Transformation (TIFT), Agartala, Tripura	India	12.08.2024	03 years
2	M.S. Ramaiah University of Applied Sciences	India	19.12.2024	01 year
3	Research Advisory Services Agreement under Master Collaboration Agreement (TCS)	India	02.01.2025	01 year
4	Central Electricity Regulatory Commission	India	27.02.2025	06 months
5	Mitsui O.S.K. Lines, Ltd. (MOL)	Japan	28.04.2025	01 year

2. Continuing MoUs

A partial list of continuing MoUs is given below:-

Sl.	University/Institution/Organization	Country	Valid until
1	Tata Memorial Centre	India	Mar-27
2	Ramakrishna Mission Vivekananda Educational and Research Institute	India	Feb-25
3	CESC Limited	India	Jan-25
4	Moscow State University named after M.V.Lomonosov Tashkent Branch, Tashkent, Uzbekistan	Uzbekistan	Dec-27
5	Medclin Research Private Limited	India	Sep-26

Sl.	University/Institution/Organization	Country	Valid until
6	Tata Consultancy Services (Extension of Master Collaboration Agreement)	India	Oct-26
7	National Research University, Higher School of Economics	Russia	Aug-26
8	Springer Nature Singapore Pte Ltd.	Singapore	Sep-26
9	Coursera	United States of America	Perpetual
10	Ministry of Science & Technology and IDEAS – Institute of Data Engineering, Analytics and Science Foundation	India	Apr-26
11	Defense Research and Development Organisation (DRDO)	India	Oct-25
12	University of Groningen	Netherlands	Feb-25
13	University of Reading	England	Jun-24
14	Ramakrishna Mission Residential College, Narendrapur	India	Mar-26
15	Tata Steel Limited	India	Feb-25
16	The Institute of Cost Accountants of India	India	July-27
17	University of California	United States of America	Aug-27
18	MedGenome Labs Limited	India	Aug-26
19	Council of Scientific & Industrial Research (CSIR)	India	Feb-27
20	Ericsson India Pvt. Ltd.	India	Feb-25



6.3 Museums

6.3.1 Geology Museum

GENERAL INFORMATION	
Name of In-charge	Head, GSU, ISI Kolkata
Physical Address	Ground floor, Platinum Jubilee Building, ISI, Kolkata-700 108
Founded in	1962
Founded by	Pamela L. Robinson along with Sohan Lal Jain and Tapan Roy Chowdhury
Maintained by	Geological Studies Unit

Brief Overview

The Geological Studies Unit (GSU) has a Geology Museum that is unique, with a grand repository of terrestrial Mesozoic vertebrates of Gondwana discovered from the Indian subcontinent since 1957. The mounted skeletons of *Barapasaurus*, the Jurassic sauropod dinosaur, and *Hyperodapedon*, a Late Triassic archosauromorph index fossil, collected from Pranhita-Godavari Valley, southern India, and several display windows of a varied group of fossil vertebrates are the major attractions of the Museum. Diverse assemblages of Mesozoic and Cenozoic marine invertebrates are also housed in GSU. Recently, some Early Cenozoic marine vertebrates from western parts of India have also been collected by GSU Palaeontologists.

A repository and a Palaeontology laboratory are associated with the Geology Museum. As the specimens in the collection of the Geology Museum are delicate and fragile, they need regular maintenance, including preparation, lacquer coating, repairing and reshuffling, etc. Restoration work and fossil preparations are carried out at the Palaeontology Laboratory of GSU.

This is a unique museum with numerous holotypes and paratypes of Gondwana vertebrates of India. There is no other museum in India where so many holotypes of Mesozoic non-marine vertebrates are preserved.

The Geology Museum & associated lab have nearly 65 new taxa of fossil vertebrates and many invertebrates ranging from the Permian (~255 My) to Neogene (Miocene Epoch, 5 My) periods, exhibiting a spectacular display of fossilized organisms. All the fossil specimens housed here are unique, rare and irreplaceable.



Major Collections

Sl.	Name of Collection	Brief Overview of Collection
1	Mounted skeleton of <i>Barapasaurus tagorei</i>	<i>Barapasaurus</i> is a genus of basal sauropod dinosaur from Early Jurassic rocks of India.
2	Mounted skeleton of <i>Isisaurus colberti</i>	<i>Isisaurus</i> is a genus of titanosaurian dinosaur from the Late Cretaceous period of India.
3	Skeletal elements of <i>prosauropods</i> and <i>abelisaurids</i>	Prosauropods were large herbivorous dinosaurs of the Triassic and Early. <i>Abelisaurids</i> were carnivorous biped theropod dinosaurs. <i>Rahiolisaurus</i> is an abelisaurid which existed in India during the Late Cretaceous period.
4	Mounted skeleton of <i>Hyperodapedon huxleyi</i>	Rhynchosaurs are a group of extinct herbivorous Triassic archosauromorph reptiles with a unique dentition pattern.
5	Numerous skeletal elements of <i>Parasuchus hislopi</i>	Phytosaurs are an extinct group of large, mostly semiaquatic Late Triassic archosauriform reptiles having superficial similarity with the crocodiles.
6	Numerous skeletal elements of <i>Wadiasaurus indicus</i> and <i>Reschnisaurus cristarhynchus</i>	Kannemeyeriid dicynodont (non-mammalian synapsid) from the Middle Triassic (Yerrapalli Formation) of India.
7	<i>Endothiodon mahalnobisi</i> and related fauna	Various medium and small dicynodonts are known from Late Permian Kundaram Formation of India that includes <i>Endothiodon</i> .
8	<i>Pamelaria dolichotrachela</i> and <i>Yerrasuchus deccanensis</i>	<i>Pamelaria</i> is an extinct allokotosaurian archosauromorph reptile and <i>Yarasuchus</i> is an extinct genus of avemetatarsalian archosaur known from Middle Triassic of India.
9	Numerous skeletal elements of <i>Shringasaurus indicus</i>	<i>Shringasaurus</i> (meaning "horned lizard") is an extinct genus of allokotosaurian archosauromorph from the Middle Triassic (Anisian) of India.
10	Numerous skeletal elements of <i>Cherninia denwai</i> , <i>Paracyclotosaurs crookshanki</i> , <i>Eryosuchus rajareddy</i> , <i>Compsocerops cosgriffi</i> and <i>Panthisaurus maleriensis</i>	All temnospondyl amphibians known from various Triassic Formations of India.



Acquisitions

Name of Acquisition	Brief Overview
A new Sauropod partial axial skeleton (Vertebrate ribs), left ilium	The Jurassic Kota Formation of India is famous for its early sauropod diversity. A new recovery will add more unique information on this.
Multiple dinosaur trackways & five different types of moulds of dinosaur foot prints.	One of such huge ichno assemblages is reported for the first time from India.
Whale vertebrae and rib fragments	Discovery of Miocene whale fall fauna from India: Taphonomy and palaeoecology of a vertebrate-invertebrate assemblage.
Pleurotomariid gastropod	A new species of Talantodiscus (Family Pleurotomariidae Swainson, 1840) from the Late Jurassic of the Kutch, Western India.

New Initiative

- The systematic storage & checking the stock for the available published fossil specimens with a know-how of their physical location in the unit/in the institution.
- Preparation of a catalogue of all the fossil specimens housed in GSU/ISI.
- Digital Cataloguing of the fossil collections by putting details of the scientific information against Registration number/ field specimen number in parity with their physical repository location.
- Keeping a systematic record of all visits, including academic visits to the Geology Museum has been introduced.

Visitors

Many international and national experts as well as students of vertebrate palaeontology visit the Museum regularly to study the rare collections. The names of some paleontologists who collaborated with the faculty of the Geological Studies Unit, ISI and visited the Geology Museum during 2024-25 are given below.



List of visitors

Sl.	Name	Affiliation	Period of Visit
1	Abhiram Srivastava	Second-year undergraduate student of Virginia Tech University	August 5-14, 2024
2	Sulagna Sen	SRF, Dept of GG, IIT Kharagpur	December 9-13, 2024



6.3.2 Prasanta Chandra Mahalanobis Memorial Museum And Archives (PCMMM&A)

GENERAL INFORMATION	
Name of In-charge	Dr. Kishor Chandra Satpathy
GENERAL INFORMATION	
Address for communication with email	Amrapali, Indian Statistical Institute, 204 B.T. Road. Kolkata-700108. Email: museum@isical.ac.in
Year of Establishment	29th June, 1993
Museum Committee	1. Professor Dhurjati Prasad Sengupta (Chairman) 2. Dr. Paramita Das (Member) 3. Dr. Kishor Chandra Satpathy (Convenor)

Brief Overview of the Museum and Archives

Prasanta Chandra Mahalanobis Memorial Museum & Archives (PCMMM&A), founded in 1993, commemorates the life and contributions of Professor Prasanta Chandra Mahalanobis to statistics, economics, and planning. Originally housed in his former residence, “Amrapali,” on the Indian Statistical Institute’s Kolkata campus. The museum and archives highlight PCM’s life and works, including his contributions to the fields of statistics, economics, and planning in India. In addition, it contains his private collection of books and an assortment of rare photographs and documents. Primary objectives of the Prasanta Chandra Mahalanobis Memorial Museum & Archives are to collect, preserve, restore, display, disseminate, document of personal, administrative, and rare source materials associated with the life and legacy of Prof. Mahalanobis and the establishment of the Indian Statistical Institute, as well as the development of the Institute and statistical science in India. The museum holds belongings of PCM and his wife Nirmal Kumari Mahalanobis and the archival materials include official and personal documents, files, correspondence, scientific and literary papers, photographs, newspaper cuttings, diaries, and manuscripts related to Prasanta Chandra Mahalanobis and Nirmal Kumari Mahalanobis. These collections also includes audio-visual materials such



as sound recordings, film footage, negatives, and slides. There are approximately 3 lakh documents, with approximately 1.9 lakh having already undergone preservation treatments, depending on their condition. The digitization of documents began in 2007.

Presently the Museum & Archives has been shifted to the third floor of the library building temporarily for the renovation work of the existing museum building (Amrapali). The physical museum space is closed for the time being for the general visitors. With prior permission serious visitors can access the museum and archives. Also, PCMMM&A has a presence on virtual platforms (Instagram, Facebook & Twitter). General visitors can be reached through digital medium.

PCM Memorial Museum and Archives: Major Collections	
Name of Collection	Brief Overview of Collection
Manuscripts	3,00,000 Manuscripts (Typescript/ Handwritten)
Books	850
Records	89 (Accessioned & Digitized)
Spool	93 (Accessioned & Digitized)
Cassettes	101 (Accessioned & Digitized)
Photographs	7000 approx.
Negatives	7000 approx.
Slides	1236 (Documented & Digitized)
Artifacts	1464

* These numbers are subject to change as more photographs and other items are being found from the files during sorting.



Researchers Consulted PCMMM&A	
Name of Activity	Affiliation
Reference Services for Researchers and Scholars	<ul style="list-style-type: none"> Sutapa Malakar, Assistant Professor, Economics, East Calcutta Girls' College Prof. S. Ghosh, WBSES, Maulana Azad College Arka Ghatak, Research Scholar, IIT Guwahati Uttam Kumar Roy, DPD, NSSO Kolkata Koyel Chakraborty, DPD, NSSO Kolkata Atanu Hait, EnSD, NSSO Kolkata Dr. S. Barnreuther, Assistant Professor, Dept. of Social and Cultural Anthropology, University of Lucerne, Switzerland

Visitors of PCMMM&A	
Name of Activity	Name & Affiliation
Special Visitors of PCMMM&A	<ul style="list-style-type: none"> Shri Viraj Singh, Additional Secretary, MEA, GOI. Swami Uttmamananda, Ramkrishna Mission. Representatives from Wipro Archives. Faculty members, Computer and Informatics Centre, IIT, KGP. Dr. Amitava Ray, Neurosurgeon, Apollo Hospital. Dr Maroona Murmu, Associate Professor, Dept. of History, Jadavpur University, Kolkata. Dr. Ashwani Kumar Mishra, Professor of Biostatistics (NDDTC) AIIMS, New Delhi Professor Laxmi Kant Dwivedi, HOD, Dept. of Survey Research & Data Analytics, IIPS, Mumbai. Shri Arun Singhal (IAS), DG, National Archives of India, Ministry of Culture, GOI. Shri Naoroibam Raju Singh, DDG, National Archives of India, Ministry of Culture, GOI. Dr. Debanjan Chakrabarti, Director, East & NE India, British Council. Dr. Amrita Roy, Assistant Professor & Staff Physician, Dept. of Family Medicine, Queen's University. Professor Rajagopal Chattopadhyaya, Former Professor, Bose Institute. Dr. Guoying Zhao, Academy Professor of Computer Sc. & Engineering, University of Oulu, Finland. Professor Eryk Dutkiewicz, Associate Dean, Faculty of Engineering and Information Technology, University of Technology, Sydney.
School/Colleges/ Universities	<ul style="list-style-type: none"> Students and faculties from Sikkim University. Students and faculties from Royal Global University, Guwahati. Library Sc. students from Rabindra Bharati University, Kolkata. Students from Baranagar Vidyamandir. Students from GD Goenka school. Students Chittaranjan Colony Hindu Vidya Mandir. Library Science students and faculties from Manipur University. Students and faculties from NSOU. Faculty members of Computer & Informatics Centre, IIT KGP.

Major Activities during 2024-25	
Brief Overview	
1. Visitor Service	Apart from the special guest, a significant number of students and faculties from different school, colleges and universities visited PCMMM&A. Guided tour has been provided to a total number of 579 visitors.
2. Verification of Museum objects	Physical verification of museum object is completed.

Brief Overview	
3. Digitisation	Total no. of 4500 pages of archival files have been digitised.
4. In-house Exhibition	Commemorating Professor P.C. Mahalanobis' 131st birth anniversary on June 29th, 2024, an exhibition was designed to showcase lifelong relationship of mutual admiration between PCM and Rabindranath Tagore.
5. Reference Service	Provided archival materials to Birla Industrial and Technological Museum (BITM) under the aegis of the National Council of Science Museums (NCSM), Ministry of Culture, GOI, for the National Science and Technology Digital Archive of eminent Indian scientists of the pre- and post-colonial era.
6. Public Lecture	Dr. Sayori Ghoshal, Research Scholar, Dept. of Knowledge Systems & Collective Life, Max Planck Institute, Germany for the History of Science, Germany, delivered a talk on " <i>The Indian Expert: Statistics and Anti-colonialism in Late Colonial India</i> " on 23 July, 2024.
7. Stakeholders' Meeting	A stake holders' meeting titled "Archives in Action" was organised by PCMMM&A from 27th to 28th January, 2025 with collaboration of National Archives of India, Ministry of Culture, Govt. of India. The meeting was attended by 50 archivists from 15 states, representing prominent institutions of India.
8. Outreach Activities	<ol style="list-style-type: none"> 1. Prasanta Chandra Mahalanobis Memorial Museum & Archives (PCMMM&A) in collaboration with the Kolkata Centre for Creativity (KCC) curated "Verses and Variables", an exhibition showcasing rare photographs and letters exchanged between Rabindranath Tagore and Prasanta Chandra Mahalanobis as part of Celebrating Tagore, a three-day tribute to his legacy. 2. Prasanta Chandra Mahalanobis Memorial Museum & Archives (PCMMM&A) participated in the exhibition-cum-seminar on the theme "From Fields to Folk: A Journey through Rural Heritage" at the Indian Museum, Kolkata, during the AMI Arts Festival 2024 to celebrate "World Heritage Week" from 22nd to 29th November 2024 organized by Kolkata Centre for Creativity (KCC) in collaboration with the Indian Museum and the Paschimbanga Sangrahalaya Samiti.

6.4 Scientific Assignments

ABHIK GHOSH, ISRU, Kolkata

1. Invited Talk, Organizing an invited session & Chairing sessions, International Conference, 7th International Conference on Econometrics and Statistics (EcoSta 2024), Beijing Normal University, Beijing, China (Jul 16, 2024 to Jul 19, 2024).
2. Research Collaboration with Prof. Leandro Pardo, UCM Madrid, Research Collaboration, University Visit, Complutense University of Madrid, Spain (Nov 29, 2024 to Dec 07, 2024).

ABHIROOP MUKHOPADHYAY, EPU, Delhi

1. Science on the Move-Experiential Learning, Keynote, LEO Conference, Mohali, India (Apr 27, 2024).
2. Golden Jubilee distinguished Lecture, Human Capital in India: Lenses Old and New, Hyderabad, India (Aug 19, 2024).
3. Human Capital in India Lenses Old and New, International Conference on Economics and Public Policy (ICEP-II), Shillong, India (Oct 04, 2024).

4. Investing in "New" Human Capital for Transforming India, Vinod Chowdhury Memorial Lecture, Delhi (Oct 24, 2024).
5. The Paradigm of Economics in the Contextual World, 2nd Meeting of Young Minds in Frontier of Economics, Mumbai (Feb 19, 2025).
6. The "new" Human capital to leverage the demographic dividend of India, Mari Bhat Memorial Lecture, Mumbai (Feb 27, 2025).
7. Public Lecture, The "new" Human capital to leverage the demographic dividend of India, Chennai (Mar 28, 2025).

ANISH SARKAR, SMU, Delhi

1. First Collision Time of simple symmetric random walks, IISA 2024, Kochi (Dec 30, 2024).
2. Convergence to Brownian web for a drainage network model on a perturbed lattice, Recent Advances in Probability & Statistics, Mumbai (Jan 04, 2025).
3. Application of first collision time of random walks - convergence to the Brownian web, ISI-ISM-ISSAS 2025 Joint Conference, Tokyo (Mar 07, 2025).

ANISUR RAHAMAN MOLLA, CSRU, Kolkata

1. Steering Committee member, Conference Steering Committee member, International Conference on Distributed Computing and Intelligent Technology (ICDCIT), KIIT Bhubaneswar (Feb 01, 2024 to Jan 31, 2026).

ANTAR BANDYOPADHYAY, SMU, Delhi

1. Interacting Urn Schemes, 4th Italian Meeting on Probability and Mathematical Statistics, Rome, Italy (Jun 13, 2024).
2. A simple and solvable model of “Self-Organized Criticality (SOC)”, Conference on Probability Theory in Honour of Professor Rahul Roy, New Delhi (Oct 27, 2024).
3. Interacting Urn Schemes, Recent Advances in Probability and Statistics, Mumbai (Jan 01, 2025).
4. Some “de-preferential” attachment random graph models via preferential attachment, Coorg Conference on Probability and Stochastic Processes, Coorg (Mar 01, 2025).
5. Interacting Urn Schemes: A simple and solvable model of “Self-Organized Criticality (SOC)”, ISI-ISM-ISSAS Joint Conference, Institute of Statistical Mathematics, Tokyo, Japan (Mar 07, 2025).

ANUJ BHOWMIK, ERU, Kolkata

1. Invited Lecture, Bargaining-Equilibrium Equivalence, Ashoka University (Apr 17, 2024).
2. Equilibria in Abstract Economies with a Continuum of Agents with Discontinuous and Non-Ordered Preferences, European Workshop in Economic Theory, University of Manchester (Jun 19, 2024).
3. Caratheodory-Type Selection and Random Fixed Point Theorems for Discontinuous Correspondences, ICMPA 2025, Calcutta University (Feb 07, 2025).

ARINDAM CHATTERJEE, STATSU, Delhi

1. Statistical inference for networks using Snowball sampling, IISA 2024 Conference, Kochi (Dec 27, 2024).
2. Network sampling based prediction of subgraph counts and clustering coefficient in a Stochastic Block Model framework, Triennial Calcutta Symposium, Department of Statistics, University of Calcutta (Dec 30, 2024).

ARUNAVA GOSWAMI, AERU, Kolkata

1. Nano-medicine from homeopathic mother tincture, Seminar on Homeopathy Medicines- A new Frontier, Mahesh Bhattacharyya Medical College and Hospital (Dec 05, 2024).
2. Nano-medicine from plant secondary metabolites: A Novel Frontier, Indian, Medicinal Plants: Tradition, Science

& Innovation in drug discovery, Jadavpur University (Jan 21, 2025).

ARUP BOSE, SMU, Kolkata

1. Chief Guest and Plenary speaker, International Conference on Advances in Data Analytics & Official Statistics, Dept. of Stat., Savitribai Phule Pune Univ (May 24, 2024 to May 26, 2024).
2. Plenary speaker, National Mathematics Day, National Mathematics Day, IIT Bhilai (Dec 19, 2024).
3. Special Invited Lecture, Memorial session of P.K. Sen, International Indian Statistical Association Annual Conference, Kochi (Dec 28, 2024).
4. Plenary speaker, International Conference, Recent Innovations in Science & Technology: A perspective of Viksit Bharat, Deen Dayal Upadhyaya College, New Delhi (Mar 19, 2025 to Mar 20, 2025).

ARUP KUMAR DAS, SQCORU, Kolkata

1. Distinguished Speaker, Concept of Modeling and Issues in Computation in Dynamical System, International Conference On Non-Linear Analysis and Scientific Computing, ICNASC'24, Guntur, Andhra Pradesh (Sep 27, 2024).

ARUP KUMAR PAL, SMU, Delhi

1. Invited talk, Crystallization of quantized function algebras, Conference on Operator Algebra and Related Topics, IIT Bombay (Feb 28, 2025).

ASHOK SARKAR, SQCORU, Mumbai

1. Predictive Modelling using Machine Learning Algorithm, National Workshop on Python Programming with Machine Learning and Artificial Intelligence (WPMLAI), Trivandrum (Nov 20, 2024).

ATANU BISWAS, ASU, Kolkata

1. Sample Sizes required to estimate the protective efficacy of a vaccine when there is an unequal allocation of individuals across the vaccine and placebo groups, Eleventh Triennial Calcutta Symposium on Probability and Statistics, Kolkata (Dec 27, 2024).
2. A Generalized Pegram's Operator Based Autoregressive Process for Modelling Categorical Time Series, 2024 IISA conference, Cochin University of Science and Technology (CUSAT) (Dec 27, 2024).
3. A Generalized Pegram's Operator Based Autoregressive Process for Modelling Categorical Time Series., Advances of Interdisciplinary Statistics and Applications in AI and ML (AISAAM 2025), Shillong Meghalaya (Feb 21, 2025).

AYANENDRANATH BASU, ISRU, Kolkata

1. Invited Speaker, Academic Conference, EcoSta 2024, Beijing Normal University, Beijing, China (Jul 17, 2024 to Jul 19, 2024).
2. P. C. Mahalanobis Memorial Lecture, Science and Technology Congress, 7th Regional Science and Technology Congress, BCKV (Jan 14, 2025 to Jan 15, 2025).

B V RAJARAMA BHAT, SMU, Bangalore

1. Completely Positive Maps and Evolutions, School on Quantum Probability, Control and Engineering, Politecnico Di Milano, Italy. (May 10, 2024).
2. A minimal completion theorem and almost everywhere equivalence for quantum dynamical maps, 44th International Conference on Quantum Probability and Infinite Dimensional Analysis (in memory of K. R. Parthasarathy), Levico Terme, Italy (May 13, 2024).
3. Spectral radii for subsets of Hilbert C^* -modules and spectral properties of positive maps, The 29th International Conference in Operator Theory, Timisoara, Romania (Jul 05, 2024).
4. Dilation theory of quantum dynamical maps, IWOTA, University of Kent, UK (Aug 13, 2024).
5. Invited lecture, Four symmetries are enough? IIT Kanpur (Oct 18, 2024).
6. Four symmetries are enough? Ramanujan day celebrations, IIT Hyderabad (Dec 22, 2024).
7. Unitary orthonormal bases of finite dimensional inclusions, COART -2025, IIT Bombay (Feb 27, 2025).
8. Invited lecture, Invariants, Ahmedabad University (Mar 26, 2025).
9. Why square has no square root? Ganit Colloquium, IIT Gandhinagar (Mar 27, 2025).

B. S. DAYA SAGAR, SSIU, Bangalore

1. Delivered IEEE GRSS Distinguished Lecture, Mathematical in Geosciences and Geospatial Data Science, Young Professionals in Space 2024, IEEE Geoscience and Remote Sensing Society, Bogazici University, Istanbul, (Jul 13, 2024 to Jul 15, 2024).

BIKRAM MAHAPATRA, SOSU, Kolkata

1. Contributed Speaker, Presented a paper titled "Finance of Local Government Bodies and Status of Decentralization in West Bengal: A Statistical Review", International Conference on Advances in Data Analytics & Official Statistics, Dept. of Statistics, SPPU Pune (May 24, 2024 to May 26, 2024).

2. Resource Person, Speaker for the Hands on Sessions, Five-days Workshop on "Data Science Foundations: Survey sampling, Data Visualization and Official Statistics in North-East India", ICAFI University, Agartala, Tripura (Nov 11, 2024 to Nov 15, 2024).
3. Contributed Speaker, Presented a paper titled "Spatial Analysis of Socio-Economic Disparities in West Bengal: Insights from the Mission Antyodaya Dataset", Eleventh International Calcutta Triennial Symposium on Probability and Statistics, Dept. of Statistics, University of Calcutta and CSA (Dec 27, 2024 to Dec 30, 2024).

BISWANATH DUTTA, DRTC, Bangalore

1. Invited Talk, Linked Data Technology and glimpses of Applications in Libraries, National Conference on Global Trends in Libraries & Librarianship (KCLACON2024), Kerala (May 24, 2024).
2. Invited Talk, The LIS Profession in Data Management and some trends, Refresher Course on The Future of Libraries: Prediction and Trends in Library and Information Sciences, Madhya Pradesh (Jun 11, 2024).
3. Invited Talk, The India Experience: Spatio-Temporal KGs modeling, DataScientia Workshop Meeting, Italy (Sep 28, 2024).
4. Invited Talk, CODO: An Ontology based Data Model for COVID-19 Data Representation, Analysis, and Visualization, the ATAL-FDP on Leveraging Data Science for Sustainable Development: Strategies and Practical Applications, Bangalore (Dec 01, 2024).
5. Invited Talk, Library, Linked Data, and Some Glimpse of Applications, Refresher Course on Frontier of Information Management in LIS, Siliguri (Dec 17, 2024).
6. Invited Talk, Fundamentals of Data Web and State of Libraries, International Workshop on Semantic Techniques and Technologies for Data and Knowledge Representation (SemTech) with a theme Transforming Library Data into Global Knowledge, Bangalore (Jan 22, 2025).
7. Invited Talk, SPARQL and Service, International Workshop on Semantic Techniques and Technologies for Data and Knowledge Representation (SemTech) with a theme Transforming Library Data into Global Knowledge, Bangalore (Jan 23, 2025).
8. Invited Talk, Generative AI in Ontology Design, International Workshop on Semantic Techniques and Technologies for Data and Knowledge Representation (SemTech) with a theme Transforming Library Data into Global Knowledge, Bangalore (Jan 24, 2025).

9. Invited Talk, Data Management and Some Emerging Trends, National Conference on Digital Libraries and Information Systems (DLISBUOLA), Odisha (Mar 02, 2025).
10. International Editorial Board Member, BARTOC; 2023 – 2025.
11. Editorial Advisory Board Member, Journal of Information and Knowledge (Formerly SRELS Journal of Information Management); 2023 – 2025.
12. Secretary, International Society for Knowledge Organization (ISKO); 2023 – 2025.
13. Editorial Board Member, International Journal of Metadata, Semantics and Ontologies; 2023 – 2025.
14. Organizing Committee member cum Programme Committee member, IEEE International Conference on Semantic Computing; 2023 – 2025.
15. PhD Thesis Examiner, DSC External Member of University of Trento, Italy; 2023 – 2025.

BOBY JOHN, SQCORU, Bangalore

1. Resource Person, Statistical Data Analysis using R, Workshop on Research Methodology & Data Analysis, Karnataka Science and Technology Academy, Bangalore (Nov 29, 2024).
2. Resource Person, CART & Ensemble Learning using Python, Workshop on Data Analysis in Health Sciences, Prasanna School of Public Health, Manipal Academy of Higher Education, Manipal, Karnataka (Jan 09, 2025).

CHETAN GHATE, EPU, Delhi

1. Future Ready Indian Statistical System for a Viksit Bharat, Future Ready Indian Statistical System for a Viksit Bharat, Vigyan Bhawan (Feb 07, 2025).
2. Monetary Transmission and Labor Markets in India, 59th Annual TIES, BHU - Benares (Mar 04, 2025).

CRE RAJA, SMU, Bangalore

1. Matrices/Linear Transformations and Various Dynamical Notions, Capacity Development Programme, Cauvery College for Women, Trichy (Feb 28, 2025).

D. SAMPANGI RAMAN, SQCORU, Chennai

1. Nominated for Statistical methods for Quality, Data Analytics and Reliability Sectional Sub - committee at Bureau of Indian Standards, To review, update and develop new Indian Standards for the above mentioned topics, Review and development of Indian Standards on Quality, Data Analytics and Reliability, Bureau of Indian Standards (Jan 04, 2024 to Mar 31, 2025).

DARPA SAURAV JYETHI, TASU, North East

1. Land Restoration, Desertification & Drought Resilience, World Environment Day Special lecture, Online (Jun 13, 2024).

DEBARATI MUKHERJEE, GSU, Kolkata

1. Oral Presentation, The story of muscles — from Barapasaurus tagorei, the Jurassic sauropod dinosaur from India, Conference on Integrated Earth (CITE - 2024), IISER Pune, Maharashtra (Sep 01, 2024 to Sep 02, 2025).

DEBASHIS PAUL, ASU, Kolkata

1. Spectrum of sequential sample covariances with application to detecting structural changes under a spiked covariance model, SIMIS seminar series, online mode (Jul 24, 2024).
2. Spectra of sequential sample covariance matrices with application to detecting structural changes, International Indian Statistical Association Annual Conference, Kochi, India (Dec 30, 2024).
3. Limiting spectral distribution of a class of random commutator matrices, Recent Advances in Statistics and Probability, IIT Bombay (Jan 03, 2025).

DEBDIP GANGULY, SMU, Delhi

1. A Contemporary Course on Elliptic Partial Differential Equations, NCMW- ATM school, Bangalore (May 20, 2024).
2. Poincaré-Sobolev equations with the critical exponent and a potential in the hyperbolic space, AIMS Conference series on Dynamical Systems, Differential Equations and Applications, Abu Dhabi (Dec 16, 2024).
3. Scale-Dependent Poincaré inequalities and the stability of the Heisenberg Uncertainty Principle on the hyperbolic space, Frontiers Symposium in Mathematics 2025, Thiruvananthapuram (Jan 18, 2025).
4. L_2 -stability of the Heisenberg Uncertainty Principle on the hyperbolic space, Recent Advances in Nonlinear PDEs, Madras (Mar 13, 2025).

DEBAYAN PAKRASHI, ERU, Kolkata

1. Personalized Information Provision and the Take-Up of Government Benefits: Experimental Evidence from India, Keynote talk, RKMRC (Apr 06, 2024).

DIBAKAR GHOSH, PAMU, Kolkata

1. Origin of extreme events in dynamical systems, WE-Heraeus-Seminar on "Extreme Events: Identification, Analysis and Prediction", "Physikzentrum Bad Honnef", Hauptstrasse, Germany (Aug 20, 2024).

2. Co-existing dynamics of swarming and synchrony, National Symposium on Complex Dynamical Systems and Applications, BML Munjal University, Haryana (Nov 08, 2024).
3. Swarming in presence of predators, Conference on Topics in Complex Systems , Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT) Gandhinagar, Gujarat (Dec 07, 2024).

DIPTI PRASAD MUKHERJEE, ECSU, Kolkata

1. AI ML related use cases, Product Research Direction Workshop, Tata Steel, Jamshedpur (Apr 10, 2024).
2. Application-driven Graphical Models, International Conference - EAI-ICCIGAI-2024, KL University, Vijayawada (Jul 18, 2024).
3. Who will receive the pass? Workshop on Emerging Technologies, Brainware University, Barasat (Aug 20, 2024).
4. Challenges in Machine Learning, IETE EMINENCE 2024, IETE, Salt Lake, Kolkata (Nov 16, 2024).
5. Computing in the age of AI, Annual Regional Meet of ACM, TCS, Salt Lake, Kolkata (Nov 16, 2024).
6. Tutorial on Graph and Graph Neural Network in Computer Vision, IEEE Second International Conference on Computational Intelligence and Network Systems (CINS 2024), BITS Pilani, Dubai Campus (Nov 28, 2024).
7. Challenges in Machine Learning, ATAL-AICTE FDP Program on “Emerging Areas of Data Mining and Analytics”, DAITM, Patuli, Kolkata (Feb 05, 2025).
8. Predicting breast cancer grade from PET-CT modalities, Workshop on Understanding Cancer: Current and Emerging Concepts, Shiv Nadar Institute of Eminence, NCR Delhi (Mar 29, 2025).

E SOMANATHAN, EPU, Delhi

1. Master Lecture at the India Sustainable Growth Conference, London School of Economics, India Sustainable Growth Conference, LSE, UK (May 03, 2024).
2. Plenary panelist at the Institute of Economic Growth Conference on Building a Resilient Economy, India International Centre, Institute of Economic Growth Conference, India International Centre, New Delhi (Dec 07, 2024).
3. Keynote at the Annual Conference on Public Finance and Public Policy, CTRPFP, Centre for the Study of Social Sciences, Kolkata., Annual Conference on Public Finance and Public Policy, CTRPFP, Centre for the Study of Social Sciences, Kolkata, Kolkata (Jan 06, 2025).

4. Keynote at the Conference on Kerala and the World Economy at the Centre for Development Studies, Thiruvananthapuram, Conference on Kerala and the World Economy at the Centre for Development Studies, Thiruvananthapuram, CDS, Kerala (Mar 10, 2025) .

FARZANA AFRIDI, EPU, Delhi

1. Agricultural mechanization, Asian Development Bank Institute Conference on Agricultural Mechanization, virtual (Apr 28, 2024).
2. Clean energy, International Conference on Development Economics , Aix-en-Provence University (Jun 11, 2024).
3. Self-employment, 65th Annual Indian Society for Labor Economics Conference, ISEC Bangalore (Jan 10, 2025).

GOUTAM KUMAR PAUL, CSRU, Kolkata

1. Data Crunching for Crypto Attacks, Faculty Development Program on Data Analytics- Challenges and Opportunities, Kolkata, India (May 16, 2024).
2. An Overview of Quantum Machine Learning, Inaugural Lecture in the International Faculty Development Programme on Quantum Artificial Intelligence, Kolkata (Jun 24, 2024).
3. Connection between Cyber Security and Cryptography, Faculty Development Program on Bytes to Bits Navigating Cyber Security and Cryptography, Kolkata (Jun 26, 2024).
4. Quantum Computing Architectures, International Workshop on Quantum Technology Integration: Multidisciplinary Applications and Challenges, Woxen University, Hyderabad, India (Aug 01, 2024).
5. Quantum Myths and Classical Realities, Faculty Development Program on Generative AI and Quantum Computing, New Town, Kolkata, India (Sep 24, 2024).
6. Hash Functions and Blockchain, Faculty Development Program on Conceptual Blockchain: An Application Portfolio for college and university teachers, Dhanbad, India (Oct 23, 2024).
7. Characterization of Quantum Gate Noise Using Randomized Benchmarking, Quantum Computing Seasonal School, Bangalore, India (Nov 09, 2024).
8. Program Committee Member: International Conference on the Theory and Application of Cryptology and Information Security (ASIACRYPT); 2024.
9. Program Committee Member, International Conference on Cryptology in India (INDOCRYPT); Chennai (Dec 18-21, 2024).

GURUPRASAD KAR, PAMU, Kolkata

1. Is psi Epistemic theory at stake?, Observing a Century of Quantum Mechanics, IISER Kolkata (Dec 21, 2024).

HARI CHARAN BEHERA, SRU, Kolkata

1. Indian Knowledge System, Malaviya Mission-Teacher Training Programme of UGC, CIT (Online) (Apr 27, 2024).
2. Holistic and Multidisciplinary Education, NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) , IIT Patna (Online) (Jun 20, 2024).
3. Qualitative Data Measurement, coding and scaling, Five-Day workshop (Hybrid Mode) on Data Analysis in Research, Department of HSS, NIT Patna (Jul 11, 2024).
4. Bridging Health Divides: Unveiling Healthcare Disparities, Challenges and Crafting Collaborative Solutions” by Hari Charan Behera et al., EASA 2024- Doing and undoing with anthropology and in the Panel 108, “Biological approaches to health and environment”, Facultat de Filologia Aula 1.1, Barcelona (Jul 26, 2024).
5. Introduction to entrepreneurship, Refresher Course in Multilingualism and Curriculum Development (Interdisciplinary)’, Online (Aug 23, 2024).
6. How status hierarchies perpetuate or reduce inequality”, scheduled on 14th September 2024 in short term program in “Institution, Oranization and Management, MMTTC, UGC, IGNTU (Online) (Sep 14, 2024).
7. Nature and Distribution Pattern of Rural Migration in Jharkhand: A Comparative Analysis of Scheduled Tribes and Other Social Categories” in the Panel titled, Migration among scheduled tribes in India , The Indian Association of Social Science Institutions, 23rd IASSI Annual Conference, 25-27 October 2024, BIT Mesra, Ranchi (Oct 25, 2024).
8. Land leasing arrangements and performances in both the plateau and plain regions of the eastern Indian region, 8th India Land and Development Conference, FLAME University, Pune (Nov 07, 2024).
9. Qualitative Data Management, Measurement, Coding and Scaling”, The NEP-Orientation and Sensitization Programme, Online (Feb 12, 2025).

ISSAN PATRI, SMU, Delhi

1. Universal quantum homomorphisms, COART 2025, IIT Bombay (Feb 26, 2025).
2. Spaces of Noncommutative Spaces I, Special Lecture Series in Mathematics, IIT Kanpur (Mar 17, 2025).

3. Spaces of Noncommutative Spaces II, Special Lecture Series in Mathematics, IIT Kanpur (Mar 18, 2025).
4. Spaces of Noncommutative Spaces III, Special Lecture Series in Mathematics, IIT Kanpur (Mar 19, 2025).
5. Spaces of Noncommutative Spaces IV, Special Lecture Series in Mathematics, IIT Kanpur (Mar 20, 2025).
6. Spaces of Noncommutative Spaces V, Special Lecture Series in Mathematics, IIT Kanpur (Mar 21, 2025).

JAGADISH, SQCORU, Bangalore

1. Experimental investigation, Compressive strength of sustainable fiber-based geopolymer (SFBG) bricks through the Mixture design approach, 4th International Conference on Modelling Simulation and Optimisation (CoMSO-2024) , National Institute of Technology Silchar, Assam, India (Nov 17, 2024).
2. Distinguished Speaker, Introduction to Data Collection, Qualitative and Quantitative Data Collection & Classifications of Measurement Scales, FDP on “Research Methodology & Data Analysis”, Karnataka Science and Technology Academy, Department of Science and Technology, Bengaluru, Karnataka (Nov 27, 2024).
3. Guest Speaker, Application of Laplace Transformation in Engineering: Case Studies, One Day Lecture Chapter on the Application of Laplace Transformation in Engineering, Department of Electronics & Telecommunication Engineering, Bangalore Institute of Technology, Bangalore, Karnataka (Nov 30, 2024).
4. Session Chair, COMSOL 2024, National Institute of Technology, Silchar (November 21-23, 2024).
5. Statistical Data Analysis using R, One-day Workshop on Data Analysis using R & SPSS, Karnataka Arts, Science and Commerce College in Bidar, Karnataka (Jan 01, 2025).
6. Resource Person, Research Data Analysis using R Software, One Day workshop on “Research Data Analysis, Karnataka Veterinary, Animal and Fisheries Sciences University, Nandinagar, Bidar, Karnataka (Jan 02, 2025).
7. Resource Speaker, Advanced and Sustainable Manufacturing Technology, Faculty Development Program on “Advanced and Sustainable Manufacturing Technology,” from January 6th to 10th, 2025, Department of Mechanical Engineering, OP Jindal University, Punnjipathra, Raigarh (Jan 06, 2025).
8. Guest Speaker, Sustainability and Green Manufacturing in Industry 4.0 (Online Mode), Short-Term Training Program

on “Advances in Manufacturing in the Context of Industry 4.0, St. John College of Engineering and Management College in Palghar, Maharashtra (Feb 04, 2025).

9. External Examiner, Final viva voce of Ph.D scholar under VTU University, Ph.D Defense / Viva voce, Mechanical Engineering Department, Dr. Ambedkar Institute of Technology College in Bengaluru, Karnataka (Feb 18, 2025).
10. Statistical Analysis using R Software, Five Days Value Added Course on Data Analysis using R Software, Department of Mechanical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamil Nadu (Mar 28, 2025).

JAYDEB SARKAR, SMU, Bangalore

1. Invited lecture, Interpolation on the polydisc, IISER Kolkata (May 20, 2024).
2. Analysis, AFS III, IIST, Thiruvananthapuram (Jun 17, 2024).
3. Interpolation on the polydisc, The 29th International Conference in Operator Theory, Timisoara, Romania (Jun 30, 2024).
4. Pairs of isometries, WOTCA 2024, Maderia, Portugal (Jul 20, 2024).
5. An introduction to the invariant subspace problem, Recent Trends in Analysis and Allied Areas, University of Jammu (Sep 16, 2024).
6. Endowment lectures, Schur functions, University of Calicut (Oct 04, 2024).
7. Invited lecture, Series of three lectures, Shiv Nadar University IoE (Oct 12, 2024).
8. Invited lecture, An introduction to the invariant subspace problem, IIT Roorkee (Dec 12, 2024).
9. How Google, National Mathematics Day, IIT ISM, Dhanbad (Dec 22, 2024).
10. A crash course in calculus, International conference on Mathematics, Midnapore College, Midnapore College, WB (Jan 21, 2025).
11. How Google, Facets of basic science and applications, Bijoy Krishna Girls College, Howrah, WB (Jan 30, 2025).
12. Science Academies Lecture, How Google, Vasavi, Erode (Feb 01, 2025)

JIBAN K. PAL, LIBRARY, Kolkata

1. Visited KIT-North Campus Library, to attend the Re3data Editorial Board Meeting, held at Karlsruhe Institute of Technology, Baden-Württemberg, Germany (Jun 06, 2024 to Jun 08, 2024).

2. Presented a paper (jointly authored with D. Strecker) entitled Fostering Scholarly Infrastructure through PIDs to Mobilize the Science as an Open Enterprise: Lessons from Data-Repositories in India & Panelist, discussion on, National PID Strategies, International Conference on Persistent Identifiers (PIDfest 2024), National Library of Technology, Prague, Czech Republic (Jun 11, 2024 to Jun 13, 2024).
3. Delivered special lectures, Research Metrics and Publication Misconduct, for enabling the PhD Course Work on Research and Publication Ethics (RPE) , at the West Bengal State University (WBSU), Barasat (Jul 05, 2024).
4. Delivered invited talk & demonstrated hands-on training, Library Automation through ILMS Koha, in the Capacity Building Training Program for Public Library Personnel, organized by the National Mission on Libraries (NML), Ministry of Culture, Government of India; held at Raja Rammohun Roy Library Foundation (RRRLF), Salt Lake, Kolkata (Dec 27, 2024 to Dec 29, 2024).

KAJORI BANERJEE, PSU, Kolkata

1. High risk pregnancies and adverse birth outcomes in India, Population Statistics and Thematic Mapping, NATMO, Rashtriya Atlas Bhavan, 35, Salt Lake Bypass, GN Block, Sector V, Bidhannagar, Kolkata, (Jul 11, 2024).
2. The science of Effective Communication, IUSSP Flash Session at 6th APA Conference, Kathmandu, Nepal (Nov 25, 2024).
3. Effects of post-natal care delivered to low birth weight babies on nutrition outcomes in first five years of life in India, 6th Asian Population Association Conference, Kathmandu, Nepal (Nov 27, 2024).

KALPANA T M, LIBRARY, Chennai

1. Invited Talk - Webinar, Open Resources for Research, Open Odyssey, St. Anne's Arts and Science College, Madhavaram, Chennai (Jan 31, 2025).
2. Invited Talk - Webinar , Effective Report writing, Writing with Integrity – A webinar on avoiding Plagiarism in Academic Writing, Vimala College Thrissur in collaboration with Drillbit (Feb 25, 2025).
3. Invited Talk - Webinar , How to avoid Plagiarism in Content Writing, Plagiarism in Content Writing, Pace Institute of Technology and Sciences, Ongole in collaboration with Drillbit (Mar 15, 2025 to Aug 15, 2025).
4. Invited talk - Webinar , How to Avoid Plagiarism in Research Paper Writing, Plagiarism in Research Writing, DADI

Institute of Engineering and Technology, Vishakapattinam in collaboration with Drillbit (Mar 27, 2025).

KANISHKA KACKER, EPU, Delhi

1. Subsidies for solar based electricity generation: Evidence from India, Western Economic Association International, Seattle, USA (Jul 02, 2024).
2. Brain Drain on Home Terrain: Air Pollution and Institutional Quality - Evidence from Delhi, India, Energy and Development Seminar, Online (Sep 26, 2024).
3. Brain Drain on Home Terrain: Air Pollution and Institutional Quality - Evidence from Delhi, India, Transport, Energy and Climate Economics, University of Paris Dauphine, Online (Nov 06, 2024).

KAUSHIK JANA, SQCORU, Delhi

1. Invited talk title- Nonparametric quantile regression for time series with replicated observations and its application to climate data, Annual Conference of IISA, Cochin University of Science and Technology, Kochi (Dec 30, 2024).

KIRANMOY DAS, ISRU, Kolkata

1. Invited Speaker, 48. Bayesian quantile joint modeling with an application to acute lymphocytic leukaemia maintenance studies, IISA Conference, Kochi (Dec 28, 2024).
2. Invited Speaker, Bayesian quantile joint modeling of multivariate longitudinal and time-to-event data, International Conference of Bayesian Statistics, BHU (Jan 03, 2025).

KISHOR CHANDRA SATPATHY, LIBRARY, Kolkata

1. Invited Speaker & Guest of Honor, World Book Day celebration, World Book Day celebration, St. Paul's Cathedral Mission College Kolkata (Apr 08, 2024) .
2. Paper Presentation, Scholarly Publishing In Research Methodology Through Bibliometric Analysis (1902-2021), in the National Conference on "Emerging Library and Information Technologies"., at National Institute of Technology (NIT) Warangal, Telangana (Apr 26, 2024 to Apr 27, 2024).
3. Resource Person, Technological Advancement in Education system: Digital Education and New Provisions, Seminar on 'Technological Advancement in Education system: Digital Education and New Provisions', Dr. Raghuveer Singh Govt. College Sitamau, MP (May 28, 2024).
4. External Member, Library Committee, Aliah University (Jun, 2024).

5. External Expert, Digitization Committee, The Asiatic Society (Jul 10, 2024).
6. External Expert, University Library Committee, Symbiosis International (Deemed University), Pune (Jul 22, 2024-2027).
7. Paper presentation, History of Computing in India: Role of Prof Prasanta Chandra Mahalanobis and the Indian Statistical Institute, IFIP Human Choice and Computing Conference, International Federation for Information Processing (IFIP) in Phuket, Thailand (Sep 08, 2024 to Sep 10, 2024).
8. Invited speaker, India Rising: How Society Publishers can Prepare for the Coming Surge in Quality Submissions, ALPSP Annual Conference and Awards 2025, ALPSP, Hilton Manchester Deansgate, Manchester, UK (Sep 10, 2024 to Sep 12, 2024).
9. Resource Person , Changing Role of Libraries & Librarians, Refresher Course on 'The Future Libraries: Prediction and Trends in Library and Information Science'., UGC-Malaviya Mission Teacher Training Centre, Dr. Harisingh Gour Viswavidyalaya, MP (Nov 06, 2024 to Nov 20, 2024).
10. Invited speaker, Innovative Technologies in Librarianship: Challenges and Opportunities, 12th International Library Information Professional Summit (I-LIPS 2024), Galgotias University, Greater Noida (Nov 29, 2024 to Dec 01, 2024).
11. Invited speaker, Innovative Library Services/spaces The Central Library, Poornima College of Engineering, Jaipur, Rajasthan (Dec 05, 2024).
12. Paper presentation, Preserving the Past, Shaping the Future: Digital Strategies for Museum & Archives, International Seminar on Role of Museum in the development of Society and preservation of heritage, Himachal State Museum (Dec 10, 2024 to Dec 12, 2024).
13. Invited Speaker, Marching Beyond the Libraries: Leadership, Creativity and Innovation, International Conference on Marching Beyond the Libraries: Leadership, Creativity and Innovation, KIIT Deemed to be University, Bhubaneswar, Odisha (Dec 20, 2024 to Dec 21, 2024).
14. Resource Person, Evidenced-based Innovation on Contents, Technologies and Services for Next Generation, International Conference on Re-imagining Academic Libraries (ICRAL-2025) , Central Library in collaboration with Department of Library and Information Science, Tripura University (Jan 09, 2025 to Jan 11, 2025).
15. Chaired a technical session, Ethical Use of AI in Research and Role of Libraries, One Day National

Seminar sponsored by ICSSR N-W Region , Department Of Library & Information Science, Panjab University (Feb 24, 2025).

16. Resource Person, Leveraging Technologies for Library Services, National Conference on Leveraging Technologies for Library Services, Nagaland Library Association, Nagaland University, (Feb 27, 2025 to Mar 01, 2025).
17. Member, PNC of Turnitin Software, Maharaja Bir Bikram University Tripura (Nov 25, 2024).
18. Member, Library Committee of Netaji Subhas Open University, Kolkata (2024).
19. Member, IOP- Library Advisory Board, India (2023-2025).
20. Member, Departmental Advisory Board Meeting of Library and Documentation Division of NIE, NCERT (2023-2026).
21. Member, Open Access India (2022-2025).
22. Jury Member, Emerald South Asia LIS Research Fund Award (2024).

KRISHANU MAULIK, SMU, Kolkata

1. Act as Subject Expert, Subject Expert and Lecturer, Lodha Young Genius Programme, Ashoka University (May 20, 2024 to May 24, 2024).

KUNTAL GHOSH, MIU & CSCR, Kolkata

1. Keynote Talk, Introduction to Deep Neural Networks, Workshop on Machine Learning and Its Applications, Netaji Subhash Engineering College, Kolkata (Apr 19, 2024).
2. Invited Lecture, Indian Knowledge System, One Day Seminar on Indian Knowledge System: Culture is Unity, Regent Education and Research Foundation, Barrackpore (Dec 19, 2024).
3. Resource Person, Invited lecture on Introduction to Image Segmentation, Refresher Course in "Recent Trends in Artificial Intelligence, Machine Learning and Applications, Online talk (Jun 26, 2024).
4. Invited Speaker, Scientific Lecture, Annual Colloquium of Indian Academy of Neurosciences, Kolkata Chapter, Presidency University (Sep 06, 2024).

M KRISHNAMURTHY, DRTC, Bangalore

1. Invited Talk, Information Ecosystems: Trends and Strategies for Libraries, The 8th I-LISS International Conference on Exploring Information Services and Library Technologies for the Next Generation – ICEISLT-2024, Chennai (Jul 19, 2024).

2. Invited Talk, Comparative Analysis of Research Management Tools: EndNote, Mendeley, Zotero, Paperpile, RefWorks, and Citavi, The International Conference on Linking, Informing & Sharing: Building Resilient Education and Library System (ICLIS 2024), Bangalore (Jul 24, 2024).
3. Invited Talk, Reading Habits: Current Trends, One Day Workshop on Information Literacy Reading Habits, Bangalore (Aug 30, 2024).
4. Invited Talk, Unlocking Data: The Significance of Open Data Repositories in Modern Library Science, One Day Workshop on Recent Trends and Technology in Libraires, Bangalore (Nov 27, 2024).
5. Invited Talk, Research Ethics and plagiarism, Two Days Workshop on Research Methodologies, Bangalore (Jan 23, 2025).
6. Invited Talk, Implementation of D – Space 8 Software in Academic Institute: Issues and Challenges, Two Days Workshop on D – Space, Visakhapatnam (Jan 27, 2025).
7. Invited Talk, Database and metrics, Eight Days Workshop on Research Methodology, Bangalore (Feb 11, 2025).
8. Invited Talk, Unlocking Insights: The Power of Data Visualization in Decision Making, Saturday Mirror Special Lecture Series, Tumkur (Feb 15, 2025).
9. Invited Talk, Research Data Management Repositories: A case study of Indian Universities, International Conference on, Karnataka (Mar 19, 2025).
10. Invited Talk, Unlocking Data: Towards the identification of tools for the success factors, National Conference IATLIS/ TISS, Mumbai (Mar 28, 2025).

MADHURA SWAMINATHAN, EAU, Bangalore

1. Member, Board of Trustees, International Rice Research Institute, Los Banos, Advisory role as board member, Board meeting, IRRI (Nov 20, 2024 to Nov 25, 2024).

MALAY BHATTACHARYYA, MIU, Kolkata

1. Computation with Big Data, 2-day Workshop on Innovative Insights: Harnessing Big Data, Deep Learning, and AI, Kolkata, India (Aug 02, 2024).
2. Judgment Analysis at Scale, 2nd Annual QEDS Conference on Advances in Applied & Computational Mathematics, Ranchi, India (Feb 15, 2025).

MANDAR MITRA, CVPRU, Kolkata

1. Editor, Member, Editorial Board, Foundations and Trends® in Information Retrieval, (Jul 01, 2022 to Jun 30, 2025).
2. Lecture, Introduction to Retrieval Augmented Generation, Workshop on Deep Learning and Artificial Intelligence:

Principles and Practice (DLAI2025), NIT Kurukshetra (Mar 27, 2025).

MANEESH THAKUR, SMU, Bangalore

1. Embedding rank-2 normic tori in groups of type F4, Buildings-2024, University of Muenster, Germany (Sep 24, 2024).

MANISH KUMAR, SMU, Bangalore

1. On Bertini theorem in positive characteristic, Workshop and Conference on Algebraic Geometry, HRI (Dec 03, 2024).
2. Application dynamics to algebraic fundamental groups, Workshop on Dynamics, KSoM (Dec 06, 2024).
3. Relationship between stratified and etale fundamental group, Algebraic and Analytic Geometry, Shiv Nadar University (Feb 14, 2025).
4. Relationship between stratified and etale fundamental group, Algebraic Geometry conference at KSOM, KSoM (Mar 12, 2025).

MATHEW C. FRANCIS, CSU, Chennai

1. Variants of the Gyárfás-Sumner Conjecture, International Conference on Discrete Mathematics 2024 (ADMA – ICDM 2024), Department of Mathematics, Savitribai Phule Pune University (Jun 07, 2024).
2. Beyond NP-completeness I, Online FDP program sponsored by MMC-UGC for college/university teachers on Graph Theory and Cryptography, Online mode (Mar 24, 2025).

MENDEM BAPUJI, LRU, Kolkata

1. Linguistic Situation of Central India: A Case Study of South Odisha, Refresher Course, Osmania University (Jan 22, 2025).
2. Munda Languages and Their Contribution to Indian Knowledge, National Symposium on Bharatiya Bhasha Pariwar, Berhampur University (Mar 12, 2025).
3. Tribal Languages of South Odisha and their Contribution to Indian Knowledge System, Distinguished Lecture Series, Berhampur University (Mar 13, 2025).
4. Munda Janjati and Their World View, International a Symposium on Mind through Traditions, Centre for Neural and Cognitive Sciences, School of Medical Sciences, University of Hyderabad, Telangana (Mar 19, 2025).

MONALI MITRA PALADHI, LIBRARY, Kolkata

1. Changing phase of Libraries in the Digital Environment, Resource Person, Advanced Internship Programme on LIS Professionalism, Kalyani Campus, NSOU (Feb 23, 2025).

MOUTUSHI CHATTERJEE, SQCORU, Bangalore

1. A Support Vector Machine Based Multivariate Exponentially Weighted Moving Average (MEWMA) Control Chart, International Conference on Emerging Trends in Business Analytics and Management Sciences, IIT, Bombay (Dec 14, 2024).
2. Importance of Target in Statistical Quality Control – Taguchi Index and Beyond (Invited Talk), International Conference on Advanced Data Analytics and Statistics, Hybrid (Jan 24, 2025).
3. Statistical Quality Control – The Curious Case of Never-ending Conflict among Teaching, Research and Industrial Applications (Keynote Talk), International Conference on Sustainable Innovations in Statistics and Data Science, Bangalore (Mar 27, 2025).

MRIDU PRABAL GOSWAMI, SERU, North East

1. A Short Tale about Cooperation and War with Game Theory, Humanities and Social Sciences, Ph.D. forum IIIT Guwahati, online (Jun 07, 2024).

MRIGANKA MANDAL, CSRU, Kolkata

1. Invited Talk, Deliver a Talk, International Workshop on Advanced Topics in Mathematics (IWATM-2024), IIIT Naya Raipur (Dec 16, 2024 to Dec 20, 2024).
2. Faculty Updation Program, Deliver Lecture, Faculty Updation Program on “Cryptography and Lightweight Protocols for Cyber-Physical Systems, International Institute of Information Technology (IIIT) Bhubaneswar (Jan 27, 2025 to Jan 31, 2025).
3. Faculty Updation Program, Expert Lecture, “Cryptography for Information Security”, AKTU Lucknow (Mar 07, 2025 to Aug 11, 2025).

MUDIT KAPOOR, EPU, Delhi

1. Transdisciplinary Approaches in Addressing Nutrition Challenges, 56th Annual National Conference of Nutrition Society of India (NSI), Symbiosis School of Culinary Arts and Nutritional Sciences (Nov 14, 2024).

NACHIKETA CHATTOPADHYAY, SOSU, Kolkata

1. Resource Person, Exploratory Data Analysis, Five-days Workshop on “Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting”, Dept. of Mathematics, ICFAI University, Tripura (Nov 11, 2024 to Nov 15, 2024).

NEENA GUPTA, SMU, Kolkata

1. The Abhyankar Sathaye Epimorphism Conjecture, Algebraic Transformation Groups, Monte Verita, Ascona, Switzerland (May 06, 2024).

NILADRI SEKHAR DASH, LRU, Kolkata

1. Role of Emerging Technologies in Sustainability of Cultural Diversities in the Indian Pluricultural Societies, 2-Day Online Conference on Sustaining Cultural Diversity in the Context of Emerging Technologies in India, University of Hyderabad (May 21, 2024).
2. Role of Digital Humanities in Protection, Preservation and Promotion of Indian Cultural Uniqueness and Diversities, 5-Day Faculty Development Programme on Digital Humanities, Linguistics, and ELT in the Post-Pandemic World: Addressing the Present and Envisioning the Future, Amity Institute of English Studies and Research, Amity University, Kolkata (Jun 24, 2024).
3. NEP and its Implication in Humanities, 7-Day Online Faculty Development Program (FDP) on "Implementation of NEP 2020 in Humanities: Pedagogical Approaches", Faculty of Liberal Arts, ICFAI University, Tripura (Jul 06, 2024).
4. Generation and Processing of Corpora for Minority Indian Languages, Summer Training School on Creating Resources for Indian Languages, Centre for Transdisciplinary Studies, Dr. Bhimrao Ambedkar University, Agra and Project BoLI, UnReal-TecE LLP, Agra (Jul 08, 2024).
5. Research & Publication Ethics: How to Publish Our Research Findings Ethically, Foundation Day Seminar on Research Ethics and Human Resource Development, Ali Yavar Jung National Institute of Speech & Hearing Disabilities (Divyangjan), Eastern Regional Centre, Kolkata (Aug 09, 2024).
6. Human Translation Vs. Machine Translation, 3-month Certificate Course in Translation, Ramakrishna Mission Residential College, Narendrapur, West Bengal (Sep 28, 2024).
7. Digital Lexicography in Digital India: Dreams and Challenges, 46th International Conference of Linguistic Society of India (ICOLSI-46), University of Kashmir (Oct 03, 2024).
8. Indigenous Knowledge Transmission and Resilience Building, One-Day Online Webinar on Indigenous Knowledge Systems in Global South: Postcolonial and Ethnolinguistic Study (IKSGS-PES 2024), CALTS, University of Hyderabad (Nov 06, 2024).
9. Ten Major Challenges in Documentation and Digitization of Indigenous Languages, International Conference on Indian Linguistic Tradition and Indigenous Knowledge System (ILTIKS-2024), North Eastern Hill University, Shillong (Nov 12, 2024).
10. Challenges and Solutions in Creation of Technical Terms from English to Bengali, 2-day National Seminar on Importance of Scientific and Technical Terminology in International Relations, Galsi College, Galsi, Purba Bardhaman, West Bengal (Nov 16, 2024).
11. National Education Policy 2020 (NEP2022) and its Linguistic Objectives: A Critical Appraisal, Invited Lectures by Experts, International School of Dravidian Linguistics, International School of Dravidian Linguistics, Thiruvananthapuram, Kerala (Nov 23, 2024).
12. Indigenous Knowledge Transmission and Resilience Building, 1-day online webinar on Indigenous Knowledge Systems in Global South: Post-Colonial and Ethnolinguistic Study, University of Hyderabad (Nov 27, 2024).
13. Spoken Text Corpus Generation, Annotation, Processing, Analysis and Application, 3rd International Conference on Biologically Inspired Techniques in Many-Criteria Decision-Making (BITMDM 2024), Nagaland University, Dimapur (Dec 06, 2024).
14. Digital Humanities and Preservation of Indian Cultural Heritages and Diversities, 2-Week Interdisciplinary Refresher Course on Multimodality and Cultural Narratives in India-Centric Literature and Implementation of NEP 2020, Central University of South Bihar (Dec 14, 2024).
15. Technolinguistics and Multilingualism in the Indian Context', Conference on Multilingualism Matters: Languages as Sites of Empowerment and Recognition, at Institute of Languages Studies and Research (ILSR), Dept. of Higher Education, Govt of West Bengal, Kolkata (Dec 20, 2024).
16. The Use of Tools and Techniques of Corpus Linguistics for Digitization of Classical Texts, the International Seminar on Bangla as a Classical Language: History, Culture, and Future Aspirations; National Library, Kolkata. (Dec 23, 2024).
17. Applying Technolinguistics in Protection, Preservation and Promotion of Indian Cultural Heritages and Diversities, 3rd International Conference on FOSS Approaches towards Computational Intelligence and Language Technology (FOSS-CILT25), ICFOSS, Trivandrum, Kerala (Jan 24, 2025).
18. Society, Ecology and Language: An Ecolinguistic Labyrinth We Live In, the National Conference on Language, Culture, and Identity (NCLCI-2025), Berhampur University, Berhampur, Odisha (Feb 07, 2025).
19. Tripura: Linguistic Issues and Challenges: Some Observations, 2-Day National Seminar on Sociocultural,

Linguistic and Archeological Aspects: Perspective Tripura, Ramakrishna Mission, Viveknagar, Agartala, Tripura. (Feb 14, 2025).

20. Challenges in developing NLP resources for low-resourced languages, 2-Day Workshop on NLP for Indigenous Languages of Northeast India, Nagaland University, Kohima, Nagaland (Mar 18, 2025).

PABITRA BANIK, AERU, Kolkata

1. Application of Artificial Intelligence and Machine Learning for Sustainable Development with special reference to Smart Agriculture, Regional Science and Technology Congress, Siliguri, West Bengal (Jan 24, 2025).

PARTHA SARATHI MUKHERJEE, ISRU, Kolkata

1. Invited talk, A feature-based image comparison method, International Indian Statistical Association (IISA) conference, Cochin University of Science and Technology, Kochi, India (Dec 29, 2024).
2. Invited talk, Image Denoising and Deblurring under Jump Regression Framework, 2nd Frontier Symposium in Data Science 2025 (FS-DSC 2025), Indian Institute of Science Education & Research, Thiruvananthapuram (Feb 01, 2025).
3. Contributed talk, An image comparison method based on local pixel clustering, ISI-ISM-ISSAS Joint Conference 2025, The Institute of Statistical Mathematics, Tokyo, Japan (Mar 05, 2025 to Mar 07, 2025).

PARTHASARATHI GHOSH, GSU, Kolkata

1. Participation in the scientific meeting and deliberation., Oral presentation, "Stable isotopic compositions of sedimentary sulphates in the Lower Jurassic syn-rift strata of a continental rift basin of India", 37th meeting of the International Association of Sedimentologists, Aberdeen, UK (Jun 25, 2024 to Jun 27, 2024).
2. Geological Fieldtrip, Geology of Sky, Post-conference fieldtrip, Isle of Sky (Jun 28, 2024 to Jul 01, 2024).
3. A Graph-based Study of Dynamics of the Kosi River, Dynamic Processes of Earth, Presidency University, Kolkata (Mar 22, 2025).

PRABAL RAY CHAUDHURI, EPU, Delhi

1. Collaborative Research, Development Economics, Research Visits, Ahmedabad University (Nov 25, 2024 to Dec 04, 2024).

PRADIP BHATTACHARYYA, AERU, Giridih

1. Environmental pollution and Remediation, Online STC on Environmental and Sustainability Science, Online (Jan 27, 2025).

2. Use of Vermicomposting & Biochar in Metal Toxicity Remediation, Naturophilia Sustainability Webinar Series 2, Online (Mar 22, 2025).

PRADIPTA MAJI, MIU, Kolkata

1. Speaker, Invited Talk, Workshop on Emerging Technology, Brainware University, Barasat, West Bengal (Aug 22, 2024 to Jul 22, 2025).
2. Multi-View Data Analysis: Subspace, Kernel to Deep Learning, Workshop on Emerging Technology, Barasat, West Bengal (Aug 22, 2024).
3. For possible collaboration and presentation, Invited Talk, School of Future Technology, South China University of Technology, Guangzhou, South China University of Technology, Guangdong (Oct 22, 2024).
4. Speaker, To deliver an invited talk, 6th International Conference on Intelligence Science, Nanjing, China (Oct 25, 2024).
5. Exploring Statistical Learning in Multi-View Deep Joint Subspace Analysis, 6th International Conference on Intelligence Science, Nanjing, China (Oct 25, 2024).
6. Speaker, Invited Talk, Workshop on Advancing Medical Applications with Generative AI: Challenges and Prospects, National Institute of Technology Rourkela, Odisha (Feb 25, 2025).
7. Generative Adversarial Networks for Histological Image Analysis, Workshop on Advancing Medical Applications with Generative AI: Challenges and Prospects, Rourkela, Odisha (Feb 26, 2025).

PRASUN DAS, SQCORU, Kolkata

1. Invited Talk, An Integrated Data Analytic Approach towards achieving Operational Excellence in a Reverse Logistics based Supply Chain, International Conference on Recent Advances in Statistics and its Applications, Dibrugarh University, Dibrugarh, Assam (Dec 06, 2024).
2. Invited Talk, Geospatial data analytics for disaster risk reduction, 3rd Analytics Global Conference, NSHM Institute of Computing and Analytics, NSHM Knowledge Campus, Kolkata (Mar 08, 2025).
3. Invited Talk, Urban Flood Modelling based on Data Science and Machine Learning, Human Resource, Capacity Enhancement & Faculty Development Program, NIDM, MEA & CDPM, Jadavpur University, Kolkata (Mar 21, 2025).

RAGHUNATH CHATTERJEE, HGU, Kolkata

1. MiRNA synergism in enhancing the target specific

gene expression, UTA Department of Chemistry and Biochemistry SEMINAR, University of Texas, Arlington, Texas, USA (May 13, 2024).

2. Compensatory Role of Interleukin-17A in Regulating the Proliferation of Epidermal Keratinocytes in Psoriasis, Society for Investigative Dermatology 2024 Annual Meeting., Hilton, Anatol2, Texas, USA (May 17, 2024).
3. Genomics to functional genomics in understanding human diseases, Faculty development programme on Empowering Educators, Amity Institute of Biotechnology, Amity University Kolkata (Jul 08, 2024).
4. A multiomics approach to unravel the compensatory role of Interleukin-17A in regulating the keratinocyte cell proliferation in Psoriasis, CcHuGe Bi-monthly meeting, Chittaranjan National Cancer Institute, Kolkata (Jul 20, 2024).
5. Understanding Complex Human Diseases: Epidemiological & Genomic Approaches and Methods, Sun Pharma Science Foundation Workshop, Jagadis Bose National Science Talent Search Auditorium (Aug 28, 2024).
6. MicroRNA synergism impaired metabolic programming of oral cancer cells by selectively enhancing target gene specificity, National Symposium on Molecular Basis of Life: Health, Disease and Diversity, Institute of Health Sciences, Presidency University, Kolkata (Nov 29, 2024).
7. Compensatory Role of Interleukin-17A in Regulating Keratinocyte cell Proliferation in Psoriasis, 49th Annual Meeting of the Indian Society of Human Genetics (ISHG), NIMHANS, Bengaluru, India (Jan 21, 2025).
8. Significance of DNA methylation in Oral Cancer, North-East Genomics Frontiers Summit 2025, Tezpur University, Assam (Feb 07, 2025).

RAJU MAITI, ERU, Kolkata

1. An introduction to ROC curve, AUC and beyond, Extension Lecture Series of the Department of Economics, Department of Economics, Rabindra Bharati University (Jan 03, 2025).
2. An Introduction to Statistical Machine Learning, National Workshop on Machine Learning Using Python, Aliah University, Kolkata (Jan 30, 2025).

RAMIJ RAHAMAN, PAMU, Kolkata

1. Secure communication beyond classical limits, Two days National Conference on "Recent Advances in Physical and Chemical Sciences", Kandi Raj College, Kandi, Murshidabad (Dec 12, 2024).

RITABRATA MUNSHI, SMU, Kolkata

1. QUE for powerful level via shifted convolution sum problem, SCHOLAR 2, Fields Institute, Canada (May 28, 2024).
2. Analytic number theory and automorphic forms, Forward from Fields Medal, Fields Institute, Canada (Aug 14, 2024).

RITUPARNA SEN, ASU, Bangalore

1. Copula estimation for nonsynchronous financial data, Market Microstructure, Quantitative Trading, High Frequency, and Large Data, Chicago (May 04, 2024).
2. Environmentally Responsible Index Tracking: Maintaining Performance while Reducing Carbon Footprint of the Portfolio, Advances in Data Analytics and Official Statistics, Pune (May 25, 2024).
3. Fundamental Theorems of Asset Pricing, FDP on Financial Mathematics, Amaravati (Jun 24, 2024).
4. Environmentally Responsible Index Tracking: Recent Trends in Statistical Theory and Applications, Trivandrum (Jun 30, 2024).
5. Sustainable Investment: Maintaining portfolio performance while reducing the carbon footprint, International Symposium on Business and Industrial Statistics, Indonesia (Jul 12, 2024).
6. Sampling Techniques, Guest Lecture, Chennai (Nov 06, 2024).
7. Dependence Estimation in High-Frequency Financial data, Quantitative Finance, Belagavi (Nov 21, 2024).
8. Statistical Inference, Manipal Astrostatistics School, Manipal (Dec 11, 2024).
9. Statistics in Commerce, Guest Lecture, Bengaluru (Mar 31, 2025).

SABYASACHI BHATTACHARYA, AERU, Kolkata

1. Ito Calculus: A Breakthrough of Population Dynamics, Recent Advances in Mathematics, Statistics and Data Science, Adamas University, Kolkata (Oct 25, 2024).
2. Stochasticity and Beyond: A Breakthrough of Population Dynamics, Sixth International Conference on Emerging Trends in Mathematical Sciences and Computing, Institute of Engineering and Management (Feb 07, 2025).
3. Statistics: An intelligent science for multi-disciplinary research, International conference on human rights in contemporary era with special reference to sustainable development, Brainware University (Mar 01, 2025).

4. Stochasticity and Beyond: A Breakthrough of Population Dynamics, Recent Advances in Statistics: Theory and Applications, Online (Mar 18, 2025).

SAMIK BASU, SMU, Kolkata

1. Sphere fibrations over highly connected manifolds, Algebraic Topology and Related Fields, Hanoi, Vietnam (Jul 31, 2024).
2. Structured algebras in topology, Operads in Topology, IIT Bombay (Dec 01, 2024).
3. Decomposition results in topology, Mathematics Colloquium, IIT Kanpur (Mar 27, 2025).

SANDIP BARUI, ISRU, Kolkata

1. Semiparametric transformation cure models for interval censored data, Departmental Seminar Talk, Kolkata, West Bengal (May 02, 2024).
2. Destructive cure models with proportional hazards lifetimes and associated likelihood inference, International Indian Statistical Association Annual Conference, Kochi, Kerala (Dec 28, 2024).
3. Survival Analysis, Workshop on Data Analytics, Kolkata, West Bengal (Mar 01, 2025).

SANGHAMITRA BANDYOPADHYAY, MIU, Kolkata

1. Visit under CEFIPRA project, Collaborative research, Exploring Graph Neural Networks (GNNs) for Data-driven Modeling of Poly-pharmacy Adverse Drug Events from Drug-Drug Interactions, Centre de données Cliniques, CHU de Rennes, University of Rennes, France (Jun 08, 2024 to Jun 24, 2024).
2. Chief Guest and Convocation Speaker, Convocation, Kanchipuram (Jul 27, 2024).
3. Artificial Intelligence and Life Sciences: A Synergistic Relationship, Prof. D. M. Bose Memorial Lecture, Bose Institute, Kolkata (Nov 26, 2024).
4. Visit to Italy under Indo-Italy Project (DST), Exploring the heterogeneity of systemic lupus patients based on autoantibodies distribution and multi-omics approaches compared in two ethnic cohorts, Collaborative Visit, Istituto Superiore di Sanità (ISS), National Center of Global Health, Italy (Nov 27, 2024 to Dec 05, 2024).
5. Chief Guest and Convocation Speaker, Convocation, Belur Math (Dec 07, 2024).
6. Machine Learning Applications in Biology, Indian Control Conference, IISER Bhopal (Dec 11, 2024).
7. Multi objective Optimization: Applications in Computational Biology, International and National Conference on

Multidisciplinary Design, Analysis, and Optimization (iNCMDAO), IISc-Bengaluru (Dec 16, 2024).

8. Chief Guest and Convocation Speaker, Convocation, Vadodara, Gujarat (Dec 18, 2024).
9. Multi objective Optimization with Applications in Computational Biology, International Conference on Statistical Learning, IIT Ropar (Mar 07, 2025).

SANJUKTA ROY, MIU, Kolkata

1. Invited Talk, Fairness in Efficient House allocation, Workshop on Algorithmic Mechanism Design, FSTTCS, IIT Gandhinagar (Dec 19, 2024 to Dec 20, 2024).

SANKAR KUMAR PAL, CSCR, Kolkata

1. Keynote speaker and a panelist on AI in India, Pattern Recognition, Machine Intelligence to Granular Mining: Evolution, Uncertainty Modeling and Applications, Data Fusion Conference 2024 (Nation-wide top-level event on AI & Data Science), Moscow, Russia, Online (Apr 17, 2024 to Jul 18, 2024).
2. Interview-cum-Talk, Experience and Impact of Commonwealth Scholarship: Commonwealth Scholarship Commission Alumni Interview, Celebrating 65 years of Commonwealth Scholarship, Alumni CSCUK, London, Online (Jun 13, 2024).
3. Keynote Talk as Chief Guest, Evolution of Machine Intelligence and Data Science & Granular Computing and Video Analytics, International Conference on Applied Mathematics (ICAM-2024), Vidyasagar University, West Bengal (Jun 27, 2024).
4. 2024 Engineers' Day Lecture, Machine Intelligence: Why, How & What Should? Academy of Technology, Adisaptagram, Hooghly, West Bengal (Sep 15, 2024).
5. Keynote address, Granular Mining, Uncertainty Modeling and Deep Learning: Concepts, Applications and Challenges, 3rd Advanced Communications and Machine Intelligence Conference (MICA 2024), Mahindra University, Hyderabad (Oct 18, 2024).
6. Invited Speaker, Granular Video Learning and Deep Ming: Why and How? 6th Mediterranean Conference on Pattern Recognition and Artificial Intelligence (MedPRAI 2024), Istanbul, Turkey, Online (Oct 19, 2024).
7. 85th Acharya J.C. Bose Memorial Lecture, Pattern Recognition, Machine Intelligence to Deep Learning and Data Science: Evolution, Challenges & Concerns, Foundation Day Celebration of Bose Institute Kolkata, (Nov 30, 2024).
8. INSA Distinguished Lecture, Granulated Deep

Learning: Concepts, Model and Applications, 90th INSA Anniversary General Meeting, SRM Institute of Science and Technology (SRMIST) in Kattankulathur, Chennai (Dec 09, 2024).

9. Inaugural and Chief Guest Speech, Inaugural and Chief Guest Talk on the Relevance of Statistics and Probability in Data Science and Machine Learning, 11th International Triennial Calcutta Symposium on Probability and Statistics, University of Calcutta (Dec 27, 2024 to Dec 30, 2024).
10. Invited Talk, Granular Video Learning and Deep Ming: Why and How? IEEE CIS Winter School on Computational Intelligence and Generative AI, IIT Indore (Jan 08, 2025 to Jan 09, 2025).
11. Invited Talk, Granular Video Mining and Deep Learning: Application to Realtime Traffic Scenario, Dept. of Electrical Engineering, IIT Delhi, New Delhi (Feb 03, 2025).

SANKAR SARKAR, PAMU, Kolkata

1. Turbulence through double-layered vegetated channel bed, International Conference on Computational Mathematics and Applications (ICCM-2025), Silchar (Jan 17, 2025).

SANTANU K. MAITI, PAMU, Kolkata

1. Spintronics in chiral molecules-Pioneering a new research era, Third International Conference on "Functional Materials and Applied Physics (FMAP-2024)", Surat (Oct 18, 2024).

SAROJ KUMAR MEHER, SSIU, Bangalore

1. Spatial Data Mining and Knowledge Discovery, International Conference on Machine Intelligence, Tools, and Applications ICMITA-2024, Division of AI & ML, School of Computing Science and Engineering, VIT Bhopal, India (Apr 12, 2024).
2. Machine Learning and Remote Sensing Imagery, IEEE Student Chapter opening, PA College of Engineering, Mangalore, (May 25, 2024).
3. Sustainable development Goad and AI, Faculty Development program, School of Computer Engineering, Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, India (Jun 25, 2024).
4. Advances in AI Methodologies for Remote Sensing Image Analysis, IEEE Student Chapter opening, BNM Institute of Technology, Bangalore (Jul 05, 2024).
5. AI and its diverse applications, AICTE-VANNI Seminar, Computer Science Department, BIT Mesra (Jul 09, 2024).

6. Reviewer for the Preliminary Design Document, Defence Research and Development Organization, Defence Institute of Physiology & Allied Sciences, Govt. of India, Delhi (Jul 24, 2024 to Jul 25, 2025).

7. Advanced Machine Learning Model with Applications, Part 1, Faculty Development program, School of Mathematical Science, VIT Vellore, Tamilnadu (Aug 26, 2024).
8. Advanced Machine Learning Model with Applications, Part 2, Faculty Development program, School of Mathematical Science, VIT Vellore, Tamilnadu (Aug 27, 2024).
9. Smart Library, Lecture Series at Karnataka State Library Association, Bangalore, Karnataka State Library Association, Bangalore (Nov 18, 2024).
10. Transfer Learning Methods in a Decision-making Process, International Conference on Intelligent Computing and Sustainable Innovations in Technology (IC-SIT 2024), Department of Computer Engineering, Silicon University, Bhubaneswar. (Nov 21, 2024).
11. Advanced Deep Learning Methods for Image Analysis, Lecture series on "Cutting Edge Intelligent Computing Technologies: Trends & Challenges, P.G. Department of Computer Science, Maharaja Sriram Chandra Bhanja Deo (MSCB) University, Baripada, Mayurbhanj, Odisha, India, (Dec 20, 2024).
12. Mathematics for Machine Learning, Celebration of National Mathematics, PG Department of Mathematics and Research Centre in Applied Mathematics. MES College, Bengaluru, India (Dec 30, 2024).
13. Transfer Learning methodologies and applications, Lecture Series at at the School of Computer Science, University of Hyderabad, India, School of Computer Science, University of Hyderabad (Jan 20, 2025).
14. Semisupervised Learning with Granular Neural Network, National Conference on Emerging Trends in Artificial Intelligence and Machine Learning, 2025, Department of Computer Science, Fakir Mohan University, Odisha (Feb 07, 2025).
15. A journey from AI to LLM, IEEE International Conference on Emerging System & Intelligent Computing (ESiC-2025), School of Computer Science, KIITS University, Bhubaneswar (Feb 08, 2025).
16. Machine Learning and its Applications, The Student cum Faculty Refresher course, Electronics and Communication Department, NIE, Mysore (Mar 09, 2025).

SATADAL GANGULY, SMU, Kolkata

1. Delivered Lecture, The problem of representing a non-zero integer by indefinite integral quaternary quadratic

forms: the circle method and beyond, Circle Method and Related Topics, ICTS, Bengaluru (Nov 06, 2024).

2. Delivered Lecture, On the “Beyond Endoscopy” method and its applications, Celebrating Number Theory in India, IISER Pune (Dec 09, 2024).
3. Delivered Lecture, The Titchmarsh divisor problem for products of primes, Conference on Analytic Number Theory, IISER Berhampur (Feb 03, 2025).

SHANTA LAISHRAM, SMU, Delhi

1. Number Theory, IMOTC 2024, CMI Chennai (May 06, 2024).
2. On the stability of certain higher degree polynomials, ICLANT-2024, NIT Calicut (Jun 13, 2024).
3. Terms of Lucas sequences which are products of Catalan numbers and related results, 21st International Conference on Fibonacci Numbers and their applications, Harvey Mudd College, Claremont, USA (Jul 12, 2024).
4. Diophantine Equations, Invited Lecture, Manipur University, Imphal (Aug 20, 2024).
5. Diophantine Equations and Recurrence Sequences, Invited Lecture, Manipur University, Imphal (Aug 22, 2024).
6. Interesting world of mathematics, Pi-Summit, The Scindia School, Gwalior (Sep 29, 2024).
7. Invited Lecture, On Squares in an Arithmetic Progression, Ahmedabad University, Ahmedabad (Oct 23, 2024).
8. Invited Lecture, On the stability of certain higher degree polynomials, RKMVERI, Belur (Nov 04, 2024).
9. Invited Lecture, Squares in an Arithmetic Progression, IISER Berhampur (Nov 22, 2024).
10. Invited Lecture, Squares in an arithmetic Progression, Manipur University, Imphal (Dec 05, 2024).
11. Invited Lecture, Squares in Arithmetic Progression, IISER Pune (Dec 10, 2024).
12. Invited Lecture, Irreducibility of Truncated Binomial Polynomials, IMSc Chennai and IIT Chennai (Dec 17, 2024).
13. Invited Lecture, On the number of squares in an arithmetic progression, IISER Berhampur (Feb 06, 2025).
14. Invited Lecture, On the number of Squares in an Arithmetic Progression, IIT Guwahati (Mar 03, 2025).
15. Invited Lecture, World of Prime Numbers, The Assam Royal Global University, Guwahati (Mar 04, 2025).

SHYAMAL KRISHNA DE, ASU, Kolkata

1. Near-perfect Clustering Based on Recursive Binary Splitting Using Maximum Mean Discrepancy, Eleventh International Triennial Calcutta Symposium, 2024, Department of Statistics, University of Calcutta (Dec 26, 2024).
2. High-dimensional Adaptive Multiple Testing Controlling FDR and FNR for Sequential Data, Annual Conference of International Indian Statistical Association 2024, Cochin University of Science and Technology (Dec 31, 2024).
3. Near-perfect Clustering Using Recursive Binary Splitting Based on Maximum Mean Discrepancy, ISI-ISM-ISSAS Conference 2025, The Institute of Statistical Mathematics, Tokyo, Japan (Mar 05, 2025).

SOHAM SARKAR, ISRU, Kolkata

1. An Introduction to Classification, Student Training Programme in Data Analytics, Online (Apr 08, 2024).
2. Machine Learning, Statistics and Mathematics, Lodha Genius Programme, Ashoka University (Jun 09, 2024).
3. Covariance Estimation for Functional Data, Lecture Series for the Propagation of Statistics Education and Research, Online (Sep 21, 2024).
4. Separable Expansions for Covariance Estimation via the Partial Inner Product, Eleventh International Triennial Calcutta Symposium on Probability & Statistics, University of Calcutta (Dec 30, 2024).

SOUMENDU SUNDAR MUKHERJEE, SMU, Kolkata

1. Spectra of random hypergraphs and contractions of random tensors, Recent Advances in Probability and Statistics, IIT Bombay (Jan 01, 2025).
2. LASER: A new method for locally adaptive nonparametric regression, Annual Departmental Symposium of Department of Mathematics & Statistics (DMS), IISER Kolkata, IISER Kolkata (Feb 15, 2025).

SOUMYANETRA MUNSHI, ERU, Kolkata

1. Lobbying and Enforcement: An Economic Exploration, Departmental Seminar Series, Jadavpur University (Nov 22, 2024).

SOURAV CHAKRABORTY, ACMU, Kolkata

1. Distribution testing and its usage in verification of probabilistic programs, EECS Research Students Symposium, Bangalore (Apr 04, 2024).
2. Probabilistic Methods, Indian Mathematics Olympiad Training Camp, Chennai (May 20, 2024).

- Testing correctness of samplers using property testing: from theory to practice and back again, 12th International Symposium on Applied Computing for Software and Smart Systems (ACSS-2025), Kolkata (Jul 04, 2024).

SUDHEESH KUMAR KATTUMANNIL, ASU, Chennai

- Modified semidistance correlation and its applications, IISA international conference, CUSAT, Kochi (Dec 29, 2024).
- Approximation of probability distribution by Steins method and beyond, MCMTA-2025, SRM University Chennai (Jan 09, 2025).

SUJATA GHOSH, CSU, Chennai

- On reasoning in games on graphs, International Seminar on Interdisciplinary Scopes of Mathematical and Computational Logic, Guwahati University (May 04, 2024).
- Logic and games I, National Workshop on Mathematical Logic and Applications, Guwahati University (Dec 27, 2024).
- Logic and games II, National Workshop on Mathematical Logic and Applications, Guwahati University (Dec 28, 2024).

SUJEET KUMAR SINGH, SQCORU, Hyderabad

- Polynomial Optimization, International Conference on Game Theory and Optimization, CMI Chennai (Mar 19, 2024).
- Application of Calculus in Optimization, International Workshop on Numerical Methods in ODEs/PDEs and Computational Intelligence, Online (Mar 22, 2024).
- SOS-Convexity and Optimization, International Symposium on Advances in Mathematical Sciences, Online (Mar 24, 2024).
- Multi-objective Optimization with SOS Polynomials, Cutting-Edge Innovations in Soft Computing, Communication and Artificial Intelligence, Online (Sep 11, 2024).
- Multi-objective Optimization with SOS-Convex Polynomials, 3rd International Workshop on Advanced Topics in Mathematics, Online (Dec 19, 2024).

SUMAN GHOSH, CSSC, Kolkata

- Resource Person, Teaching workshop attendees on topics related to Deep Learning, 2nd Winter School on Deep Learning, Generative AI and LLM, Computer Society of India (Kolkata) (Mar 16, 2024 to May 07, 2024).

SUMAN MAJUMDER, ISRU, Kolkata

- Multivariate cluster point process to quantify and explore multi-entity configurations: Application to biofilm image

data, International Chinese Statistical Association Applied Statistics Symposium, Nashville, Tennessee, USA (Jun 17, 2024).

SUPRATIK PAL, PAMU, Kolkata

- How many parameters for our Universe?, Institute Colloquium, IMSc, Chennai (Apr 01, 2024).
- The present and future of Hubble tension, Institute Seminar, Department of Physics, IIT Madras (Apr 04, 2024).
- What can we learn about Dark Matter - Neutrino interaction from CMB, EoR, post-reionization and galaxy surveys?, Third Reionization in Relic Radiation (R3) Workshop, Institut d'Astrophysique Spatiale, France (May 30, 2024).
- Hubble tension in the light of future Gravitational-wave, post-reionization and galaxy surveys, Meeting on Standard Cosmology at the Threshold of Change?, Aristotle University of Thessaloniki, Greece (Jun 04, 2024).
- Hubble to James Webb: 100 Years of Space Exploration, Public Lecture on National Space Day, Visva Bharati, Santiniketan (Aug 23, 2024).
- Telescopier Galpo, Mahabishber Galpo, Dr. Rajesh Karmakar Memorial Lecture, Ramakrishna Mission Vidyamandira, Belur (Sep 07, 2024).
- The present and future of Hubble tension, Aspects of Gravitation and Cosmology, IISER Kolkata (Oct 25, 2024).
- Tensions in light of present and future observations, Workshop on Tensions and Anomalies on the Sky: Quest for New Physics at Cosmological Scales, Jamia Millia Islamia, New Delhi (Mar 07, 2025).
- Unveiling the Mysteries of the Universe through Telescopes, 12th Research Scholars' Day, IIT Kharagpur (Mar 22, 2025).

SURESH NAYAK, SMU, Bangalore

- Derived Categories, Semi-Orthogonal Decompositions, Chennai Mathematical Institute (Jun 16, 2024).

SUSHMITA MITRA, MIU, Kolkata

- Invited talk, Harnessing AI for Healthcare, Colloquium, School of Computing, University of Glasgow (May 28, 2024).
- Professional Development Workshop, Other pieces of the puzzle: Research funding, publishing, mentoring, 22nd IFAC Conference on Technology, Culture and International Stability (TECIS2024), Waterford, Ireland (May 29, 2024).

- Invited talk, Harnessing artificial intelligence for healthcare, Colloquium, The Institute of Cancer Research, London, UK (Jun 05, 2024).
- Panel, Women at ICPR, ICPR Conf, ICPR (Dec 03, 2024).
- Role of Artificial Intelligence in Clinical Research, Inaugural talk, Thiagarajar College of Engineering, Madurai, Tamil Nadu (Feb 17, 2025).
- Invited talk, Artificial intelligence in healthcare, MnRI Colloquium, University of Minnesota (Mar 07, 2025).
- Keynote talk, Artificial intelligence in healthcare, Deep Learning Machine Learning Journal Club, Mayo Clinic, USA (Online) (Mar 10, 2025).
- Keynote & Tutorial talk, Panel, AI in Healthcare, Research Funding, Publishing, Mentoring: The three pillars of professional development in academia, After 60 years, what is the future of fuzzy systems? FUZZ IEEE 25, Reims, IEEE France Section (Jul 05, 2025 to Jul 09, 2025).

SWAGATAM DAS, ECSU, Kolkata

- Plenary Lecture in AIJ 2024, Scientific Vision: Building Explainable, Fair, and Transparent AI for the Future, Artificial Intelligence Journey 2024, Moscow, Russia (Dec 20, 2024).
- Senior Program Committee Member, the 39th Annual AAAI Conference on Artificial Intelligence, 2025, Pennsylvania (25 Feb 2025 – 4 Mar 2025).

SWAGATO KUMAR RAY, SMU, Kolkata

- Around Kunze-Stein Phenomenon, Celebration of Harish-Chandra's birth centenary year., IIT Kanpur (Apr 19, 2024).
- L^p -asymptotic behaviour of solution of the heat equation, Young Math. Symposium, IISER Mohali (May 09, 2024).
- Local mapping property of Schrödinger maximal function on Real hyperbolic spaces, Mini Conference in Harmonic Analysis, IIT Bombay (Dec 13, 2024).
- Local mapping property of the Schrödinger maximal function, Frontier Symposium in Mathematics 2025, IISER Thiruvananthapuram (Jan 17, 2025).

T. KARTHICK, CSU, Chennai

- Conference, Invited Speaker, Coloring of some graph classes, International Conference on Graph Theory and its Applications (ICGTA 24), Presidency University, Bengaluru (Jun 20, 2024 to Jun 22, 2024).
- FDP, Invited Speaker, Some Applications of Graph Theory, FDP on Emerging Trends in Mathematical Research, Department of Mathematics, St. Joseph's College of

Engineering, Chennai (Nov 08, 2024 to Nov 09, 2024).

- FDP, Invited Speaker, Career Opportunities that Leverage Mathematical Talent: Applications of Graph Theory, Department of Mathematics (SFS), SDNB Vaishnav College For Women, Chennai (Feb 28, 2025).
- FDP, Invited Speaker, UGC sponsored FDP online program on Graph Theory and Algorithms for college/university teachers, Sciences and Humanities (Mathematics), IIITDM Kancheepuram, Chennai (Mar 19, 2025 to Mar 31, 2025).
- Beyond NP-Completeness: Graph Coloring, FDP online program on Graph theory and Algorithms for college and University Teachers, IIIT D& M, Kancheepuram Chennai (Mar 26, 2025).
- Real life Applications of Graph Theory, Career Opportunities that Leverage Mathematical Talent: Applications of Graph Theory, SDNB Vaishnav College for Women, Chennai (Mar 28, 2025).

TANMAY SEN, SQCORU, Kolkata

- Talk and research collaboration, Federated multi-task learning for complaint identification from social media data, Invited Talk, SRM university, AP (Mar 12, 2025).

TANVI JAIN, SMU, Delhi

- The Wasserstein distance between positive matrices, IWM Annual Conference, BITS Pilani, Goa Campus (Jul 11, 2024).
- Symplectic spaces and matrix diagonalisation, International Conference on Matrix Analysis and Mathematical Modelling, NIT Jalandhar (Nov 29, 2024).
- Perturbation theory of eigenvalues of matrices, IWM Mini Course, Online (Jan 11, 2025).
- Partitions of integers, Talk for Undergraduate Students, Shivaji College, University of Delhi (Mar 19, 2025).

TRIDIB KUMAR MONDAL, GSU, Kolkata

- Session Convenor and Chair, Session TS 4.5: Geology and Tectonics of Arabia, Himalaya, and the Tibetan Plateau - in Memory of Paul Tapponnier, General Assembly 2024, European Geosciences Union (EGU), Vienna, Austria (Apr 14, 2024 to Apr 19, 2024).
- Session Convenor and Chair, Session 10 (Geological architecture and active tectonics of Central and Eastern Himalayas) of T9 (Structural Geology), 37th International Geological Congress 2024, BEXCO, Busan, South Korea, (Aug 25, 2024 to Aug 31, 2024).
- Session Chair, Session-I Regional deformation (Brittle), Rock Deformation and Structures 8 Conference 2024,

Department of Earth and Environmental Sciences (EES),
IISER Bhopal, (Oct 22, 2024 to Oct 24, 2024).

TRIDIP RAY, EPU, Delhi

1. Collaborative research, Research on mixed markets and privatization, Academic visit to the University of New South Wales, School of Economics, Business School, University of New South Wales, Sydney, Australia (Jun 10, 2024 to Jun 28, 2024).

UJJWAL BHATTACHARYA, CVPRU, Kolkata

1. Delivered lecture, AI/ML: An Introduction to Delve into its Anthropological Dimension, Workshop on 'Applications of AI in Research and Development, Anantha Kishna Iyer Hall, CU (Sep 24, 2024).
2. Paper presentation, Safe Driving, BMVC 2024, Scottish Exhibition Centre, Glasgow, UK (Nov 25, 2024 to Nov 28, 2024).
3. Delivered lecture, Degraded Document Recognition Research, Seminar Lecture, School of Computing, Engineering and Technology, Robert Gordon University, Aberdeen, UK (Nov 28, 2024).
4. Delivered lecture, Machine / Deep Learning & Its Application, DLAI 2025, NIT Kurukshetra (Feb 28, 2025).

UMAPADA PAL, CVPRU, Kolkata

1. Can Computer Help Teachers in Grading of Examination paper? 2nd International Conference AMRIT-2024, NIT Agartala, Tripura (Nov 08, 2024).

UTPAL GARAIN, CVPRU, Kolkata

1. Advancing Drug Response Prediction: Insights from Machine Learning in Cancer Research, Special Invited Lecture, Shiv Nadar University (Aug 14, 2024).
2. Introduction to Foundational Vision and Language Models, Workshop on Emerging Technologies, Kolkata (Aug 21, 2024).
3. Overview of Machine Learning, AI Explainability and Ethics, AI/ML workshop for school teachers, Noida, NCR (Sep 24, 2024).
4. LLMs: Benefits, limitations and Future directions, Outreach programme, IIT Bhubaneswar (Nov 09, 2024).
5. LMs: Benefits, limitations and Future directions, Outreach programme, KIIT Bhubaneswar (Nov 10, 2024).
6. A Semi-parametric Approach for Canonical Calibration in Multi-Label Classification Tasks, Amazon Research Day, Bangalore (Nov 21, 2024).
7. User Centric Explanation of Machine Learning Decisions for AI-aided Medical Diagnosis, The 3rd International

Workshop on Pattern Recognition in Healthcare Analytics, Kolkata (Dec 01, 2024).

8. AI in Manufacturing, Faculty Development Programme on Digital Manufacturing Technology, Ranchi (Dec 07, 2024).
9. AI for Medical Data Analysis, Vascular Biology Research Consortium, Kolkata (Dec 07, 2024).
10. Foundation of NLP, 4th Winter School on Deep Learning, Kolkata (Jan 24, 2025).
11. AI Agent for Cardiologists, Invited talk at TCS Research, Kolkata (Feb 07, 2025).
12. Deep Learning for Healthcare, Deep Learning and Artificial Intelligence: Principles and Practice, Kurukshetra (Feb 25, 2025).
13. Bigger Isn't Always Better: The Scaling Dilemma of Large Language Models in Data-to-Text Generation, ANITI Lab, Toulouse (Mar 18, 2025).
14. Beyond Accuracy: The RET Framework for User-Centric AI in Critical Applications, Artificial and Natural Intelligence Toulouse Institute (ANITI Lab), Toulouse, France (Mar 20, 2025).
15. Visiting Scientist, Collaborative research on Causal AI, Invited visiting scientist, LITIS Lab, Univ of Rouen Normandy, France (Mar 25, 2025 to Mar 31, 2025).

UTSAV CHOUDHURY, SMU, Kolkata

1. Nori Motives, Algebraic Geometry Conference, HRI (Dec 04, 2024).

YOGESHWARAN D, SMU, Bangalore

1. Collaborative Visit, Random topology, Visit to QMU, Queen Marys University of London (May 07, 2024 to May 16, 2024).
2. Hyperuniformity and Optimal Transport of point processes, IMS-Bernoulli World Congress in Probability and Statistics, Bochum, Germany (Aug 12, 2024).
3. Collaborative Visit, Hyperuniformity of random measures, Karlsruhe Institute of Technology (Aug 17, 2024 to Aug 24, 2024).
4. Hyperuniformity and Optimal Transport of point processes, Stochastic Geometry in Action, Bath, U.K. (Sep 16, 2024).
5. Hyperuniformity and Optimal Transport of point processes, Yuktibhasa Lecture Series, Palakkad (Nov 20, 2024).
6. Discussions, Noise sensitivity on dynamic random graphs, BIRS-CMI Workshop, CMI, Chennai (Dec 09, 2024 to Dec 20, 2024).
7. Noise sensitivity in continuum percolation, Coorg Conference on Probability & Stochastic Processes, Coorg (Mar 01, 2025).

6.5 Visiting Scientists, Research Associates, Post-Doctoral Fellow and Inspire Faculty Fellow

The following Visiting Scientists, Post-doctoral and Faculty Fellows were associated with the various Divisions in the Institute during 2024-25

6.5.1 Visiting Scientists

Biological Sciences Division (BSD)				
Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Sayantana Laha	Indian Statistical Institute, Kolkata	Aug 01 to Oct 31, 2024	HGU, Kolkata
2	Shibsankar Roy	Indian Statistical Institute, Kolkata	Oct 01, 2024 to Mar 31, 2025	AERU, Kolkata
3	Rupsa Nandi	Indian Statistical Institute, Kolkata	Oct 01, 2024 to Mar 31, 2025	AERU, Kolkata
4	Sutanuka Mitra	Indian Statistical Institute, Kolkata	Feb 18 to Mar 31, 2025	AERU, Kolkata
5	Suvendu Das	Visva-Bharati University	Feb 18 to Mar 31, 2025	AERU, Kolkata

Computer and Communications Sciences Division (CCSD)				
Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Sumanta Ray	Ghani Khan Choudhury Institute of Engineering & Technology	Dec 09, 2021 to Dec 08, 2024	MIU, Kolkata
2	Satchidananda Dehuri	Fakir Mohan University	Dec 14, 2021 to Dec 13, 2024	MIU, Kolkata
3	Susanta Samanta	Indian Statistical Institute, Kolkata	Jan 01 to May 31, 2024	CSRU, Kolkata
4	Anirudhha Biswas	Indian Statistical Institute, Kolkata	Jan 01 to Jun 30, 2024	CSRU, Kolkata
5	Jyotirmoy Basak	Indian Statistical Institute, Kolkata	Jan 01 to Jun 30, 2024	CSRU, Kolkata
6	Sk. Md. Mosaddek Hossain	Aliah University	Jan 10, 2024 to Jan 09, 2027	MIU, Kolkata
7	Ayantika Laha	Indian Institute of Technology Ropar	May 01 to Oct 31, 2024	CSRU, Kolkata
8	Debabrota Basu	School team of Inria Lille Nord Europe	Jul 01-19, 2024	ACMU, Kolkata
9	Monalisa Singha Roy	Indian Statistical Institute, Kolkata	Jul 01 to Dec 31, 2024	MIU, Kolkata
10	Bhaswar Bikram Bhattacharya	University of Pennsylvania	Jul 22 to Aug 08, 2024	ACMU, Kolkata
11	Ramit Debnath	University of Cambridge	Aug 01-31, 2024	MIU, Kolkata
12	Sourav Bera	National Institute of Technology Warangal	Aug 01 to Oct 31, 2024	CSRU, Kolkata
13	Anushree Belel	Indian Institute of Technology Kharagpur,	Aug 01-31, 2024	CSRU, Kolkata
14	Subhajit Pramanick	Indian Institute of Technology Guwahati	Oct 01, 2024 to Mar 31, 2025	CSRU, Kolkata
15	Shouvik Gharai	Indian Statistical Institute, Kolkata	Oct 01 to Dec 31, 2024	CSRU, Kolkata
16	Arghya Bhattacharya	Indian Statistical Institute, Kolkata	Oct 01, 2024 to Feb 28, 2025	CSRU, Kolkata
17	Surochita Pal	Indian Statistical Institute, Kolkata	Nov 05, 2024 to Feb 04, 2025	MIU, Kolkata
18	Dipayan Das	NTT Social Informatics Laboratories	Dec 02, 2024 to Feb 05, 2025	CSRU, Kolkata
19	Apostolos Antonacopoulos	University of Salford	Dec 09-10, 2024	CVPRU, Kolkata
20	P. Shivakumara	University of Salford	Dec 09-10, 2024	CVPRU, Kolkata
21	Animesh Roy	Indian Statistical Institute, Kolkata	Jan 01-31, 2025	CSRU, Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
22	Veena Prabhakaran	Indian Statistical Institute	Jan 06 to Mar 31, 2025	CSU, Chennai
23	Suman Mahapatra	Indian Statistical Institute, Kolkata	Jan 31 to Mar 31, 2025	MIU, Kolkata
24	Sayantana Roy	Indian Statistical Institute	Feb 10 to Mar 31, 2025	CSU, Chennai
25	Debasis Mitra	Florida Institute of Technology	Dec 17-20, 2024	CVPRU, Kolkata

Physics and Earth Sciences Division (PESD)

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Satwik Mukherjee	Jadavpur University	Jul 05 to Aug 31, 2024	PAMU, Kolkata
2	Sandip Saha	Technical University Darmstadt	Jul 12 to Aug 31, 2024	PAMU, Kolkata
3	Abhiram Srivastava	Virginia Tech University	Aug 05-14, 2024	GSU, Kolkata
4	Satwik Mukherjee	Jadavpur University	Nov 01, 2024 to Jan 31, 2025	PAMU, Kolkata
5	Sulagna Sen	Dept of GG, IIT Kharagpur, India	Dec 09-13, 2024	GSU, Kolkata

Social Sciences Division (SSD)

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Mehak Majeed	Islamic University of Science and Technology	Jan 15, 2024 to Feb 07, 2025	EAU, Bangalore
2	Arunava Sen	Indian Statistical Institute	Feb 05 to Aug 04, 2024	EPU, Delhi
3	Harshan T P	Kerala State Planning Board	Apr 01 to May 31, 2024	EAU, Bangalore
4	Bhanu Gupta	Ashoka University	May 01 to Dec 31, 2024	EPU, Delhi
5	Nikita Sangwan	Queen's University Belfast	Jun 01 to Aug 15, 2024	EPU, Delhi
6	Sonal Yadav	University of Liverpool	Jun 27 to Jul 27, 2024	EPU, Delhi
7	Albin Erlanson	University of Liverpool	Jun 27 to Jul 27, 2024	EPU, Delhi
8	Raghvi Garg	IIT Kanpur	Jun 28 to Jul 24, 2024	EPU, Delhi
9	Shivani Wadehra	University of Petroleum and Energy Studies, Dehradun	Jul 07 to Jul 22, 2024	EPU, Delhi
10	Wilima Wadhwa	ASER	Jul 15 to Aug 31, 2024	EPU, Delhi
11	Ronit Mukherji	Ashoka University	Aug 01-15, 2024	EPU, Delhi
12	Bikas K. Chakraborty	Centre for Applied Mathematics & Computational Science, Saha Institute of Nuclear Physics, Kolkata	Aug 13, 2024 to Aug 12, 2025	ERU, Kolkata
13	Shampa Bhattacharjee	Shiv Nadar Institute of Eminence	Aug 21-31, 2024	EPU, Delhi
14	Anshuman S. Pal	Department of Economics, University of Chicago, USA	Sep 01, 2024 to Feb 28, 2025	ERU, Kolkata
15	Wilima Wadhwa	ASER	Oct 01 to Dec 15, 2024	EPU, Delhi
16	Tim Dominik Maurer	NHH Norwegian School of Economics	Oct 03-08, 2024	EPU, Delhi
17	Ankush Asri	Chr. Michelson Institute, University of Konstanz	Dec 03, 2024 to Jan 31, 2025	EPU, Delhi
18	Anil K. Bera	Department of Economics, University of Illinois, 225E David Kenley hall, 1407 W. Gregory Dr. Urbana, IL 61801, USA	Dec 05-17, 2024	ERU, Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
19	Abhijeet Singh	Dept of Economics, Stockholm School of Economics	Dec 09-21, 2024	EPU, Delhi
20	Viola Asri	Chr. Michelson Institute	Dec 12, 2024 to Jan 17, 2025	EPU, Delhi
21	Professor Utpal Kumar De	Department of Economic, North-Eastern Hill University, Shillong, Meghalaya	Dec 18, 2024 to Feb 02, 2025	ERU, Kolkata
22	Zahid Gulzar	Government Degree College Kashmir	Jan 15 to Feb 07, 2025	EAU, Bangalore
23	Babita Chatterjee	Department of HSS, IIT Varanasi	Jan 17 to Mar 31, 2025	SRU, Giridih
24	Kakoli Das	Assistant Professor of Geography, CDOE, Vidyasagar University, West Bengal, India	Jan 31 to Mar 31, 2025	PSU, Kolkata
25	Marcin Dziubinnski	University of Warsaw	Feb 14-21, 2025	EPU, Delhi
26	Vis Taraz	Smith College	Feb 17-21, 2025	EPU, Delhi
27	Francis Bloch	University Paris 1 Pantheon Sorbonne; Paris School of Economics	Feb 21, 2025	EPU, Delhi
28	Surjit V	National Institute of Rural Development	Mar 06-07, 2025	EAU, Bangalore
29	Uttiya Paul	University of Kansas	Mar 06-07, 2025	EPU, Delhi
30	Tilak Sanyal	Shibpur Dinobundhoo Institution	Mar 06-07, 2025	EPU, Delhi
31	Ambarish Chandra	University of Toronto at Scarborough	Mar 19-21, 2025	EPU, Delhi
32	Debasmita Mukherjee	University of New Brunswick	May 14-16, 2024	LRU, Kolkata
33	Somadev Kar	Indian Institute of Technology, Ropar, India	Jun 18-20, 2024	LRU, Kolkata

Statistical Quality Control and Operations Research Division (SQCORD)

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Sonali Sharma	Malaviya National Institute of Technology, Jaipur	Feb 12 to May 03, 2024	SQCORU, Kolkata
2	Suparna Basu	MVN Banaras Hindu University	Jun 10-21, 2024	SQCORU, Kolkata
3	Nirpeksh Kumar	Department of Statistics, Banaras Hindu University	Jul 15-26, 2024	SQCORU, Kolkata
4	S Hanumantha Rao	Vignan University	Feb 11 to Jul 11, 2025	SQCORU, Hyderabad
5	Pirmin Fontaine	Catholic University of Ingolstadt	Feb 16 to Mar 03, 2025	SQCORU, Hyderabad
6	Prasad Velaga	Optisol LLP, USA	Mar 10 to Jul 31, 2025	SQCORU, Bangalore

Statistical Sciences Division (StatSD)

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Shibdas Bandyopadhyay	Former Professor, Indian Statistical Institute, Kolkata	Oct 01, 2012 to Aug 07, 2025	SOSU, Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
2	Aloke kar	Indian Statistical Service	Mar 01, 2014 to Aug 07, 2025	SOSU, Kolkata
3	Mausumi Bose	Former Professor, Indian Statistical Institute, Kolkata	Aug 01, 2023 to Aug 07, 2025	SOSU, Kolkata
4	Gopa Chattopadhyay	Indian Statistical Service	Apr 01, 2024 to Aug 07, 2025	SOSU, Kolkata
5	Amita Pal	Former Professor, Indian Statistical Institute, Kolkata	May 03, 2024 to Mar 31, 2025	ISRU, Kolkata
6	Banasri Basu	Former Professor, Indian Statistical Institute, Kolkata	May 10, 2024 to Mar 31, 2025	ISRU, Kolkata
7	Hassan Doosti	Science and Engineering, Macquarie University	Sep 17, 2024 to Mar 31, 2025	StatSU, Delhi
8	Joseph D Engmark	University of Maryland-College Park, USA	Oct 01, 2024 to Jun 27, 2025	SOSU, Kolkata
9	Yogendra Chaubey	Concordia University	Oct 31 to Nov 10, 2024	StatSU, Delhi
10	Dootika Vats	IIT, Kanpur	Nov 18-19, 2024	StatSU, Delhi
11	Soumendu Sundar Mukherjee	Assistant Professor, Indian Statistical Institute, Kolkata	Dec 01-10, 2024	StatSU, Delhi
12	Asis Kumar Chattopadhyay	Calcutta University	Jan 01, 2025 to Jun 30, 2026	ISRU, Kolkata
13	Rajeeva L Karandikar	Chennai Mathematical Institute	Feb 11 to Mar 12, 2025	StatSU, Delhi
14	Anik Roy	Indian Statistical Institute, Kolkata	Mar 03-25, 2025	ISRU, Kolkata
15	Siddhartha Nandy	Department of Mathematics, Case Western Reserve University	Mar 18-31, 2025	ASU, Kolkata

Theoretical Statistics and Mathematics Division (TSMd)

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Esrafil Ali Molla	RKMVERI, Belur Math	Dec 01, 2023 to Jun 30, 2024	SMU, Kolkata
2	Satyabrat Sahoo	IIT Hyderabad	Jan 09 to Apr 01, 2025	SMU, Delhi
3	Mohd Harun	IIT Kanpur	Feb 01 to May 31, 2024	SMU, Kolkata
4	Sanehlata	IIT Kanpur	Apr 01 to Jun 30, 2024	SMU, Bangalore
5	Devendra Tiwari	Bhaskaracharya Pratishthan Pune	Apr 05 to Jul 04, 2024	SMU, Bangalore
6	Ankita Jindal	Indian Statistical Institute, Bangalore	Apr 08-19, 2024	SMU, Delhi
7	Francois Le Maitre	Universite Paris Cite, France	Apr 12 to May 03, 2024	SMU, Delhi
8	Ravindranathan Thangadurai	HRI Prayagraj	Apr 17, 2024	SMU, Kolkata
9	Lalit Vaishya	IMSc Chennai	Apr 19-26, 2024	SMU, Delhi
10	Krzysztof Latuszynski	University of Warwick	Apr 24-25, 2024	SMU, Delhi
11	Manali Sajjan	IIT Guwahati	Apr 29 to May 07, 2024	SMU, Kolkata
12	Sayan Chakrabarty	University of Illinois, Urbana-Champaign	Apr 29, 2024	SMU, Kolkata
13	Bodhisattva Sen	Columbia University	May 06, 2024	SMU, Kolkata
14	Anurag Dey	Indian Statistical Institute, Kolkata	May 07 to Jul 27, 2024	SMU, Kolkata
15	Anuj Jakhar	IIT Madras	May 19 to Jun 03, 2024	SMU, Delhi
16	Salman Ashraf	IIT Mandi	May 21 to Jul 31, 2024	SMU, Kolkata
17	Sarode Rekha	Pondichery University	May 22 to Aug 21, 2024	SMU, Delhi
18	Saranya Nair	BITS Goa	Jun 01-08, 2024	SMU, Delhi
19	Shanola Sequeira	IIT Hyderabad	Jun 01 to Aug 13, 2024	SMU, Bangalore

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
20	Bipul Saurabh	IIT Gandhinagar	Jun 02-07, 2024	SMU, Delhi
21	Sohom Bhattacharya	University of Florida	Jun 03, 2024	SMU, Kolkata
22	Kartick Adhikari	IISER Bhopal	Jun 03-04, 2024	SMU, Kolkata
23	Rohit Gupta	BITS PILANI, Hyderabad	Jun 06-07, 2024	SMU, Delhi
24	Kannappan Sampath	University of Michigan	Jun 12 to Aug 26, 2024	SMU, Bangalore
25	Moulinath Banerjee	University of Michigan	Jun 19 to Apr 19, 2024	SMU, Kolkata
26	Parnashree Ghosh	Indian Statistical Institute, Kolkata	Jun 21 to Jul 26, 2024	SMU, Kolkata
27	Rajarshi Mukherjee	Harvard University	Jun 25 to Jul 21, 2024	SMU, Kolkata
28	Jhih-Huang Li	National Taiwan University	Jul 01-05, 2024	SMU, Kolkata
29	Ranjan Bera	Indian Statistical Institute, Bangalore	Jul 01-12, 2024	SMU, Delhi
30	Ravi Kalwaniya	IIT Madras	Jul 01-19, 2024	SMU, Delhi
31	Debleena Thacker	Durham University	Jul 10-31, 2024	SMU, Kolkata
32	K. Srinivas	IMSc Chennai	Jul 12-20, 2024	SMU, Delhi
33	Anuj Jakhar	IIT Chennai	Jul 12-20, 2024	SMU, Delhi
34	Andriamanankasina Ramanantoanina	University of Szeged	Jul 15-16, 2024	SMU, Delhi
35	Saurabh Kumar Singh	IIT Kanpur	Jul 16-23, 2024	SMU, Kolkata
36	Subhajit Goswami	TIFR	Jul 18-26, 2024	SMU, Kolkata
37	Sugato Mukhopadhyay	SISSA, Trieste	Jul 24 to Aug 09, 2024	SMU, Kolkata
38	Tejas Kalelkar	IISER Pune	Jul 30-31, 2024	SMU, Delhi
39	Buddhadev Hajra	TIFR Mumbai	Aug 01-31, 2024	SMU, Kolkata
40	Ritwik Pal	Indian Statistical Institute, Kolkata	Aug 01 to Oct 31, 2024	SMU, Kolkata
41	Sanjoy Chatterjee	IISER, Kolkata	Aug 01, 2024 to Jan 31, 2025	SMU, Kolkata
42	Sk Asfaq Hossain	NISER Bhubaneswar	Aug 05, 2024 to Jan 04, 2025	SMU, Kolkata
43	Arup Bose	Former Professor, Indian Statistical Institute, Kolkata	Aug 06-08, & Sep 19-21, 2024	SMU, Delhi
44	Takao Komatsu	Nagasaki University	Aug 08-16, 2024	SMU, Delhi
45	Neeraj Deshmukh	Institute of Mathematics, Polish Academy of Sciences	Aug 15-22, 2024	SMU, Kolkata
46	Iswariya Sitiraju	Louisiana State University	Aug 16 to Nov 30, 2024	SMU, Kolkata
47	Prateek Kumar Vishwakarma	IISc Bengaluru,	Aug 17-20, 2024	SMU, Delhi
48	Satyaki Bhattacharya	Lund University	Aug 20, 2024	SMU, Kolkata
49	Partha Pratim Ghosh	Technische Universität Braunschweig,	Aug 21-28, 2024	SMU, Delhi
50	Aritra Guha	Data Science and AI Research, AT&T	Aug 26, 2024	SMU, Kolkata
51	Devendra Tiwari	Bhaskaracharya Pratisthan Pune	Sep 13-25, 2024	SMU, Delhi
52	Karthick Babu C G	Indian Statistical Institute, Bangalore	Sep 19 to Dec 03, 2024	SMU, Kolkata
53	Suman Mukherjee	NISER, Bhubaneswar	Sep 23 to Dec 22, 2024	SMU, Kolkata
54	Soham Banerjee	University of Chicago	Sep 30, 2024	SMU, Kolkata
55	Bhaswar B. Bhattacharya	University of Pennsylvania	Oct 04, 2024	SMU, Kolkata
56	Rajendra Bhatia	Ashoka University	Oct 07, 2024	SMU, Kolkata
57	Yashonidhi Pandey	IISER Mohali	Oct 09, 2024	SMU, Delhi

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
58	K. Srinivas	IMSc Chennai	Oct 10-13, 2024	SMU, Delhi
59	Anuj Jakhar	IIT Madras	Oct 10-13, 2024	SMU, Delhi
60	Prajakta Satish Sahasrabuddhe	IITB	Oct 11 to Dec 19, 2024	SMU, Bangalore
61	Moumanti Podder	IISER PUNE	Oct 20-28, 2024	SMU, Delhi
62	Rumpa Masanta	Indian Institute of Science, Bangalore	Oct 21, 2024	SMU, Kolkata
63	Yogendra Chaubey	Concordia University	Oct 31 to Nov 11, 2024	SMU, Delhi
64	Sanehlata	Indian Statistical Institute, Bangalore	Nov 04, 2024 to Feb 03, 2025	SMU, Kolkata
65	Anurag Sahay	University of Purdue	Nov 11-15, 2024	SMU, Kolkata
66	Soumendra Ganguly	Aarhus University	Nov 14, 2024	SMU, Kolkata
67	Takashi Sano	Yamagata University	Nov 18-22, 2024	SMU, Delhi
68	Michel Waldschmidt	Sorbonne Université,	Nov 18-19, 2024	SMU, Delhi
69	Sutanu Roy	IIT Bombay	Nov 21, 2024	SMU, Kolkata
70	Gokhan Soydan	Bursa Uludag University	Nov 22-25, 2024	SMU, Delhi
71	Saranya Nair	BITS Goa	Dec 01-03, 2024	SMU, Delhi
72	Takashi Sano	Yamagata University	Dec 02-03, 2024	SMU, Delhi
73	Vijaya Kumar U	IISc Bangalore	Dec 02, 2024 to Mar 31, 2025	SMU, Bangalore
74	Somnath Jha	IIT Kanpur	Dec 02-10, 2024	SMU, Delhi
75	Aishik Chattopadhyay	RKMVERI, Belur	Dec 05, 2024	SMU, Kolkata
76	Purbayan Chakraborty	IMPAN, Warsaw	Dec 09-31, 2024	SMU, Kolkata
77	Pierre Fima	Université Paris Cité	Dec 09-20, 2024	SMU, Delhi
78	Sagnik Nandy	Department of Statistics, University of Chicago	Dec 12, 2024	SMU, Kolkata
79	Subhadip Majumder	TIFR Mumbai	Dec 18, 2024	SMU, Kolkata
80	Fuzhen Zhang	Nova Southeastern University, Fort Lauderdale, Florida	Dec 18, 2024	SMU, Delhi
81	Manami Roy	Lafayette College, Easton	Dec 19, 2024	SMU, Kolkata
82	Mithun Das	ICTP, Trieste	Dec 19, 2024	SMU, Kolkata
83	Piyasa Sarkar	The Institute of Mathematical Sciences, Chennai	Dec 19, 2024 to Mar 31, 2025	SMU, Kolkata
84	Subhankar Sau	Indian Statistical Institute, Kolkata	Dec 23, 2024 to Mar 13, 2025	SMU, Kolkata
85	Soumya Das	IISc, Bengaluru	Dec 26, 2024	SMU, Kolkata
86	Sagnik Nandy.	University of Chicago, USA	Jan 01-13, 2025	SMU, Kolkata
87	Debjit Pal	IISER Pune	Jan 01 to Mar 31, 2025	SMU, Kolkata
88	Satyajit Guin	IIT Kanpur	Jan 02-04, 2025	SMU, Kolkata
89	Bikramjit Das	Singapore University of Technology	Jan 03 to Feb 17, 2025	SMU, Kolkata
90	S.K. Jain	Ohio University	Jan 05 to Feb 15, 2025	SMU, Delhi
91	André Leroy	Université d'Artois,	Jan 05 to Feb 15, 2025	SMU, Delhi
92	Subhajit Goswami.	TIFR Mumbai	Jan 06-19, 2025	SMU, Kolkata
93	Pietro Caputo	Università Roma Tre	Jan 07-12, 2025	SMU, Kolkata
94	Siddhaarth Sarkar	Carnegie Mellon University	Jan 13, 2025	SMU, Kolkata
95	Purbayan Chakraborty.	University of Warsaw	Jan 13, 2025	SMU, Kolkata
96	Tanushree Shah	Chennai Mathematics Institute	Jan 15, 2025	SMU, Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
97	Gopal Chandra Dutta	IIT Madras	Jan 15-31, 2025	SMU, Kolkata
98	Pietro Caputo	Dipartimento di Matematica e Fisica, Università Roma Tre Largo San Murialdo	Jan 15, 2025	SMU, Delhi
99	Jaydeb Sarkar	ISI Bangalore	Jan 16-18, 2025	SMU, Delhi
100	Rajarshi Mukherjee.	Harvard University	Jan 17 to Feb 05, 2025	SMU, Kolkata
101	Olivier Ramaré	CNRS/Institut de Mathématiques de Marseille	Jan 19-25, 2025	SMU, Kolkata
102	Abhay Jindal	IISc Bengaluru	Jan 22, 2025	SMU, Delhi
103	Vignesh Subramanian	Utrecht University	Jan 23, 2025	SMU, Kolkata
104	Jean-Marc Deshouillers	University of Bordeaux	Jan 24 to Feb 02, 2025	SMU, Delhi
105	Mainak Ghosh	Beijing Institute of Mathematical Sciences and Applications	Jan 27, 2025	SMU, Kolkata
106	Ritika Singhal	IIT Delhi	Feb 02 to Mar 31, 2025	SMU, Delhi
107	Saurav Holme Choudhury	IMSc Chennai	Feb 03 to Aug 02, 2025	SMU, Kolkata
108	Prashant Makadiya	Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad	Feb 06 to Mar 31, 2025	SMU, Kolkata
109	Nurun Nesha	IISER, Kolkata	Feb 07 to Jun 30, 2025	SMU, Kolkata
110	Bodhisattva Sen	Columbia University, New York	Feb 10, 2025	SMU, Kolkata
111	Eknath Ghate	TIFR Mumbai	Feb 10-28, 2025	SMU, Delhi
112	Monika Paul	IIT Madras	Feb 10 to Mar 31, 2025	SMU, Delhi
113	Divya Ahuja	IIT Delhi	Feb 10 to Mar 31, 2025	SMU, Bangalore
114	Irfan Habib	The Institute of Mathematical Sciences, Chennai	Feb 11, 2025	SMU, Kolkata
115	Md Nurul Molla	IISER, Kolkata	Feb 13, 2025	SMU, Kolkata
116	Himanshi Khurana	HRI Allahabad	Feb 13-15, 2025	SMU, Delhi
117	Mansi Anil Suryawanshi	Indian Statistical Institute, Bangalore	Feb 13 to Mar 31, 2025	SMU, Bangalore
118	Namitha C H	IMSc, Chennai	Feb 13 to May 12, 2025	SMU, Bangalore
119	Moumanti Podder	IISER Pune	Feb 17-26, 2025	SMU, Delhi
120	Kuntal Chakraborty	HRI Prayagraj	Feb 17 to Mar 31, 2025	SMU, Kolkata
121	Kunal Mukherjee	IIT Madras	Feb 18-23, 2025	SMU, Delhi
122	Gopal Maiti	University of Genoa	Feb 24-28, 2025	SMU, Kolkata
123	Hadeki Tanemura	Keio University	Feb 24 to Mar 09, 2025	SMU, Delhi
124	Gadadhar Misra	IIT Gandhinagar	Mar 02-09, 2025	SMU, Delhi
125	Sugata Mandal	RKMVERI	Mar 03-31, 2025	SMU, Bangalore
126	Masato Takei	Yokohama National University	Mar 04-09, 2025	SMU, Delhi
127	David Blanc	University of Haifa	Mar 08-14, 2025	SMU, Kolkata
128	Chandan Singh Dalawat	NBHM Chair Professor, Central University of Rajasthan	Mar 08-23, 2025	SMU, Kolkata
129	Claus Koestler	UCC - National University of Ireland	Mar 10-16, 2025	SMU, Kolkata
130	Saranya Nair	BITS Goa	Mar 11-16, 2025	SMU, Delhi

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
131	Swagata Sarkar	UM-DAE Centre for Excellence in Basic Sciences (CEBS)	Mar 17 to Jun 26, 2025	SMU, Kolkata
132	Malay Mandal	IIMSc Chennai	Mar 19-23, 2025	SMU, Delhi
133	K Srinivas	IMSC Chennai	Mar 20-25, 2025	SMU, Delhi
134	Anuj Jakhar	IIT Madras	Mar 20-25, 2025	SMU, Delhi
135	Makoto Yamashita	University of Oslo	Mar 22-31, 2025	SMU, Delhi
136	Claus Kostler	University College Cork	Mar 23-31, 2025	SMU, Delhi
137	Keshab Chandra Bakshi	IIT Kanpur	Mar 23-30, 2025	SMU, Delhi
138	Kunal Krishna Mukherjee	IIT Madras	Mar 23-31, 2025	SMU, Delhi
139	Manjunath Krishnapur	IISc Bengaluru	Mar 23-31, 2025	SMU, Delhi
140	Debarghya Ghoshdastidar	Technical University of Munich	Mar 24-27, 2025	SMU, Kolkata
141	Gopal Maiti.	University of Genoa	Mar 25-26, 2025	SMU, Kolkata
142	Pronay Kumar Karmakar	IISER Mohali	Mar 25 to Apr 25, 2025	SMU, Delhi
143	Sayan Das	University of Chicago	Mar 27, 2025	SMU, Kolkata

Academic Centres

The Centre for Research on the Economics of Climate, Food, Energy, and Environment (CECFEE)

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Ujjayant Chakravorty	Tufts University	Aug 05-09, 2024	CECFEE, Delhi
2	Shoibal Chakravarty	Divecha Centre for Climate Change, IISc, Bangalore	Jan 27-28, 2025	CECFEE, Delhi
3	Vis Taraz	Smith College	Feb 17-21, 2025	CECFEE, Delhi

Center for Soft Computing Research (CSCR), Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Anima Pramanik	IIM Ahmedabad	Oct 07, 2024 to Mar 31, 2025	CSCR, Kolkata

R. C. Bose Centre for Cryptology and Security (RCBCCS), Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
1	Susanta Samanta	Indian Statistical Institute, Kolkata	Jan 01 to May 31, 2024	RCBCCS, Kolkata
2	Anirudhha Biswas	Indian Statistical Institute, Kolkata	Jan 01 to Jun 30, 2024	RCBCCS, Kolkata
3	Jyotirmoy Basak	Indian Statistical Institute, Kolkata	Jan 01-30, 2024	RCBCCS, Kolkata
4	Ayantika Laha	Indian Institute of Technology Ropar	May 01 to Oct 31, 2024	RCBCCS, Kolkata
5	Dr. Sourav Bera	National Institute of Technology Waranga	Aug 01 to Oct 31, 2024	RCBCCS, Kolkata
6	Anushree Belel	Indian Institute of Technology Kharagpur	Aug 01-31, 2024	RCBCCS, Kolkata

Sl.	Name of the Visiting Scientist	Preceding Affiliation	Duration	Unit Attached
7	Subhajit Pramanick	Indian Institute of Technology Guwahati	Oct 01, 2024 to Mar 31, 2025	RCBCCS, Kolkata
8	Shouvik Gharai	Indian Statistical Institute, Kolkata	Oct 01 to Dec 31, 2024	RCBCCS, Kolkata
9	Arghya Bhattacharya	Indian Statistical Institute, Kolkata	Oct 01, 2024 to Feb 28, 2025	RCBCCS, Kolkata
10	Dipayan Das	NTT Social Informatics Laboratories	Dec 02, 2024 to Feb 05, 2025	RCBCCS, Kolkata
11	Animesh Roy	Indian Statistical Institute, Kolkata	Jan 01-31, 2025	RCBCCS, Kolkata

6.5.2 Research Associates

Biological Sciences Division (BSD)

Sl.	Name of the Research Associates	Duration	Unit Attached
1	Simran Sinsinwar	Aug 14, 2023 to Jan 31, 2025	HGU, Kolkata

Computer and Communications Sciences Division (CCSD)

Sl.	Name of the Research Associates	Duration	Unit Attached
1	Ashmita Dey	Feb 13, 2025 to Feb 12, 2026	MIU, Kolkata
2	Ashmita Dey	Sep 23, 2023 to Dec 28, 2024	MIU, Kolkata
3	Paramita Koley	Mar 19, 2024 to Mar 18, 2026	MIU, Kolkata
4	Koyel Mandal	Mar 20, 2024 to Mar 19, 2026	MIU, Kolkata

Physics and Earth Sciences Division (PESD)

Sl.	Name of the Research Associates	Duration	Unit Attached
1	Md Riajul Haque	Sep 06, 2024 to Mar 31, 2025	PAMU, Kolkata
2	Biswajit Das	Apr 01, 2024 to Mar 31, 2027	PAMU, Kolkata
3	Swagata Chowdhury	Sep 04, 2023 to Sep 27, 2024	GSU, Kolkata

Social Sciences Division (SSD)

Sl.	Name of the Research Associates	Duration	Unit Attached
1	Thahseena Muhseena S	Jul 01 to Sep 30, 2024	DRTC, Bangalore
2	Ram Vishwas Chourasiya	Jul 01, 2024 to Mar 31, 2026	DRTC, Bangalore

Statistical Quality Control and Operations Research Division (SQCORD)

Sl.	Name of the Research Associates	Duration	Unit Attached
1	Monalisa Masanta	Jul 06, 2022 to Jun 30, 2024	SQCORU, Kolkata
2	Sushil Kumar Dey	Jul 21, 2023 to Jul 20, 2025	SQCORU, Kolkata
3	Jayanta Kumar Majhi	Jul 18, 2023 to Mar 31, 2025	SQCORU, Kolkata
4	Viswakala K V	Apr 01, 2024 to Mar 31, 2025	SQCORU, Bangalore

Statistical Sciences Division (StatSD)

Sl.	Name of the Research Associates	Duration	Unit Attached
1	Suparna Biswas	Dec 20, 2024 to Mar 31, 2026	ASU, Bangalore

Theoretical Statistics and Mathematics Division (TSMD)			
Sl.	Name of the Research Associates	Duration	Unit Attached
1	Karthick Babu	Sep 05, 2022 to Sep 04, 2024	SMU, Bangalore
2	Soma Das	Oct 18, 2023 to Oct 31, 2024	SMU, Bangalore
3	Priyanka Majumder	Nov 20, 2023 to Mar 31, 2025	SMU, Bangalore
4	Nandagopal Ramachandran	Jan 01 to Mar 31, 2025	SMU, Bangalore
5	Gobinda Sau	Feb 08, 2024 to Mar 31, 2025	SMU, Bangalore
6	Bidwan Chakraborty	Dec 12, 2022 to Oct 09, 2024	SMU, Kolkata
7	Subhankar Sau	Dec 19, 2022 to Dec 18, 2024	SMU, Kolkata
8	Eshraf Ali Molla	Aug 28, 2024 to Mar 31, 2026	SMU, Kolkata
9	Monika	Sep 30, 2024 to Mar 31, 2026	SMU, Kolkata
10	Bidwan Chakraborty	Oct 10, 2024 to Jan 07, 2025	SMU, Kolkata
11	Anbu Arjunan	Dec 01, 2023 to Nov 30, 2024	SMU, Delhi
12	Naresh Garg	Oct 13, 2023 to Dec 26, 2024	SMU, Delhi
13	Diptesh Kumar Saha	Nov 20, 2023 to Nov 19, 2025	SMU, Delhi
14	Sonika	Mar 12 to Jun 30, 2024	SMU, Delhi
15	Raju Nandi	Jan 02 to Apr 15, 2025	SMU, Delhi
16	Rahul kumar	Feb 12, 2025 to Feb 11, 2026	SMU, Delhi
17	Sumangal Bhattacharya	Feb 20, 2025 to Feb 19, 2026	SMU, Delhi

Academic Centres

Center for Soft Computing Research (CSCR), Kolkata			
Sl.	Name of the Research Associates	Duration	Unit Attached
1	Debashree Dutta	Nov 29, 2023 to Oct 31, 2025	CSCR, Kolkata
2	Sayani Adak	Nov 11, 2024 to Aug 31, 2025	CSCR, Kolkata
3	Saikat Biswas	Nov 11, 2024 to Apr 30, 2025	CSCR, Kolkata

6.5.3 Post-Doctoral Fellow

Biological Sciences Division (BSD)			
Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Snehalika Lall	Dec 24, 2024 to Aug 11, 2025	HGU, Kolkata

Computer and Communications Sciences Division (CCSD)			
Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Veena Prabhakaran	Apr 01, 2024 to Dec 15, 2024	CSU, Chennai

Theoretical Statistics and Mathematics Division (TSMD)			
Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Dibyendu Mondal	Aug 01, 2021 to Apr 14, 2024	SMU, Kolkata
2	Ritwik Pal	Aug 01, 2021 to Jul 31, 2024	SMU, Kolkata
3	Sumit Kumar Rano	Aug 01, 2021 to Jun 17, 2024	SMU, Kolkata
4	Tathagata Mondal	Aug 01, 2021 to Jul 31, 2024	SMU, Kolkata
5	Kajal Das	Aug 01, 2021 to Jul 31, 2024	SMU, Kolkata
6	Sampa Dey	May 01, 2022 to Apr 30, 2025	SMU, Kolkata
7	Samriddho Roy	Sep 01, 2022 to Jul 13, 2025	SMU, Delhi
8	Rupam Karmakar	Dec 01, 2022 to Nov 30, 2025	SMU, Kolkata

9	Shambhu Nath Maurya	Apr 01, 2023 to Mar 31, 2025	SMU, Kolkata
10	Mohit Mishra	May 29, 2023 to Jan 01, 2025	SMU, Delhi
11	Aniruddha Samanta	Jul 01, 2023 to Jun 30, 2026	SMU, Kolkata
12	Rajib Sarkar	Aug 01, 2023 to Nov 25, 2024	SMU, Kolkata
13	Ishan Mata	Aug 01, 2023 to Jul 31, 2025	SMU, Delhi
14	Leena Jindal	Feb 01, 2024 to Jan 31, 2026	SMU, Delhi
15	Amit Kumar Paul	May 01, 2024 to Apr 30, 2027	SMU, Kolkata
16	Debasish Karmakar	Jul 01, 2024 to Jun 30, 2027	SMU, Kolkata
17	Sonika	Jul 01, 2024 to Jun 30, 2026	SMU, Delhi
18	Ranjan Bera	Aug 01, 2024 to Jul 31, 2025	SMU, Delhi
19	Nishant	Nov 01, 2024 to Oct 31, 2025	SMU, Delhi

6.5.4 Inspire Faculty Fellow

Biological Sciences Division (BSD)

Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Tanoy Mukherjee	Jan 01, 2024 to Jun 30, 2025	AERU, Kolkata

Computer and Communications Sciences Division (CCSD)

Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Abhranil Chatterjee	May 02, 2023 to Dec 13, 2024	ACMU, Kolkata

Physics and Earth Sciences Division (PESD)

Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Amit Dutta Banik	Sep 20, 2021 to Sep 19, 2026	PAMU, Kolkata

Theoretical Statistics and Mathematics Division (TSMD)

Sl.	Name of the Visiting Scientist	Duration	Unit Attached
1	Nilkantha Das	Aug 01, 2022 to Jul 31, 2027	SMU, Kolkata
2	Sumit Roy	Apr 03, 2023 to Apr 02, 2028	SMU, Kolkata
3	Shyam Swarup Mondal	Apr 16, 2024 to Apr 15, 2029	SMU, Kolkata
4	Lalit Vaishya	May 09, 2024 to May 08, 2029	SMU, Delhi
5	Paramita Pramanick	May 27, 2024 to May 26, 2029	SMU, Kolkata
6	Pranendu Darbar	Aug 16, 2024 to Aug 15, 2029	SMU, Kolkata



Chapter

7

Events

148	No. of Conferences, Symposia, Workshops & Training Programmes Organised
365	No. of Lectures
08	No. of Outreach Activities



7.1 Convocation

Indian Statistical Institute

The 59th Convocation of the Indian Statistical Institute was held on 4th February, 2025, at 2:30 pm at the Indian Statistical Institute, Delhi Centre. It started with a Vedic Hymn by the ISI Club, followed by a welcome address delivered by Prof. Sankar Kumar Pal, President, ISI and annual review by Prof. Sanghamitra Bandyopadhyay, Director, ISI. Dr. Saurabh Garg, IAS, Secretary, Ministry of Statistics and Programme Implementation (MoSPI), Govt. of India delivered his Address as a Special Guest of the Convocation. The Convocation Address was delivered by Professor Abhijit Banerjee, recipient of the Nobel Memorial Prize in Economic Sciences and Ford Foundation International Professor of Economics, MIT, USA as a Chief Guest of the Convocation. Degrees and Diplomas were awarded by Prof. Sankar Kumar Pal, President of the Institute. Prizes and Gold Medals were given to the students both by Professor Abhijit Banerjee, the Chief Guest of this convocation and by Dr. Saurabh Garg, the Special Guest of the 59th Convocation. A vote of thanks was given by Prof. Biswabrata Pradhan, Dean of Studies, Indian Statistical Institute. The 59th Convocation was closed by Prof. Sankar Kumar Pal, President of the Institute, followed by the National Anthem by the ISI Club.



The outgoing batch of students of all degree and diploma programmes were next felicitated. The meritorious students were awarded their medals and prizes for outstanding performance in the programmes, after which the students were individually presented with their degrees and diplomas.



ISEC Convocation

The Convocation for the 75th batch of the Regular Course entitled “Statistical Theory and Applications” was held on June 27, 2024. Fourteen (14) trainees were awarded the Diploma on their successful completion of the course. These fourteen trainees were from thirteen different countries with five of them being females.



This batch consisted of fourteen trainees from the following thirteen countries namely, Fiji, Burundi, Bangladesh, Niger, Cote D’ivoire, Botswana, Malawi, Myanmar, Ethiopia, Democratic Republic of Congo, Madagascar, Kenya, Gambia

7.2 Conferences, Symposia, Workshops, Training Programs

1. Conferences, Symposia, Workshops

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
1	Apr 02, 2024	Hands on workshop on GenAI within Intel DevCloud		IDEAS-TIH, Kolkata	Virtual
2	Apr 25, 2024	Incubation workshop for startups		IDEAS-TIH, Kolkata	ISI Kolkata
3	May 02-04, 2024	India Sustainable Growth Conference	International Growth Centre (IGC), LSE's Economics of Environment and Energy Programme, University of Warwick	CECFEE, Delhi	London School of Economics (LSE)
4	May 04, 2024	AI Day for Teachers		IDEAS-TIH, Kolkata	ISI, Kolkata
5	May 15, 2024	Gender-Inclusive skilling for an equitable workforce - Virtual panel discussion (DP-WEE project)	IFMR LEAD at Krea University	CECFEE, Delhi	Virtually
6	Jun 03-06, 2024	18th Annual Conference of the Environment for Development Initiative (Efd)	Environment for Development	CECFEE, Delhi	Nairobi, Kenya
7	Jun 03-08, 2024	NCM Workshop on "Holomorphic and Topological Methods in Symplectic Geometry"		SMU, Kolkata	ISI, Kolkata
8	Jul 01-13, 2024	NCM Workshop on "Introduction to Statistical Learning Techniques"		SMU, Kolkata	ISI, Kolkata
9	Jul 09-10, 2024	Workshop on Nutritional Analysis of the National Sample Survey in India - Use of Existing Data for Improved Understanding of Diets and the Potential of Micronutrient Interventions	Bill & Melinda Gates Foundation (BMGF)	CECFEE, Delhi	India Habitat Centre, New Delhi
10	Jul 24-26, 2024	Workshop of Research Strategies in Biological Anthropology: Field and Laboratory Methods		BAU, Kolkata	ISI, Kolkata
11	Aug 16, 2024	Contemporary Issues in Economics: Theory and Policy		ERU, Kolkata	ERU Lecture Theatre Hall, ISI, Kolkata
12	Aug 22-24, 2024	Workshop on Design of Experiment with "R"		SQCORU, Mumbai	Virtually
13	Aug 27-28, 2024	National Rural Entrepreneurship Summit 2024		SRU, Giridih	ISI, Giridih

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
14	Sep 23-28, 2024	Workshop on R Programming Software, for Anthropology and Allied Disciplines		AERU, Kolkata	ISI, Kolkata
15	Sep 23-28, 2024	Workshop on R Programming Software, for Anthropology and Allied Disciplines		BAU, Kolkata	ISI, Kolkata
16	Oct 02, 2024	EfD pre-conference workshop jointly arranged by SETI and the IGE program	SETI and the IGE program	CECFEE, Delhi	Nairobi, Kenya
17	Oct 27-28, 2024	Conference on Probability Theory		SMU, Delhi	ISI, Delhi
18	Nov 04-09, 2024	Coding Bootcamp	under ISEA Phase-III, externally funded project	RCBCCS, Kolkata	ASU Seminar Room, ISI, Kolkata
19	Nov 04-09, 2024	Coding Bootcamp	under ISEA Phase-III, externally funded project	CSRU, Kolkata	ASU Seminar Room, ISI, Kolkata
20	Nov 07-09, 2024	8th Annual CECFEE Research & Policy Workshop	Environment for Development and SRIJAN Foundation	CECFEE, Delhi	Khajuraho, Madhya Pradesh
21	Nov 11-15, 2024	A five days workshop on "Data Science Foundation: Survey Sampling, Data Visualization & Official Statistics"	ICFAI University, Tripura	SOSU, Kolkata	Dept. of Mathematics, ICFAI University, Tripura
22	Nov 22-23, 2024	Machine Learning for Cryptology (ML4Crypto 2024)	DRDO	CAIML, Kolkata	ISI, Kolkata
23	Nov 25, 2024	Workshop on Scientific Paper Writing		BAU, Kolkata	ISI, Kolkata
24	Nov 26, 2024	Workshop on Project and Report Writing	Anthropological Survey of India	BAU, Kolkata	ISI, Kolkata
25	Nov 26-30, 2024	International Conference on Diophantine Equations, Polynomials and Related Areas - 2024	NBHM	SMU, Delhi	ISI, Delhi
26	Nov 27, 2024	Brainstorming workshop on climate change induced heat wave adaptation interventions for slum dwellers of Delhi	IEG	CECFEE, Delhi	India International Center, Delhi
27	Dec 01-05, 2024	27th International Conference on Pattern Recognition	IAPR	CVPRU, Kolkata	ISI, Kolkata

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
28	Dec 14, 2024	Inclusive and Equitable Rural Healthcare Services		SRU, Giridih	Virtually
29	Dec 17, 2024	Celebrating Economic Theory: A workshop in Honour of Manipushpak Mitra		ERU, Kolkata	ERU Lecture Theatre Hall, ISI, Kolkata
30	Dec 18, 2024	Environment day event	IGC	CECFEE, Delhi	ISI, Delhi
31	Dec 19-21, 2024	Annual Conference on Economic Growth and Development 2024		EPU, Delhi	EPU, ISI, Delhi
32	Dec 23-28, 2024	Faculty Updation Programme	under ISEA Phase-III, externally funded project	RCBCCS, Kolkata	ISI, Kolkata
33	Dec 23-28, 2024	Faculty Updation Programme	under ISEA Phase-III, externally funded project	CSRU, Kolkata	ISI, Kolkata
34	Dec 24, 2024	Interdisciplinary Science: Towards the Bayesian Panacea		ISRU, Kolkata	ISRU, ISI, Kolkata
35	Jan 06- Feb 10, 2025	Understanding Supply Chain and its Research Perspectives using Python		SQCORU, Kolkata	ISI, Kolkata
36	Jan 15, 2025	National Symposium on 'Unity and Commonness among Indian Languages'	Bharatiya Bhasha Samiti, Ministry of Education, Govt. of India	LRU, Kolkata	ASU Seminar Room, ISI, Kolkata
37	Jan 15-16, 2025	Kolkata MSME & Start-up Conclave 2025	Zuxtra Network	IDEAS-TIH, Kolkata	ISI, Kolkata
38	Jan 16-17, 2025	CosmoMingle 2: The Second Cosmology Working Group Meeting		PAMU, Kolkata	ISI, Kolkata
39	Jan 16-23, 2025	Mini-Course titled "Optimal Estimation of Functionals in Nonparametric and High-Dimensional Problems" was held on January 16, 20, 21, and 23, 2025.		SMU, Kolkata	L-1, Stat-Math Unit, ISI, Kolkata
40	Jan 18-22, 2025	8th Winter School in Mathematics		TASU, Tezpur	ISI North-East Centre, Tezpur
41	Jan 20, 2025	Modern Approaches to Analysing Complex Data	Dr. Dipak Dey, Editor-in-Chief of Sankhya, University of Connecticut	ISRU, Kolkata	CSCR Conference Room, ISI, Kolkata
42	Jan 22-24, 2025	Workshop on Multiscale Fluid Dynamics : Engineering Aspects		PAMU, Kolkata	ISI Auditorium, Kolkata

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
43	Jan 22-24, 2025	International Workshop on Semantic Techniques and Technologies for Data and Knowledge Representation(SemTech) with a theme Transforming Library Data into Global Knowledge	INFLIBNET	DRTC, Bangalore	ISI, Bangalore
44	Jan 29-31, 2025	PDF-RS Annual Symposium 2025		SMU, Bangalore	SMU, ISI, Bangalore
45	Feb 01-05, 2025	11th Indian Conference on Logic and its Applications (jointly organized with ACMU, ISI Kolkata)		CSU, Chennai	ISI, Kolkata
46	Feb 03-05, 2025	11th Indian Conference on Logic and its Applications 2025	Science and Engineering Research Board, Department of Science and Technology, Government of India and Indian Association for Research in Computing Science	ACMU, Kolkata	ISI, Kolkata
47	Feb 05-07, 2025	Workshop on Official Statistics in Social Sectors of North-East India		SOSU, Kolkata	SOSU, ISI, Kolkata
48	Feb 06-07, 2025	The SERI-Doctoral conference (SERI-D) - part of the annual capacity building workshop under the DP-WEE project, in collaboration with SERI.	SERI & IFMR LEAD at Krea University	CECFEE, Delhi	ISI, Delhi
49	Feb 06-07, 2025	Big Data Through Bayesian and Non-Bayesian Lenses		ISRU, Kolkata	ISI, Kolkata
50	Feb 09, 2025	International Energy Festival of Kerala - CECFEE researchers gave a technical presentation on scaling electric cooking in the state	Energy Management Centre (EMC), Govt.of Kerala	CECFEE, Delhi	EMC, Thiruvananthapuram
51	Feb 10-14, 2025	Discussion Meeting in Analytic Number Theory		SMU, Kolkata	L ∞ , 5th Floor, Kolmogorov Bhavan, ISI, Kolkata
52	Feb 10-12, 2025	Data Quality Matters! – An Introduction to Survey Research Methods in Demography and Public Health		PSU, Kolkata	PSU Seminar Room, ISI, Kolkata

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
53	Feb 11-12, 2025	Recent Trends in Logic and Game Theory		CSU, Chennai	Madras School of Economics (MSE), Chennai
54	Feb 20-22, 2025	mRNA-seq Library Preparation and Data Analysis		HGU, Kolkata	ISI, Kolkata
55	Feb 20-21, 2025	National Symposium on Quantum Information and Foundations (NSQIF2025)		PAMU, Kolkata	ISI Auditorium, Kolkata
56	Feb 24- Mar 01, 2025	Workshop on Data Analytics 2024-2025		ISRU, Kolkata	ISI, Kolkata
57	Feb 24-25, 2025	The Economics Conference 2025		ERU, Kolkata	ISI, Kolkata
58	Feb 24-28, 2025	Deep Learning and Artificial Intelligence: Principles & Practice (DLAI2025)	NIT Kurukshetra	CVPRU, Kolkata	NIT, Kurukshetra
59	Mar 03-07, 2025	Workshop on Induced representations and imprimitivity by Prof. Gadadhar Misra		SMU, Delhi	ISI, Delhi
60	Mar 03-05, 2025	Workshop on 'Translation and Annotation of Scientific, Technical and Knowledge Texts'	Ministry of Electronics and Information Technology (MeitY), Govt. of India (Under Vidyaapati (Bhashini) Project)	LRU, Kolkata	ISI, Kolkata
61	Mar 07, 2025	MIU Annual Workshop on Machine Intelligence and Applications 2025		MIU, Kolkata	ISI, Kolkata
62	Mar 17-18, 2025	Workshop on Data Analytics using Python	Department of Statistics, Assam University, Silchar	SQCORU, Kolkata	Assam University, Silchar
63	Mar 17, 2025	Economic Modelling for Climate Policies	Environment for Development	CECFEE, Delhi	Conference Room, Administrative Block, ISI Delhi
64	Mar 23-Apr 23, 2025	Unlocking R for research: A quick intensive workshop		AERU, Kolkata	ISI, Kolkata
65	Mar 24-29, 2025	Young Mathematicians in operator algebras		SMU, Delhi	ISI, Delhi

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
66	Mar 24, 2025	iThenticate 2.0		Library, Kolkata	Online
67	Mar 24-26, 2025	8th India Biodiversity Meet, 2025	Indira Gandhi Rashtriya Manav Sangrahalaya, Anthropological Survey of India & Ratan Lal Bhrmachary Memorial Foundation	BAU and AERU, Kolkata	ISI, Kolkata





2. Training Program

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
1	Mar 02- Apr 28, 2024	Six Sigma Black Belt with Business Analytics Certification(Batch-1)		SQCORU, Hyderabad	Virtually
2	Apr 01, 2024-Mar 31, 2025; .	Six Sigma Training & Implementation		SQCORU, Bangalore	Bangalore
3	Apr 02-Jul 31, 2024	Six Sigma Black Belt	Kirloskar Oil Engine	SQCORU, Pune	Pune
4	Apr 04-Jul 05, 2024	Six Sigma Yellow Belt	Schott Poonawala	SQCORU, Pune	Gujarat
5	Apr 05, 06, 07, 12, 13, 14, 2024	Six Sigma Green Belt Training & Certification- Batch-56		SQCORU, Mumbai	Virtually
6	Apr 08-May 27, 2024	A tribute to late Professor T Parthasarathy : Optimization Tools for Business Analytics - Optimal Decision Making Through Intelligent Modelling		SQCORU, Hyderabad	Hybrid Mode; Offline Venue: ISI, Hyderabad
7	Apr 08-14, 2024	Statistics for Sampling	VKU Certification	SQCORU, Pune	New Delhi
8	Apr 26, 2024-Jan 16, 2025	Study of sample size, sample coverage, analysis and reporting		SQCORU, Mumbai	Delhi International Airport Ltd
9	Apr 29-May 07, 2024	Training program on "Human Resource Management: Field visit to an autonomous Govt. funded Organization to understand ground realities"	State Labour Dept. Govt. Of West Bengal	SOSU, Kolkata	Sampling & Official Statistics Unit(SOSU)
10	May 04-19, 2024	Six Sigma Green Belt (Online)		SQCORU, Hyderabad	Virtually
11	May 07, 2024-Jul 26, 2025	Quantitative Techniques in Geosciences		GSU, Kolkata	GSU Seminar Room, ISI, Kolkata
12	May 13-14, 2024	Training Programme on Data Analytics in Python		CAIML, Kolkata	ISI, Kolkata
13	May 13-17; Sep 23-27, 2024	Lean Six Sigma Master Black Belt Certification		SQCORU, Mumbai	KPMG
14	May 20-25; Jun 10-15; Jul 15-20, 2024	Six Sigma Black Belt Training and Certification Program		SQCORU, Mumbai	Virtually
15	May 27-31, 2024	Six Sigma Green Belt	POINTS, DIAT, Pune	SQCORU, Pune	Pune
16	Jun 08-Jul 27, 2024	Machine Learning using Python and R (ML 06)		SQCORU, Bangalore	SQC & OR Unit
17	Jun 10-Jul 15, 2024	Lean Six Sigma Green Belt with Python (GB 64)		SQCORU, Bangalore	SQC & OR Unit
18	Jun 12-14, 2024	Medical Data Analysis using Python		CAIML, Kolkata	ISI, Kolkata

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
19	Jun 12-30, 2024	Summer Internship-cum-training on Data Science & Social Science		IDEAS-TIH, Kolkata	ISI, Kolkata
20	Jun 15- Jul 21, 2024	Six Sigma Black-Belt SSBB 24-25 01		SQCORU, Pune	Pune
21	Jun 17- Jul 30, 2024	Ninth Summer School on Computer Vision, Image Processing, Machine Learning and Vision Language Models		ECSU, Kolkata	ISI, Kolkata
22	Jun 17-19, 2024	FMEA Workshop		SQCORU, Mumbai	GIA India Laboratory Pvt. Ltd.
23	Jul 08-25, 2025	Training on SPC, SQC, MSA, ST, DA & AS		SQCORU, Kolkata	Kolkata
24	Jul 11-12, 2024	Training Programme on Data Analytics in Python		CAIML, Kolkata	ISI, Kolkata
25	Jul 20-Oct 31, 2024	Data Science Internship-cum-Training		IDEAS-TIH, Kolkata	Virtually
26	Jul 22-Aug 10, 2024	Lean Six Sigma Black Belt (BB 41)		SQCORU, Bangalore	ISI, Bangalore
27	Jul 24-Oct 25, 2024	Network planning and route optimization of 6 bus routes		SQCORU, Mumbai	Greencell Express Private Ltd.
28	Jul 27-Sep 01, 2024	Master Black-Belt (Batch-01)		SQCORU, Pune	Pune
29	Jul 29, 2024-Jan 13, 2025	Quality Consultative Services	Century Rayon (Aditya Birla)	SQCORU, Pune	Thane, Mumbai
30	Aug 02-04; Aug 09 -11, 2024	Six Sigma Green Belt Training & Certification		SQCORU, Mumbai	Virtually
31	Aug 03-Sep 29, 2024	Six Sigma Black Belt with Business Analytics Certification(Batch-2)		SQCORU, Hyderabad	Virtually
32	Aug 06-Nov 18, 2024	Certification Program on Business Analytics, Data Mining and Operations Research		ISRU, Kolkata	Kolkata
33	Aug 08-Sep 05, 2024	Six Sigma Green Belt Training & Certification		SQCORU, Mumbai	IIM, Shillong
34	Aug 10-Sep 01, 2024	Problem Solving using Design of Experiments (DoE 09)		SQCORU, Bangalore	ISI, Bangalore
35	Aug 12, 2024-Jan 24, 2025	Advanced Data Analytics Program for Defence Officers-24-25	Directorate General Resettlement , Ministry of Defence	SQCORU, Pune	Pune
36	Aug 22, 2025	Indiastat: Your Guide to Accessing Comprehensive and Authentic Socio-Economic Data about India		Library, Kolkata	Online

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
37	Aug 25-Dec 21, 2024	Training Program on Six Sigma Master Black Belt		SQCORU, Chennai	ISI, Chennai
38	Aug 26-31; Sep 30-Oct 05, 2024	Lean Six Sigma Master Black Belt Training & Certification		SQCORU, Mumbai	Virtually
39	Aug 31, 2024-Jan 11, 2025	Training Program on Six Sigma Black Belt		SQCORU, Chennai	ISI, Chennai
40	Sep 02-04, 2024	Training program on Data Analytics		SQCORU, Mumbai	Grid India
41	Sep 14-28, 2024	Six Sigma Green-Belt (Batch-01)		SQCORU, Pune	Pune
42	Sep 19, Sep 20, Oct 14, Oct 15, Nov 11, Nov 12, 2024	Six Sigma Green Belt Training & Certification		SQCORU, Mumbai	Deepak Fertilizers and etrochemicals Limited
43	Oct 05-Nov 10, 2024	Six Sigma Black-belt (Batch-02)		SQCORU, Pune	Pune
44	Oct 15, 2024-Mar 06, 2025	Six Sigma Training & Consulting	HIL Limited	SQCORU, Pune	Hyderabad
45	Oct 15-17, 2024	Consultancy Services		SQCORU, Bangalore	Bangalore
46	Nov 04-09, 2024	Coding Bootcamp	under ISEA Phase-III, externally funded project	RCBCCS, Kolkata	ISI, Kolkata
47	Nov 04-09, 2024	Coding Bootcamp	under ISEA Phase-III, externally funded project	CSRU, Kolkata	ISI, Kolkata
48	Nov 11-12, 2024	Consultancy Services		SQCORU, Bangalore	Bangalore
49	Nov 13-29, 2024	Training on SPC, SQC, MSA, ST, DA & AS		SQCORU, Kolkata	Kolkata
50	Nov 15-Dec 01, 2024	Six Sigma Green Belt		SQCORU, Hyderabad	Virtually
51	Nov 15-24, 2024	Six Sigma Green Belt Training & Certification		SQCORU, Mumbai	Virtually
52	Nov 21, 2024-Jan 16, 2025	Six Sigma Black-Belt	Balasore Alloys Ltd,	SQCORU, Pune	Balasore
53	Nov 21, 2024-Jan 16, 2025	Six Sigma Black-Belt	Balasore Alloys Ltd,	SQCORU, Pune	Balasore
54	Nov 23-Dec 15, 2024	Business Forecasting using Python (BF 08)		SQCORU, Bangalore	ISI, Bangalore
55	Dec 02-13, 2024	Six Sigma Green Belt- 2nd Programme	POINTS, DIAT,	SQCORU, Pune	Pune
56	Dec 03-18, 2024	In-house training program on SSGB		SQCORU, Hyderabad	Clean Harbors India LLP
57	Dec 03-05, Dec 17-18, 2024	Inhouse Trg Prg on Six Sigma Green Belt		SQCORU, Hyderabad	Hyderabad
58	Dec 11, 2024-Jun 08, 2025	Online Certificate Course on Data Engineering: Foundation for AI	TCS iON	IDEAS-TIH, Kolkata	Virtually

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
59	Dec 13-16, 2024	48th Biannual Research and Training Workshop	SANDEE-ICIMOD, Nepal	CECFEE, Delhi	Kathmandu, Nepal
60	Dec 18, 2024	Text analysis and AI for Indian Economic Service officers	Institute of Economic Growth (IEG)	CECFEE, Delhi	IEG, Delhi
61	Dec 23-28, 2024	Faculty Updation Programme	under ISEA Phase-III	RCBCCS, Kolkata	ISI, Kolkata
62	Dec 23-28, 2024	Faculty Updation Programme	under ISEA Phase-III	CSRU, Kolkata	ISI, Kolkata
63	Jan 04-Feb 08, 2025	Master Black-Belt- (Batch-02)		SQCORU, Pune	Pune
64	Jan 10 -Mar 09, 2025	Winter School on Deep Learning (WSDL) Reinforcing Science with Foundation Models: Towards an Amazing Confluence		ECSU, Kolkata	ISI, Kolkata
65	Jan 14-Apr 15, 2025	Data Science Internship-cum-Training		IDEAS-TIH, Kolkata	Virtually
66	Jan 18-Mar 23, 2025	Executive Certificate Programme: A Data-Driven Approach on ESG & Sustainability for Business	IISWBM	IDEAS-TIH, Kolkata	Virtually
67	Jan 20-Mar 22, 2025	Six Sigma Black Belt Training and Certification Program		SQCORU, Mumbai	Virtually
68	Jan 27-Feb 28, 2025	Lean Six Sigma Green Belt (GB 65)		SQCORU, Bangalore	ISI, Bangalore
69	Jan 27-28, 2025	Induction Level Training Programme to the Indian Economic Service Officer	IEG	CECFEE, Delhi	IEG, Delhi
70	Jan 27-Feb 28, 2025	Lean Six Sigma Green Belt (GB-65)		SQCORU, Bangalore	Bangalore
71	Feb 04-06, 2025	Statistics Program	Graphite India Ltd,	SQCORU, Pune	Durgapur
72	Feb 06-09, 2025	Reliability Engineering Program (CRE 01)		SQCORU, Bangalore	ISI, Bangalore
73	Feb 15-Mar 23, 2025	Lean Six Sigma Black-Belt- (Batch-03)		SQCORU, Pune	Pune
74	Feb 17-Mar 08, 2025	Six Sigma Master Black Belt with Analytics & Industry 4.0 (MBB 37)		SQCORU, Bangalore	SQC & OR Unit
75	Feb 17-Apr 11, 2025	SURVEY METHODOLOGY AND DATA ANALYTICS for ISS Probationers (46th batch)	NSSTA(MoSPI)	SOSU, Kolkata	ISI, Bangalore, ISI, Kolkata

Sl.	Exact Date/ Duration	Title of the Training Programme conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
76	Feb 17-Mar 08, 2025	Six Sigma MBB with Analytics & Industry 4.0 (MBB-37)		SQCORU, Bangalore	Bangalore
77	Feb 19-Mar 30, 2025	Statistical Process Control	Novartis	SQCORU, Pune	Hyderabad
78	Mar 01-Jul 31, 2025	Six Sigma Black Belt with Business Analytics Certification(Batch-3)		SQCORU, Hyderabad	Virtually
79	Mar 12-14, 2025	TQM & Six Sigma Program	CNA, DGNA	SQCORU, Pune	Pune
80	Mar 24-25, 2025	Statistics Program	Biological E Ltd,	SQCORU, Pune	Hyderabad





3. International Training Program

Sl.	Exact Date/ Duration	Title of the Training Programme Conducted	Collaborator (if any)	Name of the Organizing Unit	Venue
1	Jan 22-25, 2025	International Workshop on Semantic Techniques and Technologies for Data and Knowledge Representation (SemTech) with a theme Transforming Library Data into Global Knowledge	INFLIBNET	DRTC, Bangalore	ISI, Bangalore



7.3 Lectures

Biological Sciences Division (BSD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Feb 21, 2025	Biological Solutions to Intractable Agriculture and Environmental Biosecurity Challenges	Raghu Sathyamurthy	Research Director, Biosecurity, CSIRO, Australia	AERU, Kolkata

Computer and Communication Sciences Division (CCSD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Apr 17, 2024	Applications of spatial analytics methods to Policymaking	Avipsa Roy	School of Social Ecology, University of California	ECSU, Kolkata
2	May 30, 2024	Engineering on Supervised Network for Training with Less Data	Snehasis Mukherjee	Department of Computer Science and Engineering, Shiv Nadar Institution of Eminence, Delhi NCR	ECSU, Kolkata
3	Jun 07, 2024	Some machine-learning-based improvements of financial models	Indranil SenGupta	Environmental Finance & Risk Management, Institute of Environment and Department of Mathematics and Statistics, Florida International University	ECSU, Kolkata
4	Jul 25, 2024	How do you construct a model of ZF and why it's hard?	Benedikt Löwe	University of Hamburg and University of Cambridge	CSU, Chennai
5	Aug 19, 2024	Decision Intelligence for Healthcare Intervention Planning	Arpita Biswas	T. H. Chan School of Public Health, Harvard University	MIU, Kolkata
6	Aug 30, 2024	Harnessing Machine Intelligence For People-Centric Climate Action That Goes Beyond Mitigation	Ramit Debnath	University of Cambridge	MIU, Kolkata
7	Dec 09, 2024	Recovering Structured Information from Printed Census Tables for the UK's Office for National Statistics	Apostolos Antonacopoulos	University of Salford	CVPRU, Kolkata
8	Dec 19, 2024	Perfectly imperfect - and the art of medical diagnosis	Amit Ray	Senior Consultant Neurosurgeon, Apollo Hospitals, Hyderabad, CEO Exsegen Genomics Research	ECSU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
9	Dec 20, 2024	Generating broken lens camera failures as a class of physics-based adversarial examples	Arpan Kusari	University of Michigan Transportation Research Institute	CVPRU, Kolkata
10	Dec 31, 2024	Optical Probing on Chips: Layout Level Countermeasures, Simulation, and Future Prospective	Sajjad Parvin	Doctoral Research Scientist, Department of Computer Science, University of Bremen, Germany	ECSU, Kolkata
11	Jan 09, 2025	Provable Size Requirements For Deep Operator Nets	Anirbit Mukherjee	University of Manchester	MIU, Kolkata
12	Jan 09, 2025	Attention is not all that you need	Professor Nicholas Asher	Institut de Recherche en Informatique de Toulouse (IRIT)	CVPRU, Kolkata
13	Jan 30, 2025	Extremal minimal bipartite matching covered graphs	Nishad Kothari	IIT Madras	CSU, Chennai
14	Feb 14, 2025	Exact Deep Learning Machines	Arni S.R. Srinivasa Rao	Medical College of Georgia, Augusta, USA	CSU, Chennai
15	Feb 17, 2025	Hierarchical Feature Informative Prototype with Double Angular Margin Contrast for Few-Shot Class Incremental Learning	Sukhendu Das	Department of Computer Science and Engineering, IIT Madras	ECSU, Kolkata
16	Feb 24, 2025	Catch Me if You Can: A Novel Task for the Detection of Covert Geo-Locations (CGL) from a single image view	Sukhendu Das	Department of Computer Science and Engineering, IIT Madras	ECSU, Kolkata
17	Feb 27, 2025	Consistent Query Answering under Primary Keys	Anantha Padmanbha	IIT, Madras	CSU, Chennai
18	Feb 28, 2025	Research Issues in estimating depth and 3D pose of objects from a single view with extremely high accuracy	Sukhendu Das	Department of Computer Science and Engineering, IIT Madras	ECSU, Kolkata
19	Mar 07, 2025	Towards Fair and Controllable Generative Models	Venkatesh Babu Radhakrishnan	Department of Computational and Data Sciences, Indian Institute of Science (IISc), Bangalore	MIU, Kolkata
20	Mar 07, 2025	Rethinking Efficiency: Economical, Adaptable and Interpretable Small Language Models	Tanmoy Chakraborty	Department of Electrical Engineering (Computer Technology Group), IIT Delhi	MIU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
21	Mar 07, 2025	Earth Observation Data Analysis: Machine Learning Perspective	Susmita Ghosh	Department of Computer Science & Engineering, Jadavpur University	MIU, Kolkata



Physics and Earth Sciences Division (PESD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Apr 01, 2024	Microstructures as deformation- related geothermo (baro) meters	Jörn H. Kruhl	Technical University of Munich, Germany, Feodor Lynen Fellow (AvHF)	GSU, Kolkata
2	Apr 19, 2024	Emergent Spacetime in the Bose-Einstein Condensates and the removal of naked singularities	Satadal Datta	Department of Physics and Astronomy, Seoul National University, South Korea	PAMU, Kolkata
3	Apr 26, 2024	Neutrinos in Cosmology	Shouvik Roy Choudhury	Academia Sinica Institute of Astronomy and Astrophysics, Taiwan	PAMU, Kolkata
4	May 01, 2024	Seesaw determination of the dark matter relic density	Aritra Gupta	IFIC, Valencia, Spain	PAMU, Kolkata
5	May 22, 2024	Effective Field Theory as a probe for Charged Lepton Flavor Violation	Joydeep Roy	Indian Association for the Cultivation of Science (IACS), Kolkata	PAMU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
6	Jun 20, 2024	Dynamics of the very early universe: towards decoding its signature through primordial black hole abundance, dark matter, and gravitational waves	Md. Riajul Haque	IIT Madras	PAMU, Kolkata
7	Jul 05, 2024	Atom to Device: Predicting Thermal and Electronic Transport Properties of Materials in Devices using Physics-Aware AI	Sanghamitra Neogi	Ann and H.J. Smead Aerospace Engineering Sciences, University of Colorado Boulder, USA	PAMU, Kolkata
8	Jul 09, 2024	Self-interactions of ULDM to the rescue?	Bihag Dave	Ahmedabad University	PAMU, Kolkata
9	Jul 29, 2024	Entanglement Asymmetry in non-Abelian Anyonic Systems	Manabendra Nath Bera	Department of Physical Sciences, IISER Mohali	PAMU, Kolkata
10	Aug 07, 2024	MoEDAL: a dedicated exotic particle search experiment at LHC	Atanu Maulik	INFN, Bologna, Italy	PAMU, Kolkata
11	Aug 23, 2024	Aspects of dark matter search at colliders	Jayita Lahiri	University of Hamburg, Germany	PAMU, Kolkata
12	Aug 28, 2024	Analysis of anisotropies of cosmic microwave background observation	Rajib Saha	IISER, Bhopal	PAMU, Kolkata
13	Sep 04, 2024	Exploring Asymptotic Symmetries, Soft Factors, and Celestial Holography	Arpita Mitra	POSTECH, APCTP, South Korea	PAMU, Kolkata
14	Sep 25, 2024	Imprints of gravitational wave memory on the entanglement between quantum probes	Subhajit Barman	IIT, Madras	PAMU, Kolkata
15	Oct 30, 2024	Superradiant scattering of massive scalar field due to magnetically charged rotating black hole	Rajesh Karmakar	IIT, Guahati	PAMU, Kolkata
16	Nov 06, 2024	Towards General Relativistic Boltzmann Transport for Binary Neutron Star Mergers	Maitraya Bhattacharyya	Institute for Gravitation and the Cosmos, Pennsylvania State University, USA	PAMU, Kolkata
17	Dec 04, 2024	Distinguishing Λ CDM-mimicking $f(R)$ models from the actual Λ CDM model	Saikat Chakraborty	Naresuan University, Thailand	PAMU, Kolkata
18	Dec 11, 2024	Quantum many body scars: a new route to break ergodicity	Bhaskar Mukherjee	S. N. Bose National Centre for Basic Sciences, Kolkata	PAMU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
19	Dec 18, 2024	Atomically thin 2D materials-based Field Effect Transistors and Chemi-resistors for Cancer Spectrometers, Chiral Quantum Device and Toxic element Monitoring	Arnab Maity	Department of Chemical Engineering and Russell Berrie Nanotechnology Institute, Technion - Israel Institute of Technology, Israel	PAMU, Kolkata
20	Jan 01, 2025	Phase Transition and Pattern Formation in the Beautiful World of Active Matter	Subir K Das	Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore	PAMU, Kolkata
21	Jan 22, 2025	Catalytic enhancements in the performance of microscopic two-stroke engines	Tanmoy Biswas	Los Alamos National Laboratory, USA	PAMU, Kolkata
22	Feb 05, 2025	Curvaton Cosmology: Scalar Perturbations, Baryogenesis and PBH	Abhishek Naskar	Sanghai Tech, China	PAMU, Kolkata

Statistical Quality Control and Operations Research Division (SQCORD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Dec 04, 2024	Bayesian Modeling of Spatio-Temporal Environmental Data	Sujit Kumar Sahu	University of Southampton	SQCORU, Kolkata
2	Dec 20, 2024	One day Seminar on Digital Supply Chain: Issues & Challenges	N S Narahari	R V College of Engineering, Bangalore	SQCORU, Bangalore
3	Jan 29, 2025	On random weighted coherent systems based on a new structure-based performance measure	Nil Kamal Hazra	IIT, Jodhpur	SQCORU, Kolkata
4	Feb 19, 2025	A Branch-and-Repair Method for Three-Dimensional Bin Selection and Packing in E-Commerce	Pirmin Fontaine	Catholic University of Ingolstadt	SQCORU, Hyderabad
5	Mar 28, 2025	One day Seminar on Scheduling of Complex Production System in Manufacturing Industries	Prasad Velaga	Optisol LLP, USA	SQCORU, Bangalore



Social Sciences Division (SSD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Apr 12, 2024	Racialized urban spaces and environmental injustice using high resolution paired data	Deepak Malghan	IIM, Bangalore	EPU, Delhi
2	Apr 17, 2024	Luck of Merit: Implications for Cooperation and Punishment of free-riding in a Public Goods Game	Ananish Chaudhuri	Department of Economic, University of Auckland	ERU, Kolkata
3	Apr 24, 2024	Are the Effects of Climate Change on Agriculture Underestimated? A Disaggregated Analysis for India	Shreekant Gupta	Delhi School of Economics	EPU, Delhi
4	May 03, 2024	Multi-source labour statistics. Mixture of Hidden Markov Models and Machine learning tools	Roberta Varriale	Sapienza University of Rome	EPU, Delhi
5	May 10, 2024	Job Market Signalling Via Social Ties	Shahir Safi	New Economics School	EPU, Delhi
6	Jun 04, 2024	Domains where local strategy-proofness implies dictatorship	Anup Pramanik	Shiv Nadar University	SERU, Tezpur
7	Jun 06, 2024	Trade Clubs and International Environmental Agreements: The Basel Conventio	Prakrati Thakur	Rensselaer Polytechnic Institute	EPU, Delhi
8	Jun 26, 2024	A Theoretical Treatment of Foreign Fighters and Terrorism	Subhayu Bandyopadhyay	Economic Policy Advisor, Federal Reserve Bank of St. Louis	ERU, Kolkata
9	Jul 05, 2024	Neglected Hazard: Mental Health and Traffic Noise	Neha Khanna	Binghamton University	EPU, Delhi
10	Jul 15, 2024	Essays on Behavioral Economics	Somresh Mukherjee	ISI Kolkata	ERU, Kolkata
11	Jul 16, 2024	Conflict Under Incapacitation and Revenge: A Game-Theoretic Exploration	Puja Mukherjee	ISI Kolkata	ERU, Kolkata
12	Jul 16, 2024	Effects of Foreign Capital and Protection on Welfare and Unemployment: A Model with Input-Output Linkages and Increasing Returns	Shivam Kapoor	ISI Kolkata	ERU, Kolkata
13	Jul 25, 2024	Perturbed Bayesian Best Response Dynamic in Continuum Games	Sayan Mukherjee	ISI Kolkata	ERU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
14	Jul 25, 2024	Matching Rules and Obvious Strategy-proofness	Abhigayan Bose	ISI Kolkata	ERU, Kolkata
15	Jul 25, 2024	Equilibrium Selection via K-Sampling Best Response Dynamic in Supermodular Games	A. Arun	ISI Kolkata	ERU, Kolkata
16	Aug 01, 2024	Efficient Probabilistic Fine Under Negative Externalities	Shasi Nandeibam	Department of Economics, University of Bath	ERU, Kolkata
17	Aug 05, 2024	Panics and Early Warnings	Deepak Basak	Indiana University	EPU, Delhi
18	Aug 16, 2024	Public Private Partnership Models in Social Health Insurance Schemes - Evidence from a Pioneering Program in India	Tanika Chakraborty	IIM, Calcutta	ERU, Kolkata
19	Aug 16, 2024	A Theory of Ethnic Violence in an Electoral Democracy	Sukanta Bhattacharya	University of Calcutta, Kolkata	ERU, Kolkata
20	Aug 16, 2024	Violence, Son Preference and Fertility: Evidence from India	Sounak Thakur	IIT, Kanpur	ERU, Kolkata
21	Aug 16, 2024	Rational Transgression Strategies	Arijit Sen	IIM, Kolkata	ERU, Kolkata
22	Aug 16, 2024	Middlemen in International Production Networks	Kunal Dasgupta	IIM, Bangalore	ERU, Kolkata
23	Aug 16, 2024	Waiting Games	Sourav Bhattacharya	IIM, Kolkata	ERU, Kolkata
24	Aug 23, 2024	Maternal Knowledge, Wellbeing & Child Health: Evidence From the Indian Slums	Arvind Kumar Mavliya	ISI, Kolkata	ERU, Kolkata
25	Aug 26, 2024	Responsible AI: Issues and Gaps	Carolyn Watters	Professor, Dalhousie University	DRTC, Bangalore
26	Aug 26, 2024	AI and Productivity	Michael Shepherd	Professor, Dalhousie University	DRTC, Bangalore
27	Sep 04, 2024	The Good, the Bad and the Ugly: Effects of AI Quality Information on Detecting Text-Based Lies	Haimanti Bhattacharya	Department of Economics, University of Utah, Salt Lake City, UT, USA	ERU, Kolkata
28	Sep 06, 2024	On Fairness and Size of Coalitions in Economies with Club Goods	Sandipan Saha	ISI, Kolkata	ERU, Kolkata
29	Sep 06, 2024	Attributes and Limited Attention	Arkarup Basu Mallik	ISI, Kolkata	ERU, Kolkata
30	Sep 12, 2024	Licensing with Partial Cross Ownership and Welfare	Aditya Chowdhury	ISI, Kolkata	ERU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
31	Sep 13, 2024	A Duality Based Approach to Constrained Egalitarian Mechanism in Queueing Problems	Shreyan Mullick	ISI, Kolkata	ERU, Kolkata
32	Sep 20, 2024	War and Transnational Reshoring: Evidence from the Russia-Ukraine 2022 War	Anindya S. Chakrabarti	Department of Economics, IIM, Ahmedabad	ERU, Kolkata
33	Oct 01, 2024	Medical Tourism in India: Public Health Perspective	Sunita Reddy, JNU	Associate Professor, JNU, New Delhi	SRU, Giridih
34	Oct 04, 2024	Population Aging, Public Finances, and Alternatives for Retirement Reform	Dominik Maurer	Norwegian School of Economics	EPU, Delhi
35	Oct 29, 2024	On Access to Formal Credit and Land Tenure Contracts	Debdatta Pal	Department of Economics, IIM, Lucknow	ERU, Kolkata
36	Nov 22, 2024	Collateral, Property Rights and Disparities in Credit Access	Nirupama Kulkarni	CAFRAL	EPU, Delhi
37	Nov 26, 2024	Affirmative Action and Female Education: A Game-Theoretic Exploration	Kaushiki Roy	ISI, Kolkata	ERU, Kolkata
38	Nov 27, 2024	Land Reform as a Panacea? Evidence From Rural Protests in Latin America	Prasad S. Bhattacharya	Department of Economics, Deakin University, Melbourne Burwood Campus, Australia	ERU, Kolkata
39	Nov 29, 2024	Soil Endowments and Intra-Household Distribution of Consumption in India: A Structural Approach	Bipasha Maity	Ashoka University	EPU, Delhi
40	Dec 06, 2024	Sovereign Credit Ratings: The Role of Past vs. Future Fiscal Performance	Prachi Mishra	Ashoka University	EPU, Delhi
41	Dec 06, 2024	Three Score and 15 years (1948 – 2023) of Rao's Score Tests: A Brief History	Anil K. Bera	Department of Economics, University of Illinois, Urbana Champaign, USA	ERU, Kolkata
42	Dec 09, 2024	1. Classification and Power: Navigating the Order of Things 2. This Place is Our Place: Libraries and Public life	Emily Drabinski	Immediate Past President of the American Library Association	DRTC, Bangalore
43	Dec 13, 2024	Matching in co-operative education programs: An experimental study	Bradley Ruffle	McMaster University	EPU, Delhi

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
44	Dec 20, 2024	Selected Facts	Archishman Chakraborty	Yeshiva University, New York City, United States	ERU, Kolkata
45	Jan 06, 2025	Evolutionary Dynamics in the Stag Hunt Game	Ratul Lahkar	Ashoka University	SERU, Tezpur
46	Jan 14, 2025	1. From Taxonomies to Ontologies 2. Tidbits of Taxonomies	Heather Hedden	Information Management Consultant, Hedden Information management, Carlisle, MA	DRTC, Bangalore
47	Jan 15, 2025	A Theory of Proper Sub-coalition Formation in Tu Coalitional Games	Tilak Sanyal	Department of Economics, Shibpur Dinobundhoo College, Howrah	ERU, Kolkata
48	Jan 17, 2025	Media reports and judicial convictions of sex crimes in India	Mahima Vasisht	Bocconi University	EPU, Delhi
49	Jan 22, 2025	Improving the Translation of Pre-clinical Efficacy in Oncology	Kingshuk Roy Choudhury	Senior Director of Statistics, Eli Lilly	ERU, Kolkata
50	Jan 24, 2025	Delegation with flexible information acquisition: ignoring the left tail	Nishant Ravi	Indian School of Business	EPU, Delhi
51	Jan 25, 2025	Sacred groves and biodiversity conservation	Madhav Dhananjaya Gadgil	Padma Bhusan former professor, IISC, Bangalore	SRU, Giridih
52	Jan 31, 2025	Communicating bias	Swagata Bhattacharjee	Jindal Global University	EPU, Delhi
53	Feb 07, 2025	Working Together - The Games of Cooperation	Surajit Borkotokey	Dibrugarh University	SERU, Tezpur
54	Feb 14, 2025	Towards A Theory of Side Payments for Games	Prajit Datta	Columbia University	EPU, Delhi
55	Feb 14, 2025	Preventing Cervical Cancer Incidence: Evidence from an experiment	Hari K Choudhury	IIT, Guwahati	SERU, Tezpur
56	Feb 17, 2025	Interconnected Conflicts	Marcin Dziubinski	University of Warsaw	EPU, Delhi
57	Feb 20, 2025	Screening Knowledge with Verifiable Evidence	Sulagna Dasgupta	Postdoctoral Researcher, Institute for Microeconomics, University of Bonn	ERU, Kolkata
58	Feb 21, 2025	Climate change and human capital: Evidence from the Indian Census	Vis Taraz	Smith College, Northampton, United States	EPU, Delhi
59	Feb 21, 2025	Bargaining Models in Economics	Amarjyoti Mahanta	IIT, Guwahati	SERU, Tezpur
60	Feb 24, 2025	Workplace Public Goods and Labour Regulation	Parikshit Ghosh	Delhi School of Economics, New Delhi	ERU, Kolkata
61	Feb 24, 2025	The Impacts of Earned Wage Access on Low-income Women Workers	Sowmya Dhanaraj	Good Business Lab, Bangalore	ERU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
62	Feb 24, 2025	The Relevant Third: Threat of Coalition and Economic Development	Somdeep Chatterjee	IIM, Kolkata	ERU, Kolkata
63	Feb 24, 2025	Segmented Assimilation: A Minority's Dilemma	Arijit Sen	IIM, Kolkata	ERU, Kolkata
64	Feb 24, 2025	Do Rural Roads Promote Inclusive Entrepreneurship?	Vidhya Soundararajan	CAFRAL	ERU, Kolkata
65	Feb 25, 2025	Local Strategy-proofness and Dictatorship	Anup Pramanik	Shiv Nadar University	ERU, Kolkata
66	Feb 25, 2025	Party-influenced Media, Independent News and Political Leadership	Saptarshi P. Ghosh	IIT, Bombay	ERU, Kolkata
67	Feb 27, 2025	Exploring Conflicts and Protests through the Lens of Game Theory	Puja Mukherjee	ISI, Kolkata	ERU, Kolkata
68	Feb 28, 2025	Segregation, Spillovers, and the Locus of Racial Change	Donald R. Davis	Columbia University	EPU, Delhi
69	Mar 07, 2025	Maximal and Stable of Proper Sub-coalition Formation in TU Coalitional Games	Tilak Sanyal	Shibpur Dinobundhoo Institution	EPU, Delhi
70	Mar 07, 2025	Theory of Matching and its Applications in Resource Allocations	Nityananda Sarma	Tezpur University	SERU, Tezpur
71	Mar 10, 2025	An Essay on Blocking Mechanisms in Club Economie	Sandipan Saha	ISI, Kolkata	ERU, Kolkata
72	Mar 14, 2025	Empower to Prosper: Women Working for Growth	Jonah Matthew Rexter	World Bank	EPU, Delhi
73	Mar 21, 2025	Price Discrimination in Multiple Ways : Evidence from Airlines	Ambarish Chandra	University of Toronto	EPU, Delhi
74	Mar 21, 2025	The Economics and Econometrics of Climate Change	Bhaskar Jyoti Neog	IIT, Guwahati	SERU, Tezpur
75	Mar 28, 2025	Educational Standards and Parental Investment	Dyotona Dasgupta	P Jindal Global University	EPU, Delhi



Statistical Sciences Division (StatSD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	May 14, 2024	Design of Blockchain Enabled Secure Real Life Applications	Debendranath Das	ISI, Kolkata	ASU, Kolkata
2	May 14, 2024	Addressing the industry use case of automating Customer Relationship Management (CRM) in real estate leveraging Essence and various methods and tools	Parthasarathi Ray	ISI, Kolkata	ASU, Kolkata
3	May 14, 2024	A Few Selected Topics on Boolean Functions	Animesh Roy	ISI, Kolkata	ASU, Kolkata
4	May 24, 2024	On Combinatorial Constructions of Mutually Unbiased Bases (MUBs) with Approximations	Ajeet Kumar	ISI, Kolkata	ASU, Kolkata
5	May 28, 2024	Some selected problems in discrete-valued time series analysis.	Subhankar Chattopadhyay	ISI, Kolkata	ASU, Kolkata
6	Jun 13, 2024	Harnessing The Collective Wisdom: Fusion Learning Using Decision Sequences From Diverse Sources	Trambak Banerjee	University of Kansas School of Business	ISRU, Kolkata
7	Jul 05, 2024	Some Studies On Information Set Decoding Algorithms And Strongly Universal Hash Functions.	Sreyosi Bhattacharyya	ISI, Kolkata	ASU, Kolkata
8	Jul 11, 2024	A Modern Day Approach to Combinatorial Secret Sharing.	Anandarup Roy	ISI, Kolkata	ASU, Kolkata
9	Jul 16, 2024	Bayesian Semi-supervised Inference via a Debiased Modeling Approach	Abhishek Chakraborty	Texas A&M University	ASU, Kolkata
10	Jul 22, 2024	Finite sample confidence intervals for mode	Manit Paul	University of Pennsylvania	ASU, Kolkata
11	Aug 13, 2024	New Inference Methods for M-estimation Problems	Arun Kumar Kuchibhotla	Carnegie Mellon University, USA	ASU, Kolkata
12	Aug 27, 2024	Empirical Partially Bayes Multiple Testing and Compound Chi-squared Decisions	Bodhisattva Sen	Columbia University, USA	ASU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
13	Sep 04, 2024	Investigating Security of a Few Schemes Based on Public Primitiveness	Anik Raychaudhuri	ISI, Kolkata	ASU, Kolkata
14	Sep 24, 2024	On convergence in continuum strategy potential games via mean-field stochastic evolution	Sayan Mukherjee	ISI Kolkata	ISRU, Kolkata
15	Sep 24, 2024	Elevating Player Experience: The Art and Science of Responsible Personalization in Skill Gaming	Tridib Mukherjee,	Games24x	ASU, Kolkata
16	Sep 26, 2024	Bayesian Variable Selection and Prediction in High-dimensional Linear Regression	Minerva Mukhopadhyay,	ISRU, Kolkata	ISRU, Kolkata
17	Sep 26, 2024	On Pairwise Feature Screening in Classification	Subhajit Dutta	ASU, Kolkata	ISRU, Kolkata
18	Nov 18, 2024	MCMC Importance Sampling via Moreau-Yosida Envelopes	Dootika Vats	IIT, Kanpur	StatSU, Delhi
19	Nov 28, 2024	Causal Functional Connectivity from Neural Dynamics	Rahul Biswas	Neurology University of California, San Francisco Weill Institute for Neurosciences	ISRU, Kolkata
20	Dec 03, 2024	Near-perfect Clustering Based on Recursive Binary Splitting Using Max-MMD	Sourav Chakrabarty,SRF	ISI, Kolkata	ASU, Kolkata
21	Dec 05, 2024	Spectra of random hypergraphs and contractions of random tensors	Soumendu Sundar Mukherjee	ISI, Kolkata	StatSU, Delhi
22	Dec 05, 2024	High Dimensional Posterior Consistency for Estimating the Error Covariance Matrix.	Malay Ghosh	Department of Statistics, University of Florida	ASU, Kolkata
23	Dec 10, 2024	A Jordan Curve Theorem on a Ball Through the Brownian Motion	Arni S.R. Srinivasa Rao	Department of Medicine - Division of Infectious Diseases Medical College of Georgia, U.S.A. and Department of Mathematics, Augusta University, U.S.A.	ISRU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
24	Dec 11, 2024	Classification of High-dimensional Time Series in Spectral Domain Using Explainable Features with Applications to Neuroimaging Data.	Sarbojit Roy	KAUST	ASU, Kolkata
25	Dec 13, 2024	Immersion posterior: Giving Bayes Wings to Meet Frequentist Goals under Structural Restrictions.	Subhashis Ghoshal	Department of Statistics, North Carolina State University,	ASU, Kolkata
26	Dec 17, 2024	Estimation and Inference for High Dimensional Parameters in Observational Data with Incomplete Outcomes: A Doubly Robust Framework.	Abhishek Chakraborty	Texas A&M University, Department of Statistics, Texas A&M University.	ASU, Kolkata
27	Dec 20, 2024	Causal Functional Connectivity from Neural Dynamics.	Rahul Biswas	Neurology, University of California	ASU, Kolkata
28	Dec 24, 2024	Statistical Methods for Network Data	Riddhi Pratim Ghosh	Bowling Green State University	ASU, Kolkata
29	Jan 07, 2025	Foundational Results in Multiple Testing.	Sanat K. Sarkar, Cyrus C. K. Curtis	Temple University, USA	ASU, Kolkata
30	Jan 17, 2025	Recent developments on FDR controlled variable selection.	Sanat K. Sarkar, Cyrus C. K. Curtis	Temple University, USA	ASU, Kolkata
31	Jan 24, 2025	Deep Learning: a Non-parametric Statistical Viewpoint	Saptarshi Chakraborty	University of California, Berkeley	ISRU, Kolkata
32	Feb 10, 2025	Approaches to High-Dimensional Joint Modeling with applications in Age Related Macular Degeneration (AMD)	Sanjib Basu	University of Illinois Chicago	ISRU, Kolkata
33	Feb 26, 2025	Provable Security in Idealised Models.	Chandranan Dhar	ISI, Kolkata	ASU, Kolkata
34	Mar 04, 2025	Exact distribution-free tests of spherical symmetry applicable to high dimensional data.	Bilol Banerjee	ISI, Kolkata	ASU, Kolkata

Theoretical Statistics and Mathematics Division (TSMD)

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Nov 18, 2024	Phase Transition for Elephant Random Walks with Two Memory Channels	Sanjay Bhattacharjee	University of Kent	SMU, Bangalore
2	Apr 04, 2024	A Provably Fast Finite Particle Variant of Stein Variational Gradient Descent	Dheeraj Nagaraj	Google AI, Bangalore	SMU, Bangalore
3	Apr 05, 2024	Benchmarking and error characterization of quantum control	H M Bharath	Los Alamos National Laboratory	SMU, Bangalore
4	Apr 10, 2024	Bounds for Fourier Coefficients of Modular Forms	Mayukh Dasharatharaman	ISI, Kolkata	SMU, Kolkata
5	Apr 16, 2024	Uniform distribution modulo one and poissonian pair correlation	Karthick Babu	ISI, Bangalore	SMU, Bangalore
6	Apr 17, 2024	Polish groups and ample generics II, III, IV	François Le Maitre	Université Paris Cité	SMU, Delhi
7	Apr 17, 2024	Trace of Powers of Algebraic Numbers	Ravindranathan Thangadurai	HRI, Prayagraj	SMU, Kolkata
8	Apr 17, 2024	Complex structures and connections on noncommutative differential calculus	Bappa Ghosh	ISI, Kolkata	SMU, Kolkata
9	Apr 18, 2024	Polish groups and ample generics II, III, IV	François Le Maitre	Universite Paris Cite, France	SMU, Delhi
10	Apr 18, 2024	Gravitating vortices and cosmic strings	Vamsi Pritham Pingali	IISc, Bangalore	SMU, Bangalore
11	Apr 19, 2024	Binary quadratic form and its applications in Automorphic forms	Lalit Vaishya	IMSc, Chennai	SMU, Delhi
12	Apr 19, 2024	Polish groups and ample generics II, III, IV	François Le Maitre	Universite Paris Cite, France	SMU, Delhi
13	Apr 19, 2024	On the importance of Studying Pedigree Polytopes	T. S. Arthanari	Univ. Auckland	SMU, Bangalore
14	Apr 22, 2024	Polish groups and ample generics II, III, IV	François Le Maitre	Universite Paris Cite, France	SMU, Delhi
15	Apr 22, 2024	Large sample inference in finite population problems	Anurag Dey	ISI, Kolkata	SMU, Kolkata
16	Apr 22, 2024	On the Complexity of the Membership Problem for Pedigree Polytopes	T. S. Arthanari	Univ. Auckland	SMU, Bangalore
17	Apr 23, 2024	Polish groups and ample generics II, III, IV	François Le Maitre	Universite Paris Cite, France	SMU, Delhi
18	Apr 24, 2024	Air Markov chain Monte Carlo	Krzysztof Latuszynski	University of Warwick	SMU, Delhi
19	Apr 29, 2024	Network Cross-Validation and Model Selection via Subsampling	Sayan Chakrabarty	University of Illinois, Urbana-Champaign	SMU, Kolkata
20	May 03, 2024	Multi-source labour statistics/ Mixture of Hidden Markov Models and Machine learning tools/	Roberta Varriale	Sapienza University of Rome	SMU, Delhi

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
21	May 06, 2024	Extending the Scope of Nonparametric Empirical Bayes	Bodhisattva Sen	Columbia University	SMU, Kolkata
22	May 08, 2024	Monomial groups and their group algebras	Gurleen Kaur	IISER, Mohali	SMU, Delhi
23	May 15, 2024	On representations of the crystallized algebra $C(SU_0(n+1))$	Ayan Dey	ISI, Delhi	SMU, Delhi
24	May 15, 2024	A^1 -homotopy theory and Characterisation of A^2	Biman Roy	ISI, Kolkata	SMU, Kolkata
25	May 17, 2024	Key understandings in school math learning: from behaviourism to constructivism in Mathematics Education Research	Arindam Bose	TISS, Mumbai	SMU, Delhi
26	May 17, 2024	Local monodromy of constructible sheaves	Deepam Patel	Purdue University	SMU, Bangalore
27	May 24, 2024	The Development of Mathematics in France since the late XIXth Century	Martin Andler	Laboratoire de Mathématiques de Versailles	SMU, Delhi
28	May 29, 2024	Monogeneity of a class of polynomials/	Prabhakar Yadav	ISI, Delhi	SMU, Delhi
29	May 31, 2024	Newton polygon and its applications/	Anuj Jakhar	IIT, Madras	SMU, Delhi
30	May 31, 2024	Projective envelope of a Compact Quantum Group	Kiran Maity	ISI, Kolkata	SMU, Kolkata
31	May 31, 2024	Topological Characterisation of the Affine Plane as an Algebraic Surface	Aritra Mandal	ISI, Kolkata	SMU, Kolkata
32	Jun 03, 2024	Generalization error of min-norm interpolators in transfer learning	Sohom Bhattacharya	University of Florida	SMU, Kolkata
33	Jun 04, 2024	On the structure of universal non-commutative C^* algebras and operator spaces/	Sayan Kansa Banik	ISI, Delhi	SMU, Delhi
34	Jun 05, 2024	Applications of Exponential Maps to Epimorphism and Cancellation Problems	Parnashree Ghosh	ISI, Kolkata	SMU, Kolkata
35	Jun 06, 2024	On The Nontriviality Of The Russell Cubic	Debojyoti Saha	ISI, Kolkata	SMU, Kolkata
36	Jun 07, 2024	Problems in Affine Algebraic Geometry: On triviality and embedding of Linear Hyperplanes and on rigidity of Pham-Brieskorn Surfaces	Ananya Pal	ISI, Kolkata	SMU, Kolkata
37	Jun 10, 2024	Moduli Space of Bundles on Orbifold Curves	Soumyadip Das	IIT, Jammu	SMU, Kolkata
38	Jun 10, 2024	Bott Periodicity Theorem	Risav Kumar Baradia	ISI, Kolkata	SMU, Kolkata
39	Jun 10, 2024	Some remarks on Landau-Siegel zeros	Nabarun Dutta	ISI, Kolkata	SMU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
40	Jun 10, 2024	Some problems related to degree three L functions	Sampurna Pal	ISI, Kolkata	SMU, Kolkata
41	Jun 10, 2024	Problems in the level aspect L-functions	Mayukh Dasaratharaman	ISI, Kolkata	SMU, Kolkata
42	Jun 12, 2024	Crystallization of the quantized function algebra, $C(SU_q(n+1))$, $C(Spin_q(N))$ and $C(USP_q(2n))$	Manabendra Giri	ISI, Delhi	SMU, Delhi
43	Jun 13, 2024	Kaplansky Density Theorem	Samik Dhali	ISI, Kolkata	SMU, Kolkata
44	Jun 13, 2024	The Borsuk-Ulam Theorem	Kishalay Sarkar	ISI, Kolkata	SMU, Kolkata
45	Jun 14, 2024	Munz- Szasz Theorem	Soumyadipta Maiti	ISI, Kolkata	SMU, Kolkata
46	Jun 18, 2024	Uniform Convexity, Uniform Dentability and H-UMIP	Deepak Gothwal	ISI, Kolkata	SMU, Kolkata
47	Jun 18, 2024	Behavior of ergodic averages along a subsequence and the grid method	Sovanlal Mondal	Ohio State University	SMU, Bangalore
48	Jun 20, 2024	Bulk Spectra of Truncated Sample Covariance Matrices	Himasish Talukdar	ISI, Kolkata	SMU, Kolkata
49	Jun 20, 2024	Absolute Compatibility In Von Neumann Algebras	Anil Kumar Karn	NISER, Bhubaneswar	SMU, Bangalore
50	Jun 21, 2024	Prime Geodesic Theorem	Ujjwal Sana	ISI, Kolkata	SMU, Kolkata
51	Jun 24, 2024	Cancellation In Short Sums Related To Hecke-Cusp Forms	Aritra Ghosh	ISI, Kolkata	SMU, Kolkata
52	Jun 24, 2024	Oja's algorithm for sparse PCA	Purnamrita Sarkar	University of Texas, Austin	SMU, Kolkata
53	Jun 25, 2024	A Proof of Kronecker's Theorem	Utsabraaj Sarkar	ISI, Kolkata	SMU, Kolkata
54	Jun 27, 2024	Sphere fibration over highly connected manifolds	Aloke Kr Ghosh	ISI, Kolkata	SMU, Kolkata
55	Jul 01, 2024	PushASEP model on a periodic ring	Jhih-Huang Li	National Taiwan University	SMU, Kolkata
56	Jul 02, 2024	Towards a Refinement of the Bloch-Kato Conjecture	Sunil Chebolu	Illinois State University	SMU, Bangalore
57	Jul 03, 2024	Collision of random walks	Maruf Tarafdar	ISI, Delhi	SMU, Delhi
58	Jul 09, 2024	The Expectation Threshold Conjecture: A Variant, Application, and Moment Method	Rathindra N. Karmakar	NUS, Singapore	SMU, Bangalore
59	Jul 11, 2024	Factoriality of q-Araki-Woods von Neumann algebras	Manish Kumar	IMPAN	SMU, Bangalore
60	Jul 12, 2024	On Monogenic Number Fields	Anuj Jakhar	IIT, Madras	SMU, Delhi
61	Jul 15, 2024	Long-range one-dimensional internal diffusion-limited aggregation	Debleena Thacker	Durham University	SMU, Kolkata
62	Jul 19, 2024	Cluster sizes for the vacant sets of random walk on a torus	Subhajit Goswami	TIFR, Mumbai	SMU, Kolkata
63	Jul 22, 2024	Cluster sizes for the vacant sets of random walk on a torus	Subhajit Goswami	TIFR, Mumbai	SMU, Kolkata
64	Jul 23, 2024	Comparison of Coniveau and Postnikov spectral sequences in the motivic homotopy category	Rakesh Pawar	ENS, Lyon	SMU, Bangalore

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65	Jul 24, 2024	Cluster sizes for the vacant sets of random walk on a torus	Subhajit Goswami	TIFR, Mumbai	SMU, Kolkata
66	Jul 24, 2024	Bulk Spectrum of Adjacency Matrices of Random Hypergraphs	Dipranjan Pal	ISI, Kolkata	SMU, Kolkata
67	Jul 25, 2024	On the phase diagram of the polymer model	Arjun Krishnan	Univ. Rochester	SMU, Bangalore
68	Jul 26, 2024	Counting ideals and its applications	Jyothsna Sivaraman	IISER, Thiruvananthapuram	SMU, Bangalore
69	Jul 29, 2024	On Conjectures of Eisenbud and Evans	Sourjya Banerjee	IMSc, Chennai	SMU, Kolkata
70	Jul 30, 2024	Peripherally Automorphic And Stationary Maps	Bharat Talwar	IISER, Bhopal	SMU, Bangalore
71	Jul 30, 2024	Strong coupling for inhomogeneous random digraphs	Prabhanka Deka	UNC Chapel-Hill	SMU, Bangalore
72	Aug 01, 2024	Diophantine Approximation with Prime Denominator in Quadratic Number Fields under GRH	Esrail Ali Molla	ISI, Kolkata	SMU, Kolkata
73	Aug 01, 2024	Quantitative stability of the Sobolev inequality	Debabrata Karmakar	TIFR	SMU, Bangalore
74	Aug 02, 2024	Discrete Quantum Group of Outer Automorphisms of von Neumann algebras	Suchetna Samadder	ISI, Kolkata	SMU, Kolkata
75	Aug 02, 2024	Rigid local systems and the multiplicative eigenvalue problem	Prakash Belkale	Univ. North Carolina	SMU, Bangalore
76	Aug 05, 2024	Levi-Civita connections on a class of covariant differential calculi	Bappa Ghosh	ISI, Kolkata	SMU, Kolkata
77	Aug 06, 2024	A New Locally Adaptive Nonparametric Regression Method	Sabyasachi Chatterjee	Univ. Illinois Urbana-Champaign, USA	SMU, Bangalore
78	Aug 07, 2024	Joint and outer spectral radii	B.V. Rajarama Bhat	ISI, Bangalore	SMU, Delhi
79	Aug 08, 2024	Subconvexity problem for $GL(2) \times GL(2)$ Rankin-Selberg L-functions	Sayan Ghosh	ISI, Kolkata	SMU, Kolkata
80	Aug 08, 2024	On the subconvexity of L-functions attached to the symmetric square lift of a $GL(2)$ cusp form	Pratim Mitra	ISI, Kolkata	SMU, Kolkata
81	Aug 08, 2024	Small Diameter Properties in Banach Spaces	Sudeshna Basu	Loyola University Baltimore Maryland	SMU, Bangalore
82	Aug 14, 2024	Approximate recoverability and the quantum data processing inequality	Saptak Bhattacharya	ISI, Delhi	SMU, Delhi
83	Aug 16, 2024	q -(r,s)-Stirling numbers and q -multiple zeta values at roots of unity	Takao Komatsu	Nagasaki University	SMU, Delhi
84	Aug 19, 2024	A motivic Riemann-Roch theorem for Deligne-Mumford stacks	Neeraj Deshmukh	Mathematical Institute of the Polish Academy of Sciences	SMU, Kolkata
85	Aug 19, 2024	Elephant Random Walks With Regularly Varying Memory	Aritra Majumdar	ISI, Kolkata	SMU, Kolkata
86	Aug 19, 2024	Memory in Motion: Random Walks with Memory	Tamojit Sadhukhan	ISI, Kolkata	SMU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
87	Aug 20, 2024	Three recent Schoenberg-type theorems	Prateek Kumar Vishwakarma	IISc	SMU, Delhi
88	Aug 20, 2024	Transience of continuous time conservative random walks	Satyaki Bhattacharya	Lund University	SMU, Kolkata
89	Aug 21, 2024	Network sampling-based inference for subgraph counts and clustering coefficient in a Stochastic Block Model framework with some extensions to a sparse case	Anirban Mandal	ISI, Delhi	SMU, Delhi
90	Aug 22, 2024	On a short proof of Zariski's Finiteness Theorem	Buddhadeb Hazra	ISI, Kolkata	SMU, Kolkata
91	Aug 23, 2024	Wandering Projections in von Neumann Algebras	Sourav Panja	ISI, Delhi	SMU, Delhi
92	Aug 26, 2024	Challenges in Responsible Generative AI	Aritra Guha	Data Science and AI Research, AT&T	SMU, Kolkata
93	Aug 28, 2024	Covering Systems and Irreducibility of Laguerre Polynomials	Saheli Dutta	ISI, Delhi	SMU, Delhi
94	Aug 29, 2024	Isolation of the Cuspidal Spectrum	Mayukh Dasaratharaman	ISI, Kolkata	SMU, Kolkata
95	Aug 29, 2024	Practicing Wildlife Science: Challenges and Opportunities	K. Ullas Karanth	Wildlife Conservation Society, Ph.D., F.A.Sc	SMU, Bangalore
96	Aug 29, 2024	Big Cats and the Inseparable Components of Science	Arjun M. Gopalswamy	Carnassials Global Bangalore	SMU, Bangalore
97	Sep 02, 2024	Interacting Urn Schemes	Antar Bandyopadhyay	ISI, Delhi	SMU, Kolkata
98	Sep 03, 2024	K-sample testing using classifiers and global testing procedures	Sayan Ranjan Bhowal	ISI, Kolkata	SMU, Kolkata
99	Sep 04, 2024	Rank of the Friedrichs operator on domains related to μ -synthesis/	Samridhho Roy	ISI, Delhi	SMU, Delhi
100	Sep 05, 2024	Isolation of the Cuspidal Spectrum (Part-2)	Mayukh Dasaratharaman	ISI, Kolkata	SMU, Kolkata
101	Sep 12, 2024	Circle method over function fields	Sampa Dey	ISI, Kolkata	SMU, Kolkata
102	Sep 18, 2024	Non-arithmetic curves and the equation $x^p + y^q = z^r$	Devendra Tiwari	Bhaskacharya Pratishthan, Pune	SMU, Delhi
103	Sep 19, 2024	SUBCONVEXITY FOR $GL(3) \times GL(2)$ IN $GL(2)$ LEVEL ASPECT	Ritabrata Munshi	ISI, Kolkata	SMU, Kolkata
104	Sep 19, 2024	Planar Algebras to Two-Sided GJS Construction	Jayakumar Ravindran	IMSc, Chennai	SMU, Bangalore
105	Sep 19, 2024	Hadamard matrices, spin model subfactors and relative entropy.	Keshab Bakshi	IIT, Kanpur	SMU, Bangalore
106	Sep 25, 2024	On Receiver Operating Characteristic Curves and Surfaces	Naresh Garg	ISI, Delhi	SMU, Delhi
107	Sep 26, 2024	Prime-like Sequences and the Strong Equidistribution Property	Karthick Babu	ISI, Kolkata	SMU, Kolkata
108	Sep 26, 2024	A Characterization of Purely Atomic von Neumann Algebras	Chinmay Ajay Tamhankar	IIT, Madras	SMU, Bangalore

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
109	Sep 30, 2024	Gaussian Approximation For Non-stationary Time Series with Optimal Rate and Explicit Construction	Soham Bonnerjee	University of Chicago	SMU, Kolkata
110	Oct 03, 2024	Bounded gaps between products of two primes	Pranendu Darbar	ISI, Kolkata	SMU, Kolkata
111	Oct 04, 2024	Higher Order Graphon Theory; Fluctuations, Inference and Degeneracies	Bhaswar B Bhattacharya	University of Pennsylvania	SMU, Kolkata
112	Oct 07, 2024	Matrices, Metrics, Means	Rajendra Bhatia	Ashoka University and Indian Statistical Institute	SMU, Kolkata
113	Oct 08, 2024	Nice ideals (set theoretic): an overview and an application	Pratulananda Das	Jadavpur University	SMU, Bangalore
114	Oct 09, 2024	On Irreducible Representations of Fuchsian Groups	Yashonidhi Pandey	IISER, Mohali	SMU, Delhi
115	Oct 15, 2024	On log-concavity of the number of commuting p -tuples of permutations with respect to the number of orbits	Raghavendra Tripathi	Univ. Washington	SMU, Bangalore
116	Oct 16, 2024	Some non-commutative weak and strong type inequalities/	Diptesh Saha	ISI, Delhi	SMU, Delhi
117	Oct 17, 2024	Almost sharp lower bound for the nodal volume of harmonic functions	M. E. Lakshmi Priya	Tel-Aviv Univ., Israel	SMU, Bangalore
118	Oct 21, 2024	Visibility domains in complex manifolds	Rumpa Masanta	IISc, Bangalore	SMU, Kolkata
119	Oct 22, 2024	Simple models for complex systems	Deepak Dhar	ICTS, Bengaluru	SMU, Bangalore
120	Nov 07, 2024	Sphere fibrations over highly connected manifolds	Aloke Kr Ghosh	ISI, Kolkata	SMU, Kolkata
121	Nov 12, 2024	Regularity and pointwise convergence of solutions of the Schrodinger operator with radial initial data on Damek-Ricci spaces	Utsav Dewan	ISI, Kolkata	SMU, Kolkata
122	Nov 12, 2024	Higher Real K-theory	Akashdwp Biswas	ISI, Kolkata	SMU, Kolkata
123	Nov 13, 2024	On Crystallizations of Quantized Algebra of Functions on $SU(n)$ /	Saikat Das	ISI, Delhi	SMU, Delhi
124	Nov 14, 2024	Real topological Hochschild homology and the C_2 -equivariant Thom spectrum	Abhinandan Das	ISI, Kolkata	SMU, Kolkata
125	Nov 14, 2024	Hybrid subconvex bounds for selfdual $GL(3)$ L-functions via $GL_3 \times GL_2 \leftrightarrow GL_4 \times GL_1$ spectral reciprocity	Soumendra Ganguly	Aarhus University	SMU, Kolkata
126	Nov 14, 2024	The shifted convolution of divisor functions in function fields	Anurag Sahay	University of Purdue	SMU, Kolkata
127	Nov 18, 2024	On the strong Schanuel property/	Michel Waldschmidt	Sorbonne Universite	SMU, Delhi

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
128	Nov 18, 2024	DeepLLL is Polynomial Time	Sanjay Bhattacharjee	University of Kent	SMU, Bangalore
129	Nov 18, 2024	Optimal transport of random points and hyperuniformity	D. Yogeshwaran	ISI, Bangalore	SMU, Bangalore
130	Nov 20, 2024	Convex Matrix Functions/	Takashi Sano	Yamagata University	SMU, Delhi
131	Nov 21, 2024	Polyhedral complex structure of maximal Gromov hyperbolic spaces with finite boundary	Arkajit Pal Choudhury	ISI, Kolkata	SMU, Kolkata
132	Nov 21, 2024	On twisted tensor products of C^* -algebras	Sutanu Roy	IIT, Bombay	SMU, Kolkata
133	Nov 21, 2024	Comparing Euler class group with van der Kallen group	Subarna Mandal	ISI, Kolkata	SMU, Kolkata
134	Nov 21, 2024	Bounded gaps between products of two primes (Part-2)	Pranendu Darbar	ISI, Kolkata	SMU, Kolkata
135	Nov 25, 2024	Exact distribution-free tests of spherical symmetry applicable to high dimensional data	Bilol Banerjee	ISI, Kolkata	SMU, Kolkata
136	Nov 25, 2024	Some Large Deviation Problems Involving Moving Average Processes	Bodhisatta Das	ISI, Kolkata	SMU, Kolkata
137	Nov 25, 2024	Cross Sectional Regression with Cluster Dependence	Subhodeep Dey	ISI, Kolkata	SMU, Kolkata
138	Nov 27, 2024	Elephant Random Walks with Graph-Based Shared Memory: First- and Second-Order Asymptotics	Deborshi Das	ISI, Delhi	SMU, Delhi
139	Dec 05, 2024	Burgess bounds for short character sums evaluated at forms	Aishik Chattopadhyay	RKMVERI, Belur	SMU, Kolkata
140	Dec 10, 2024	\mathbb{A}^1 -homotopy types of \mathbb{A}^2 and $\mathbb{A}^2 \setminus \{(0,0)\}$	Biman Roy	ISI, Kolkata	SMU, Kolkata
141	Dec 11, 2024	Generalized free wreath products	Pierre Fima	Université Paris Cité	SMU, Delhi
142	Dec 12, 2024	Review of LASSO and Gaussian Comparison Inequalities	Sagnik Nandy	University of Chicago	SMU, Kolkata
143	Dec 13, 2024	Convex Gaussian Minimax Theorem and Derivation of the Risk of LASSO	Sagnik Nandy	University of Chicago	SMU, Kolkata
144	Dec 18, 2024	A few issues in teaching linear algebra and eigenvalue continuity	Fuzhen Zhang	Nova Southeastern University, Fort Lauderdale, Florida, USA	SMU, Delhi
145	Dec 18, 2024	Lefschetz hypersurface section theorem for brauer groups	Subhadip Majumder	TIFR, Mumbai	SMU, Kolkata
146	Dec 19, 2024	On Siegel Eisenstein series of degree 2	Manami Roy	Lafayette College, Easton	SMU, Kolkata
147	Dec 19, 2024	Effective equidistribution of Galois orbits for mildly regular test functions	Mithun Das	ICTP, Trieste	SMU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
148	Dec 26, 2024	Pullbacks of modular forms and related questions	Soumya Das	IISc, Bengaluru	SMU, Kolkata
149	Jan 03, 2025	Introduction to Belief Propagation	Sagnik Nandy	University of Chicago	SMU, Kolkata
150	Jan 03, 2025	Functional Inequalities in Random Permutation Dynamics: Spectral Gaps and Entropy Factorizations	Pietro Caputo	Univ. Roma Tre, Italy	SMU, Bangalore
151	Jan 08, 2025	Belief Propagation to Approximate Message Passing	Sagnik Nandy	University of Chicago	SMU, Kolkata
152	Jan 08, 2025	Navigating Networks by Random Walks	Pietro Caputo	Università Roma Tre	SMU, Kolkata
153	Jan 09, 2025	Functional Inequalities in Random Permutation Dynamics: Spectral Gaps and Entropy Factorizations	Pietro Caputo	Università Roma Tre	SMU, Kolkata
154	Jan 09, 2025	Robust Hamiltonicity of families of Dirac graphs	Debsoumya Chakraborti	Univ. Warwick, U. K	SMU, Bangalore
155	Jan 10, 2025	Approximate Message Passing and Future Research Directions	Sagnik Nandy	University of Chicago	SMU, Kolkata
156	Jan 13, 2025	Unified framework for inference using confidence sets for the CDF	Siddhaarth Sarkar	Carnegie Mellon University	SMU, Kolkata
157	Jan 13, 2025	Different Approaches to Quantum Graphs	Purbayan Chakraborty	University of Warsaw	SMU, Kolkata
158	Jan 13, 2025	Orchestrated Approximate Message Passing: A new way of information integration from multimodal data	Sagnik Nandy	University of Chicago	SMU, Kolkata
159	Jan 14, 2025	Functional Inequalities in Random Permutation Dynamics: Spectral Gaps and Entropy Factorizations	Pietro Caputo	Università Roma Tre Largo San Murialdo 1	SMU, Delhi
160	Jan 15, 2025	Nonlinear dynamics for spin systems: some convergence results	Pietro Caputo	Università Roma Tre Largo San Murialdo 1	SMU, Delhi
161	Jan 15, 2025	Contact structures on 3-manifolds	Tanushree Shah	Chennai Mathematics Institute	SMU, Kolkata
162	Jan 16, 2025	On the minimum area of lemniscates	Koushik Ramachandran	TIFR-CAM	SMU, Bangalore
163	Jan 22, 2025	Invariants associated with complete Nevanlinna-Pick spaces	Abhay Jindal	IISc, Bengaluru	SMU, Delhi
164	Jan 23, 2025	Homotopical Algebra and the Sullivan Conjecture	Vignesh Subramanian	Utrecht University	SMU, Kolkata
165	Jan 27, 2025	Some aspect of the representation of $n!$ in base b .	Jean-Marc Deshouillers	University of Bordeaux	SMU, Delhi

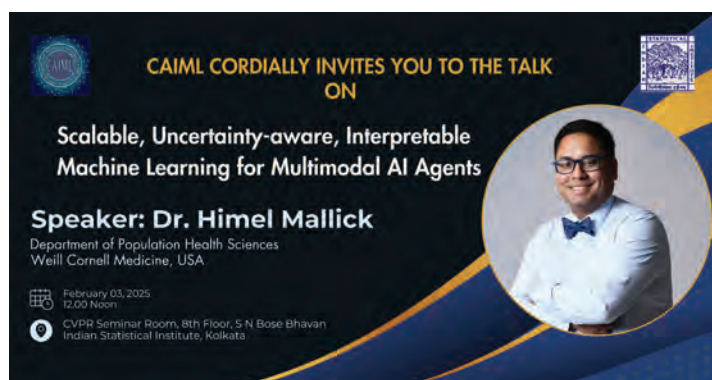
Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
166	Jan 27, 2025	Some Nonparametric Tests for High-Dimensional and Functional Data	Bilol Banerjee	ISI, Kolkata	SMU, Kolkata
167	Jan 27, 2025	Watatani's theorem in tensor categories	Mainak Ghosh	Beijing Institute of Mathematical Sciences and Applications	SMU, Kolkata
168	Jan 29, 2025	Some aspect of the representation of $\mathbb{N}!$ in base b .	Jean-Marc Deshouillers	University of Bordeaux	SMU, Delhi
169	Jan 29, 2025	Method-of-Moments Inference for GLMs and Doubly Robust Functionals under Proportional Asymptotics	Rajarshi Mukherjee	Harvard University	SMU, Kolkata
170	Jan 30, 2025	Frobenius and Homological Algebra	Alapan Mukhopadhyay	EPFL, Switzerland	SMU, Bangalore
171	Jan 31, 2025	On two questions related to the expression of digits in different bases	Jean-Marc Deshouillers	University of Bordeaux	SMU, Delhi
172	Feb 03, 2025	Two perspectives on tail (in) dependence	Bikramjit Das	Singapore University of Technology and Design	SMU, Kolkata
173	Feb 05, 2025	On the Classification of Legendrian Knots	Monika	ISI, Kolkata	SMU, Kolkata
174	Feb 06, 2025	Decomposition of singular elements into product of idempotents	André Leroy	Université d'Artois	SMU, Delhi
175	Feb 10, 2025	A New Perspective on Denoising Based on Optimal Transport	Bodhisattva Sen	Columbia University, New York	SMU, Kolkata
176	Feb 10, 2025	Dynkin's result beyond finite type and combinatorics of the embedding problem for Kac-Moody Lie algebras.	Irfan Habib	The Institute of Mathematical Sciences, Chennai	SMU, Kolkata
177	Feb 12, 2025	On the Classification of Legendrian Knots	Monika	ISI, Kolkata	SMU, Kolkata
178	Feb 12, 2025	L^2 - Stability of the Heisenberg Uncertainty Principle on the Real hyperbolic space.	Debdip Ganguly	ISI, Delhi	SMU, Delhi
179	Feb 13, 2025	Bochner-Riesz commutator on Metivier groups	Md Nurul Molla	IISER, Kolkata	SMU, Kolkata
180	Feb 19, 2025	Towards generalized complex structures and its associated principal bundle theory	Debjit Pal	ISI, Kolkata	SMU, Kolkata
181	Feb 19, 2025	Introduction to the Iwahori mod p Local Langlands Correspondence	Eknath Ghate	TIFR, Mumbai	SMU, Delhi
182	Feb 20, 2025	Constructions of quantum exclusion processes	Stephen Wills	University College Cork, Ireland	SMU, Bangalore
183	Feb 20, 2025	An operator algebraic proof of Thoma's theorem	Claus Koestler	University College Cork, Ireland	SMU, Bangalore
184	Feb 21, 2025	Fluctuations of Extreme Eigenvalues and Eigenvectors of certain Random Matrices	Bishakh Bhattacharya	ISI, Kolkata	SMU, Kolkata
185	Mar 06, 2025	Bruhat-Tits theory over a higher dimensional base	Yashonidhi Pandey	IISER, Mohali	SMU, Bangalore
186	Mar 07, 2025	Mazur's Intersection Property and its Variants	Deepak Gothwal	ISI, Kolkata	SMU, Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
187	Mar 10, 2025	Homotopy theory and homotopy theories	David Blanc	University of Haifa	SMU, Kolkata
188	Mar 10, 2025	Jones-Temperley-Lieb Algebras from the viewpoint of noncommutative probability	Claus Koestler	UCC - National University of Ireland	SMU, Kolkata
189	Mar 10, 2025	Limit Profile for the Transpose Top-2 with Random Shuffle and a Comparison Method	Subhojit Ghosh	IIT, Madras	SMU, Bangalore
190	Mar 10, 2025	On derivation of mean curvature flow and related fluctuations from microscopic interactions	Sunder Sethuraman	Univ. Arizona	SMU, Bangalore
191	Mar 11, 2025	Sums of squares	C. S. Dalawat	Central University of Rajasthan	SMU, Kolkata
192	Mar 13, 2025	Eilenberg-Moore categories and quiver representations of monads and comonads	Divya	ISI, Bangalore	SMU, Bangalore
193	Mar 21, 2025	The oldest problem	C. S. Dalawat	Central University of Rajasthan	SMU, Kolkata
194	Mar 24, 2025	Few steps towards statistical theory of foundation models	Debarghya Ghoshdastidar	Technical University of Munich	SMU, Kolkata
195	Mar 27, 2025	Large Deviation Principle for the Directed Landscape	Sayan Das	University of Chicago	SMU, Kolkata
196	Mar 27, 2025	The group of rational points of an algebraic group	Maneesh Thakur	ISI, Bangalore	SMU, Bangalore

Academic Centres

Centre for Artificial Intelligence and Machine Learning (CAIML), Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Feb 03, 2025	Scalable, Uncertainty-aware, Interpretable Machine Learning for Multimodal AI Agents	Himel Mallick	Weill Cornell Medicine	CAIML, Kolkata
2	Mar 06, 2025	Inferring Cognitive Phenomena in Interactive Information Retrieval from Neuro-physiological Signals	Jacek Gwizdka	University of Texas at Austin	CAIML, Kolkata



Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE), Delhi

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1		Trade Clubs and International Environmental Agreements: The Basel Convention	Prakrati Thakur	Rensselaer Polytechnic Institute	CECFEE, Delhi
2	Apr 12, 2024	Racialized urban spaces and environmental injustice using high resolution paired data	Deepak Malghan	IIM Bangalore	CECFEE, Delhi
3	Apr 24, 2024	Are the Effects of Climate Change on Agriculture Underestimated? A Disaggregated Analysis for India	Shreekant Gupta	Delhi School of Economics	CECFEE, Delhi
4	Jul 05, 2024	Neglected Hazard: Mental Health and Traffic Noise	Neha Khanna	Binghamton University	CECFEE, Delhi
5	Nov 20, 2024	Interdisciplinarity in environmental research: Examples from mangroves research in India	Saudamini Das	Institute of Economic Growth	CECFEE, Delhi
6	Nov 29, 2024	Soil Endowments and Intra-Household Distribution of Consumption in India: A Structural Approach	Bipasha Maity	Ashoka University	CECFEE, Delhi
7	Dec 21, 2024	Innovation and the Environment - Plenary session at the 19th Annual Conference on Economic Growth and Development	Robin Burgess	International Growth Centre (IGC), London School of Economics and Political Science	CECFEE, Delhi
8	Feb 21, 2025	Climate change and human capital: Evidence from the Indian Census	Vis Taraz	Smith College	CECFEE, Delhi

Technology Innovation Hub (TIH), Kolkata

Sl.	Date	Title of the Lecture	Name of the Speaker	Affiliation of the Speaker	Name of the Organizing Unit
1	Jan 03, 2025	Challenges of a First Generation Entrepreneur: A Personal Journey	Sanjay Chakrabarty	Capital Square Partners Singapore	IDEAS-TIH, Kolkata



7.4 Outreach Activities

Sl.	Exact Date/ Duration	Title of the Outreach Activities conducted	Number of Participants	Name of the Target Audience	Purpose/ Objective	Collaborator	Organizing Unit
1	Jan 12, 2025	Madhava Mathematics Competition	148 (M: 105, F:43)	Regional	The competition is meant for the second year B. Sc. students with Mathematics as one of the subjects. However, interested first year and third year B.Sc. students also may appear for the		SMU, Bangalore
2	Oct 12, 2024	Simon Marais Mathematics Competition	74 (M: 61, F:13)	Undergraduate	which is an Undergraduate Mathematics Competition organized by UNSW, Australia	UNSW, Australia	SMU, Bangalore
3	Jan 06-10, 2025	Indian National Mathematical Olympiad Training Camps (INMOTC)	53 (M: 45, F:8)	Students qualified RMO and aspirants for INMO 2025.	To prepare students for the INMO (Indian National Mathematical Olympiad). INMOTC 2025 for the West Bengal region took place at Applied Statistics Unit Kolkata, Indian Statistical Institute from January 06, 2025 to January 10, 2025.	Homi Bhabha Centre For Science Education	ASU, Kolkata
4	Feb 24-28, 2025	Education and Awareness of Cryptology and Security at School Level	50 (M: 25, F:25)	School Level	Education and Awareness of Cryptology and Security at School Level		CSRU, Kolkata
5	Feb 24-28, 2025	Education and Awareness of Cryptology and Security at School Level	50 (M: 25, F:25)	School Level	Education and Awareness of Cryptology and Security at School Level		RCBCCS, Kolkata
6	Dec 11, 2024- Mar 28, 2025	Geology Museum Visit	173 (M: 100, F:73)	General Public, including adults and children	General awareness about dinosaurs and fossils		GSU, Kolkata

Sl.	Exact Date/ Duration	Title of the Outreach Activities conducted	Number of Participants	Name of the Target Audience	Purpose/ Objective	Collaborator	Organizing Unit
7	Dec 19, 2024- Mar 21, 2025	Geology Museum Visit	502 (M: 300, F:202)	Scientists, Science Students, and Industry Professionals	Specialized awareness about paleontology and fossils, particularly dinosaurs		GSU, Kolkata
8	Dec 17, 2024-Jan 15, 2025	Geology Museum Visit	17 (M: 10, F:7)	Media Personnel and Government officials	General awareness and publicity about dinosaurs and fossils		GSU, Kolkata



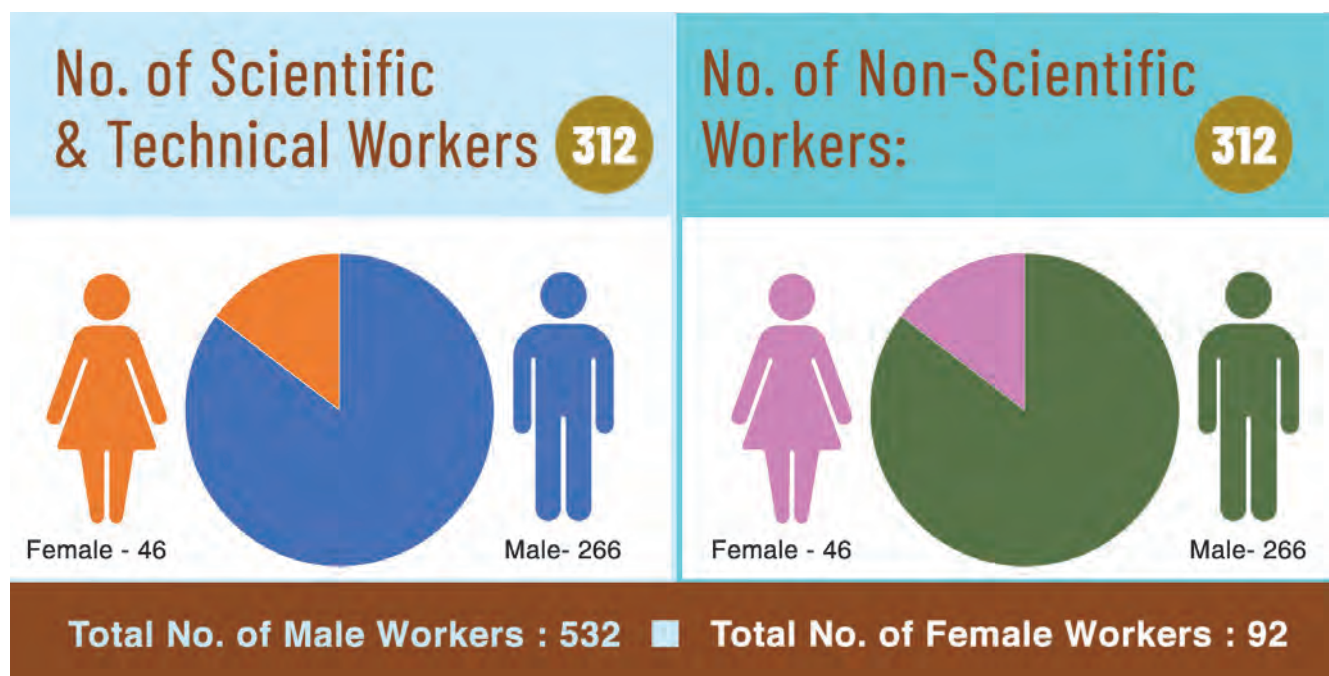
Chapter

8

Administration



General Administration



8.1 Administrative Services Division

The Administrative Services Division at the Headquarters caters to the various needs of the Scientific Workers in all the Scientific Units of the Institute engaged in various scientific, research and academic activities and provides them with necessary infrastructural facilities in their pursuit of excellence. The centres at Delhi, Bangalore, Chennai and Tezpur, each having a number of scientific units, by and large are getting administrative support from the administrative units/ sections at the Headquarters in Kolkata. The Administrative Services Divisions of the Institute has the following units at the Headquarters in Kolkata:

Sl..	Name of the Unit
1.	Accounts Section
2.	Audio-Visual Unit
3.	Canteen
4.	Cash Unit
5.	CE (A & F)'s Office
6.	Central Despatch Unit
7.	Council Section
8.	Director's Office
9.	Electrical Maintenance Unit
10.	Engineering Unit
11.	Estate Office
12.	Guest House
13.	Hostels
14.	House Building Advance Cell
15.	Human Resource Development Unit
16.	Import & Travel Cell

Sl.	Name of the Unit
17.	Internal Audit Cell
18.	Legal Cell
19.	Medical Expenses Reimbursement Unit
20.	Medical Welfare Unit
21.	Official Language Cell
22.	Personnel Unit
23.	Provident Fund Unit
24.	Public Relations Unit
25.	Printing and Publication Unit
26.	Retirement Benefit Cell
27.	RTI, Grievance, Complaints and Vigilance Cell
28.	SC / ST / OBC Liaison Cell
29.	Security Unit
30.	Stores and Purchase Unit
31.	Telephone Unit
32.	Transport Unit

Apart from the above mentioned Units, there are few cells dealing with Budget, and other issues to take care of the specific needs of the Institute. The Administrative Services Division also looks after the running of Hostels for Students, Research Scholars and International Statistical Education Centre (ISEC) Trainees and also the running of Canteens for the workers and students of the Institute. The other outlying Units are controlled directly by the Headquarters at Kolkata. The Administrative Services Division takes the responsibility for all new constructional activities of the Institute at its Headquarters and also at outlying centres/ branches. A brief report on the construction and other activities during the year is narrated in the subsequent paragraphs.

The Administrative activities in the four Centres, namely Delhi, Bangalore, Chennai and North East Centre at Tezpur and in other outlying branch of the Institute and Giridih Office are more or less similar to the Headquarters but on a much smaller scale.

8.2 Office Bearers of the Institute Administration during the year:

Designation	Division/ Centre	Duration	
		01.04.2024 to 17.09.2024	18.09.2024 to 31.03.2025
Director	--	Prof. Sanghamitra Bandyopadhyay	
Professors-in-Charge	Statistical Sciences Division	Prof. Smarajit Bose	Prof. Debasis Sengupta
	Biological Sciences Division	Dr. Abhishek Mukherjee	Dr. Pradip Bhattacharyya
	Computer and Communication Sciences Division	Prof. Rajat Kumar De	Prof. Swagatam Das
	Physics & Earth Sciences Division	Prof. Parthsarathi Ghosh	Prof. Supratik Pal
	Social Sciences Division	Prof. Niladri Sekhar Dash	Prof. Tridip Ray
	Theoretical Statistics and Mathematics Division	Prof. Pradipta Bandyopadhyay	Prof. Jaydeb Sarkar
Head	Statistical Quality Control and Operations Research Division	Prof. Biswabrata Pradhan	Dr. Prasun Das
Head	Delhi Centre	Prof. Antar Bandyopadhyay	
Head	Bangalore Centre	Prof. B.S. Dayasagar	
Acting	Head, Chennai Centre	Prof. G. Ravindran	
Head	North-East Centre, Tezpur	Prof. B. Ramakrishnan	Prof. Souvik Roy
Dean of Studies		Prof. Gopal Krishna Basak	Prof. Biswabrata Pradhan
Chief Executive (A & F)		Shri Ravinder Kumar	

8.3 List of workers joined/ retired/ voluntarily retired/ resigned/ terminated/ died during the year

A. New Appointments:

(i) Scientific / Technical Workers				
Sl.	Name	Gender	Designation	Location
1	Sandip Barui	M	Assistant Professor Gr.I	Baranagore
2	Mendem Bapuji	M	Assistant Professor Gr.I	Baranagore
3	Sm. Sumana Ghosh	F	Assistant Professor Gr.I	Baranagore
4	Sm. Kajori Banerjee	F	Assistant Professor Gr.I	Baranagore
5	Tanmay Sen	M	Assistant Professor Gr.I	Baranagore
6	Kaushik Jana	M	Assistant Professor Gr.I	Delhi
7	Sm. Sanjukta Roy	F	Assistant Professor Gr.I	Baranagore
8	Suman Majumder	M	Assistant Professor Gr.I	Baranagore
9	Sumanta Ghosh	M	Assistant Professor Gr.I	Baranagore

(ii) Non-Scientific Workers

Sl.	Name	Gender	Designation	Location
1	Shri Dhritysundar Dandapat	M	Electrician 'A'	Baranagore
2	Shri Uttam Mondal	M	Electrician 'A'	Baranagore
3	Shri Sovan Mondal	M	Electrician 'A'	Baranagore
4	Shri Niranjana Behera	M	Electrician 'A'	Baranagore
5	Shri Debabrata Naskar	M	Electrician 'A'	Tezpur
6	Shri Praveen Kumar	M	Administrative Officer	Baranagore
7	Major Akhilesh Kumar	M	Deputy Chief Executive (Admn.) 'A'	Baranagore
8	Shri Pintu Khanra	M	Attendant (Counter) 'A'	Baranagore
9	Shri Bijit Ghosh	M	Cook 'A'	Baranagore
10	Shri Sumanta Chatterjee	M	Cook 'A'	Baranagore

B. Deputation/ Lien:**(i) Scientific & Technical Workers**

Sl.	Name	Gender	Designation	Location
1	Sm. Minerva Mukhopadhyay (Lien)	F	Assistant Professor Gr.I	Baranagore
2	Subhajit Dutta (Lien)	M	Associate Professor	Baranagore
3	Debdip Ganguly (Lien)	M	Associate Professor	Delhi

(ii) Non-Scientific Workers

Sl.	Name	Gender	Designation	Location
1	Sm. Madhumita Paul (Lien)	F	Senior Administrative Officer	Baranagore

C. Retirement/ Voluntary Retirement:**(i) Scientific / Technical Workers**

Sl.	Name	Gender	Designation	Location
1	Dr. Amita Pal	F	Professor	Baranagore
2	Dr. Saswati Das	F	Associate Scientist 'C'	Baranagore
3	Dr. Chaiti Sharma Biswas	F	Associate Scientist 'C'	Baranagore
4	Shri Amit Kumar Paria	M	Assistant (Laboratory) 'C'	Baranagore
5	Dr. Mohana Delampady	M	Professor	Bangalore
6	Dr. G.S.R. Murthy	M	Sr. Technical Officer	Hyderabad
7	Dr. Dipak Kr. Manna	M	Sr. Technical Officer	Baranagore
8	Dr. Dhurjati Prasad Sengupta	M	Professor	Baranagore
9	Dr. Anup Dewanji	M	Professor (HAG)	Baranagore
10	Dr. Subhas Chandra Nandy	M	Professor (HAG)	Baranagore
11	Dr. Susmita Sur-Kolay	F	Professor (HAG)	Baranagore
12	Dr. Tapas Samanta	M	Professor (HAG)	Baranagore
13	Shri Apurba Mukherjee	M	Attendant (Laboratory) 'C'	Baranagore
14	Dr. Prabir Kumar Ghosal	M	Associate Scientist 'C'	Baranagore
15	Dr. Rahul Roy	M	Professor (HAG)	Delhi
16	Shri Somnath Ray	M	Technical Officer Gr.I	Bangalore
17	Sm. Niyati Das	F	Attendant (Laboratory) 'C'	Baranagore
18	Dr. Srimanta Pal	M	Professor	Baranagore
19	Shri Sandip Chatterjee	M	Assistant (Laboratory) 'C'	Baranagore
20	Dr. Chiranjib Medda	M	Associate Scientist 'B'	Baranagore
21	Dr. Abhijit Gupta	M	Sr. Technical Officer	Baranagore
22	Dr. Amit Kr. Biswas	M	Technical Officer Gr.I	Chennai

(ii) Non-Scientific Workers				
Sl.	Name	Gender	Designation	Location
1	Shri Jayanta Das	M	Section Officer (General)	Baranagore
2	Shri Sukumar Bishoe	M	Cook 'C'	Baranagore
3	Shri Krishnamurthy Herlay	M	Supervisor (Electrical)	Bangalore
4	Sm. Mina Passi	F	Service Boy 'C'	Baranagore
5	Shri Kaushik Nandy	M	Administrative Officer	Baranagore
6	Shri Debabrata Mitra	M	Administrative Officer	Baranagore
7	Shri Ashok Prasad Acharjee	M	Attendant (Transport) 'C'	Baranagore
8	Shri Tapas Chakraborty	M	Senior Assistant	Baranagore
9	Sm. Taramoti Das	F	Helper 'C'	Baranagore
10	Shri Dipak Kumar Mondal	M	Section Officer (A/cs.)	Baranagore
11	Shri Umed Singh	M	Senior Assistant	Delhi
12	Shri Ashok Kumar Shaw	M	Attendant (Record) 'B'	Baranagore
13	Shri Santosh Bahadur	M	Attendant (Record) 'C'	Baranagore
14	Sm. Rina Chatterjee	F	Attendant (Record) 'C'	Baranagore
15	Shri Sujit Kr. Basak	M	Section Officer (General)	Baranagore
16	Sm. Santi Devi	F	Helper 'C'	Baranagore
17	Shri Nirmal Kumar Biswas	M	Senior Assistant	Baranagore
18	Shri Raj Narayan Mukherjee	M	Administrative Officer	Baranagore
19	Shri Prasanta Mukherjee	M	Helper 'C'	Baranagore

D. Resignation:

(i) Scientific Workers				
Sl.	Name	Gender	Designation	Location
1	Dr. B. Ramakrishnan	M	Professor	Tezpur
2	Dr. Charanya Ravi	F	Assistant Professor Gr.I	Bangalore
3	Shri Umesh Chandra Garai	M	Assistant (Library) 'A'	Delhi
4	Dr. Mamatha Sree C.M.	F	Associate Scientist 'A'	Giridih
5	Shri Ravinder D	M	Assistant (Library) 'A'	Bangalore
6	Dr. Siva Athreya	M	Professor (HAG)	Bangalore
7	Dr. Parthanil Roy	M	Professor	Bangalore

(ii) Non-Scientific Workers				
Sl.	Name	Gender	Designation	Location
1	Shri S. Vignesh	M	Office Assistant 'A'	Bangalore
2	Shri Durgam Giri	M	Senior Administrative Officer	Baranagore
3	Major Akhilesh Kumar	M	Deputy Chief Executive (Admn.) 'A'	Baranagore

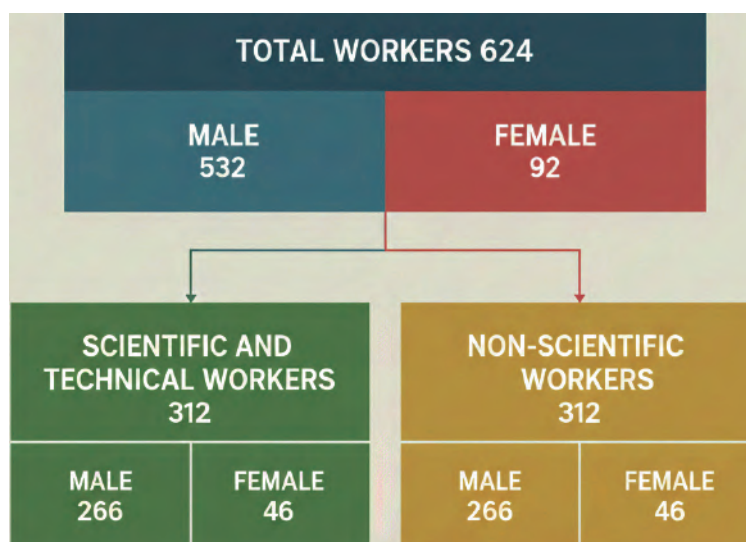
E. Deaths:

(i) Scientific Workers				
Sl.	Name	Gender	Designation	Location
1	Dr. Manipushpak Mitra	M	Professor (HAG)	Baranagore

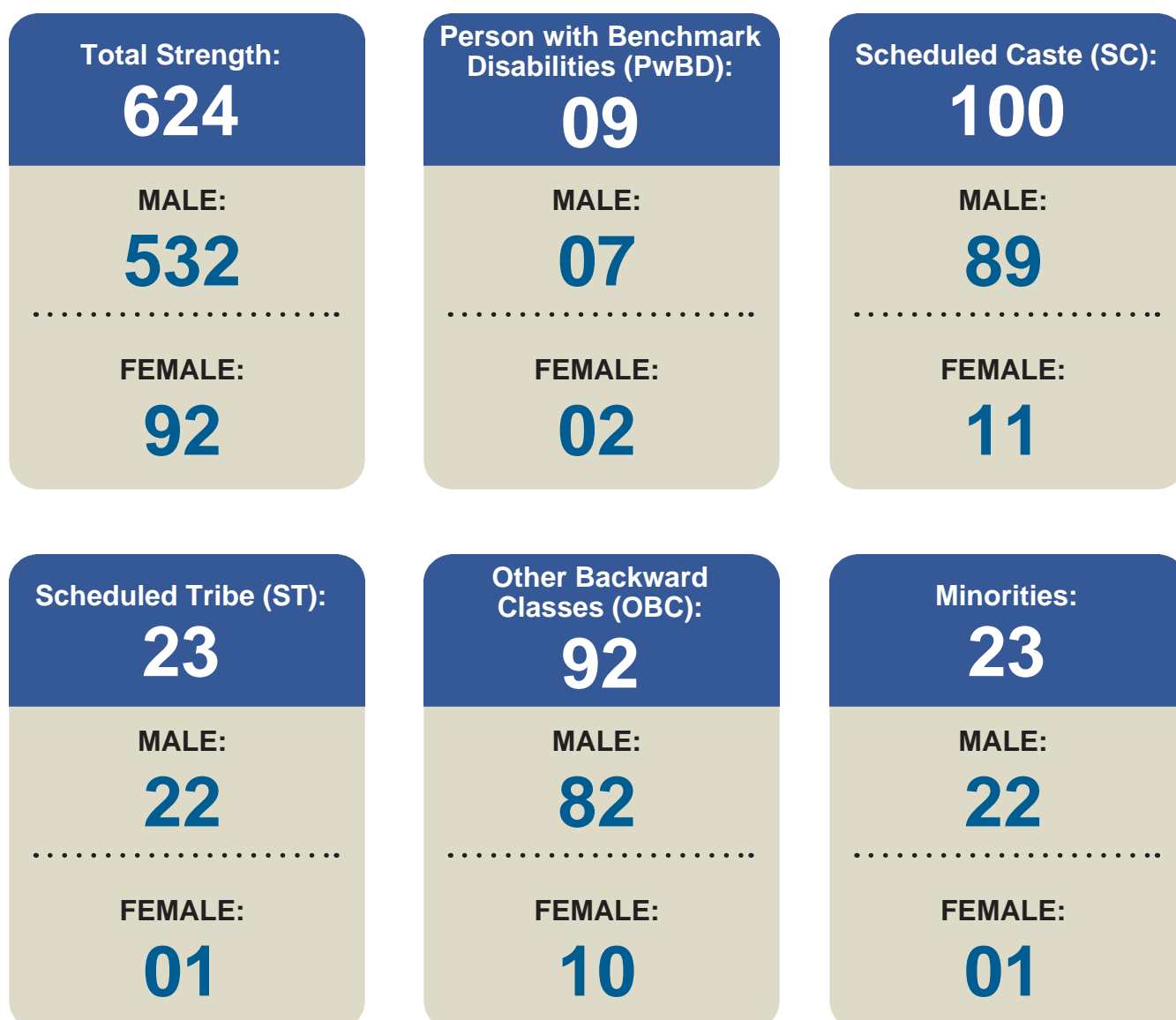
(ii) Non-Scientific Workers				
Sl.	Name	Gender	Designation	Location
1	Shri Dinesh Kr. Jogi	M	Attendant (Record) 'A'	Baranagore

8.4 Manpower by Gender, Social Category and Disability Group

A. Number of workers in the Institute as on 31st March 2025:



B. Breakup of Manpower by Gender, Social Category and Disability group as on 31st March 2025



8.5 Annual Return on Cases of Sexual Harassment

Sl.	Incident	Location
1.	Number of complaints of sexual harassment received in the year	Kolkata – 02 Bangalore – 02 (One received on 24 March, 2025, continued in next financial year)
2.	Number of complaints disposed off during the year	❖ Kolkata – 02 ❖ Bangalore – 01 ❖ North-East Centre, Tezpur – 01
3.	Number of cases pending for more than 90 days	Nil
4.	Number of workshops on awareness programmes against sexual harassment conducted during the year	Bangalore Centre - 3 Days – 2 phases and 2 sessions (with different timings and groups) as part of orientation program; Delhi - 3 (2 Physical and 1 on line from HQ) Kolkata - 02
5.	Nature of action	Bangalore Centre: • Official WhatsApp group should strictly adhere to academic and non-academic matters of the centre and no sexist comments will be tolerated • An apology letter to the complainant Kolkata: The committee received two cases. One case was amicably resolved, while for the other case, the committee recommended punishment. North-East Centre, Tezpur: Warning & Letter of Caution issued to respective students by Centre Head based on ICC Recommendation. Apology letter given by alleged student to ICC & Complainant

8.6 Applications received and action taken by the Institute under RTI Act, 2005

	Sl.	Location	Name & Designation
	Name of the Appellate Authority	1	Kolkata
2		Kolkata	Shri Ravinder Kumar, C.E. (Admn. and Finance)
3		Kolkata	Dean of Studies
4		Delhi	Head, Delhi Centre
5		Bangalore	Head, Bangalore Centre
6		Tezpur	Head, North-East Centre
7		Chennai	Head, Chennai Centre
Name of Central Public Information Officer	1	Kolkata	Shri Pratyush Banerjee, Dy. C.E. (Admn.)
	2	Kolkata	Shri Manas Pal, A.O., Dean's Office
	3	Delhi Centre	Shri Samapan Padhi, Dy. C.E. (Admn.)
	4	Bangalore Centre	Ms. Ashwini Ganesh Tambe, Dy. C.E. (Admn.)
	5	North-East Centre	Shri Subash K, A.O.
	6	Chennai Centre	Shri Biju Mathew, Sr. A.O.

The summary statement for the year 2024-25:

No. of Applications received	No. of cases accepted	Decisions where requests were fully or partially rejected		No. of decisions from Appellate Authority	C I C decision			Amount collected (Rs.)		
		Fully rejected	Partially rejected		No. of decision received	Penalty imposed	Disciplinary action, if any	Fee	Other Charges	Penalty amount
169	169	00	5	35	1	0	0	1690	318	0

8.7 Major Construction / Repair works taken up by the Institute

8.7.1 Civil Work

A. Delhi

Work in progress	Sl.	Description of work	Total Amount (Rs.)
	1	Rehabilitation of Platinum Jubille Hostel at ISI, Campus Delhi Centre	2,22,24,708.24
2	Renovation of Toilets of Faculty and Admin Block at ISI Campus Delhi Centre	40,49,700.00	
3	Renovation of PPRU Lab of ISI Campus Delhi Centre	49,45,913.00	

B. Kolkata

Work in progress	1	R. C. Bose Centre for Cryptology and Security	6,00,00,000.00
	2	Construction of New Academic Building (G+5)	Nil
	3	Consultancy services for preparation of DPR for Amrapali repair / renovation	Nil
	4	Augmentation of Overall External Electrical System within the premises/ Campus of ISI Kokata	1,51,10,800.00
	5	Boundary Wall at lower farm house at Giridih, ISI	Nil
Work completed	1	Lift of S. N. Bose Bhavan	1,70,680.00
	2	Repair of Over Head Reservoir of S. N. Bose Bhavan	26,34,741.00
	3	Repairing of Over Head Reservoir at 205 B.T. Road, ISI Campus	Nil
	4	Repair & Renovation works of Niel's Bohr Hall (ISEC & RS Hostel) at 205 B.T. Road ISI Campus, Kolkata	Nil

C. North-East Centre, Tezpur

Work in progress	Sl.	Description of work	Total Amount (Rs.)
	1	Admin, Academic, Canteen, Boys' & Girls' Hostel, Amenities, 1 block of 110 Transit Quarter, Site development works, etc.	5,82,42,114.00

8.7.2 Electrical Work

A. Kolkata

Work completed	Sl.	Description of work	Total Amount (Rs.)
	1	Electrical arrangement along with modification of existing distribution panel for installation of small AC machines in the rooms of PGDBA students	8,16,318.00
	2	Electrical repair and renovation works at ISI Kolkata campus Substations, Capacitor bank, Submersible pump, Indian Bank, Transport Unit, Post Office and Auditorium	6,40,786.00
	3	Electrical renovation work of mess area and area illumination of RS Hostel and modification of the distribution panel along with renovation of security shed along with the illumination of volleyball court surroundings at 205 campus	7,9,786.00

8.8 Other Activities

8.8.1 Society Type Activities

A. Membership: (Total No. as on 31.03.2025)

Membership Type	Number of New Members		Number of Existing Members	
	Male	Female	Male	Female
Ordinary	09	03	139	44
Life	06	02	839	190
Institutional	00		07	
Total (Except Institutional)	15	05	978	234

B. Finance Committee Meetings (Hybrid):

Sl.	Date	Venue
1	24.05.2024	Kolkata
2	09.09.2024	
3	20.11.2024	

C. Council Meetings (Hybrid):

Sl.	Date	Venue
1	28.05.2024	Bangalore
2	28.06.2024	Kolkata
3	12.09.2024	
4	26.10.2024	
5	23.01.2025	

D. Annual General Meeting (Hybrid):

Sl.	Date	Venue
1	13.09.2024	Kolkata
2	30.10.2024	



8.8.2 Activities of Medical Welfare Unit

Kolkata

Medical Welfare Unit of Indian Statistical Institute, Kolkata, caters to the health care need of the students, research scholars, faculty members and their dependent family members, non-faculty members and their dependent family members, retired workers and their spouses, guests of ISI etc.

- Two (02) Resident Medical Officers (RMO) Dr Himajit Debnath and Dr Arpita Konar Basak perform regular OPD services as well as on call medical services outside regular OPD hours as and when required.
- Speciality clinic of Ophthalmology (Eye) is held two (02) days a week by Dr Swarup Pathak.
- Speciality Clinic of Otorhinolaryngology (ENT) is held two (02) days a week by Dr Sumit Chattopadhyay.
- Speciality Clinic of Psychiatry is held (02) days a week by Dr Anirban Basu.
- Psychological counseling sessions are held three (03) days a week by clinical psychologist Ms Sharmistha Basu.
- Essential medicines are dispensed by the pharmacists of MWU.
- All Workers, both temporary and permanent, and students of ISI undergo medical fitness test in MWU by the Resident Medical Officers before joining the Institute and after availing commuted (sick) leave.
- Doctors of MWU provide Medical support to all beneficiaries of the Institute.
- Retired Staff and their spouses are provided medical care at OPD.
- The Nursing staffs of MWU are actively engaged in providing first aid, stitching of wounds and wound dressing. In 2024-25, approximately 605 patients were attended for dressing. They administered vaccines to approximately 395 patients.
- The staffs of MWU help the patients to get admitted in hospital in case of emergency.
- House visit for seriously ill & bed ridden patients were done.
- Doctors and medical support personnel of MWU try to spread awareness about general health and hygiene, healthy dietary practices, prevention of malaria, dengue and other communicable diseases, prevention of dog bite etc. among the students.
- Doctors of MWU look after the hygiene and sanitation measures at the ISI campus, with special attention to the hostels.
- Doctors of Medical Welfare Unit attend to the patients outside normal office hours in emergency situation. Resident Pharmacist and Resident Nurse also attend to the patients outside office hours in case of emergency.
- In FY- 2024-25 approximately 9875 patients were treated at MWU.
- Team of doctors, nurses and pharmacists attended all important programmes of the Institute like Statistics Day, Convocation, Sports day, Prof Prasanta Chandra Mahalanobis memorial football tournament etc. with emergency care facility at the venue of the event.
- MWU provided First aid kit to all hostels and during any events or excursion etc. as and when necessary.
- Doctors of Medical Welfare Unit took part in orientation programme for newly admitted students of the Institute.

Organizing awareness programme on mental health

The Medical Welfare Unit organizes various awareness programmes for the benefit of the students and workers.

An awareness program, “Nurturing a healthy mind beyond stigma and taboos: A key to success” was held on 22.08.2024 at Platinum Jubilee Auditorium. The speakers were Dr Anirban Basu, Psychiatrist and Ms Sharmistha Basu, Clinical Psychologist.

Stress management workshops were held in batches in collaboration with Dean’s Office before mid semester exam and end semester exam by the Psychiatrist and Psychological Counselor of the Institute.



8.9 Administrative Training Programmes

A. Kolkata:

Sl.	Course Title	Mode of Training	Venue	Duration	No. of Participants	Male Participants	Female Participants
1	GeM, Role of Buyer, Consignee and Other related issues	Offline	INGAF, Kolkata	One (01) Day, as on 03.09.2024	One (01)	One (01)	N.A.
2	Recruitment Rules, Promotion and DPC related issues	Offline	INGAF, Kolkata	One (01) Day, as on 05.11.2024	Two (02)	Two (02)	N.A.
3	Sexual Harassment in work place	Offline	INGAF, Kolkata	One (01) Day, as on 06.11.2024	Two (02)	Two (02)	N.A.
4	GeM, Role of Buyer, Consignee and Other related issues	Offline	INGAF, Kolkata	One (01) Day, as on 28.11.2024	Three (03)	Two (02)	One (01)
5	Vigilance Matters and Disciplinary Proceedings	Offline	INGAF, Kolkata	One (01) Day, as on 04.12.2024	Three (03)	Two (02)	One (01)
6	GeM, Role of Buyer, Consignee and other related issues	Offline	INGAF, Kolkata	One (01) Day, 19.12.2024	Two (02)	Two (02)	N.A.
7	Vigilance Matters & Disciplinary Proceedings	Offline	INGAF, Kolkata	One (01) Day, as on 28.01.2025	One (01)	N.A.	One (01)
8	Pay Fixation, Promotion, MACP, NFU, DPC, APAR	Offline	INGAF, Kolkata	One (01) Day, as on 05.02.2025	Two (02)	Two (02)	N.A.
9	e-Office and e-HRMS 2.0	Offline	INGAF, Kolkata	One (01) Day, as on 06.02.2025	Four (04)	Four (04)	N.A.
10	Communication Skills/ Stress Management	Offline	INGAF, Kolkata	One (01) Day, as on 21.02.2025	Two (02)	Two (02)	N.A.
11	RTI Act-2005	Offline	INGAF, Kolkata	One (01) Day, as on 11.03.2025	One (01)	One (01)	N.A.
12	CCS (Conduct) Rules	Offline	INGAF, Kolkata	One (01) Day, as on 12.03.2025	Three (03)	Three (03)	N.A.

8.10 Brief description of specific achievements and functions related to the implementation of the Official Language Policy by the Official Language Cell of the Institute

I) Delhi:

A. Official Language Implementation Committee Members:

Sl.	Name	Designation
01	Prof. Antar Bandyopadhyay	Head, Delhi Centre
02	Shri Samapan Padhi	Dy. Chief Executive (Admin.)
03	Smt. Simmi Marwah	Sr. Administrative Officer
04	Shri. Parama Gogoi	Sr. Accounts Officer
05	Shri. Uday Bhanu Kandha	Associate Scientist 'C'
06	Shri Pankaj Kumar Meena	Administrative Officer
07	Shri. Amardeep (April-October, 2024)	
08	Smt. Khusboo Singh (November, 2024- March,2025)	Office Assistant 'A'

B. Official Language Implementation Meeting:

Sl.	Date	Agenda
01	16.07.2024	Discussion on quarterly report. (April-June, 2024), etc.
02	22.10.2024	Discussion on quarterly report. (July- Sept, 2024), etc.
03	30.12.2025	Discussion on Inspection of Parliamentary Committee held on 26.12.2024, etc.
04	27.03.2025	Discussion on quarterly report. (Oct-Dec, 2024), etc.

C. Hindi Workshop:

Sl.	Date	Subject	No of participants	Speakers
01	28.06.2024	Difficulties faced while working in the office in official language Hindi and solutions for the same.	11(M) 3(F)	Shri Sumer Singh (JNU)
02	03.09.2024	Linguistic diversity in India and the role of Hindi.	17(M) 3 (F)	Smt. Vibha Bisht (C-Dot)
03	23.12.2024	Parliamentary Committee and Official Language Hindi	10(M) 4(F)	Shri Sumer Singh (JNU)
04	26.03.2025	Official language policy of the Government of India and the use of Hindi in administrative work.	13 (M) 4(F)	Shri Ankur Vijaivargiya (IIMC)

**D. Hindi Pakhwara:**

Sl.	Date	Name of the Competition	No of participants
01	13.09.2024 - 26.09.2024	Hindi Pakhwada (5 Competitions)	8 (M) 2(F)
02	18.03.2025 - 25.03.2025	Laghu Hindi Pakhwada (5 Competitions)	8 (M) 2(F)

II) Giridih:**A) Official Language Implementation Committee Members:**

Sl.	Name	Designation
1	Dr. Hari Charan Behera	In-charge/Associate Professor

B) Official Language Implementation Meeting:

Sl.	Date	Agenda
01	20.05.2025	Promote hindi language

C) Hindi Pakhwada:

Sl.	Date	Name of the Competition	No of participants
01	30.06.2024	Hindi Pakhwada	Female -5

III) Kolkata:**A. Official Language Implementation Committee Members:**

Sl.	Name	Designation
1	Prof. Sanghamitra Bandyopadhyay, Director	Chairman
2	Dr. Kishor Chandra Satpathy, Chief Librarian	Chairman (Acting)

Sl.	Name	Designation
3	Shri Ravinder Kumar, Chief Executive (A&F)	Member
4	Prof. Amita Pal	Member (Till 30.04.2024)
5	Lieutenant Colonel Sandeep Pal, Dy. Chief Executive (Admin.)-B	Member
6	Shri Amitabh Mukherjee, Deputy Chief Executive (Finance) – B	Member
7	Shri Pratyush Banerjee, Dy. Chief Executive (Establishment)-A	Member
8	Shri Manoj Kumar Pandey, Senior Administrative Officer	Member
9	Shri Durgam Giri, Senior Administrative Officer	Member (Till 05.07.2024)
10	Shri Partha Bhattacharya, Senior Administrative Officer	Member
11	Shri Sujan Dutta, Senior Accounts Officer	Member
12	Shri Raj Narayan Mukherjee, Administrative Officer	Member
13	Shri Jayanta Kundu, Associate Scientist B	Member
14	Shri Prashant Tiwari, Hindi Officer	Member Convenor

B. Official Language Implementation Committee Meeting:

Sl.	Date	Agenda
1	31.07.2024	➤ Confirmation of the Minutes of the Last Meeting.
		➤ Discussion on Hindi Quarterly Progress Report.
		➤ Discussion on the Official Language Annual Program Year 2024-25.
		➤ Discussion on extension of Hindi Language Training (Praveen, Pragya and Parangat).
		➤ Discussion on nominating workers to participate in Hindi Intensive Workshops.
		➤ Discussion regarding the organization of Hindi Diwas and Hindi Pakhwada Program.
		➤ Discussion regarding participation by the Institute in the 4th All India Official Language Conference, Bharat Mandapam, New Delhi organized by the Department of Official Language, Ministry of Home Affairs, Government of India during 14-15 September, 2024.
		➤ Discussion on Official Language Implementation related inspection in all the Departments/ Sections/Units of the Institute.
		➤ Discussion on Official Language Inspection of the Bangalore & Chennai Centre of the Institute by the Headquarters.
		➤ Discussion on any other subject with the permission of the Hon'ble Chairman.
2	15.10.2024	➤ Confirmation of the Minutes of the Previous Meeting.
		➤ Discussion on the Hindi Quarterly Progress Report.
		➤ Discussion on the Official Language Annual Programme for the Year 2024–25.
		➤ Discussion on Nominating Employees for Hindi Intensive Workshops.
		➤ Discussion on Organizing a Hindi Technical Workshop (Working in Hindi on Computers).
		➤ Discussion on the Creation of Permanent Hindi Posts.
		➤ Discussion on Organizing a Rajbhasha Knowledge Competition for Staff Members During the Current Quarter to Promote the Use of the Official Language in the Institute.
		➤ Discussion on Official Language Implementation Inspections in All Departments / Sections / Units of the Institute.
		➤ Discussion on Nominations for the Five-Day Orientation Training Programme.
		➤ Discussion on Any Other Matter with the Permission of the Hon'ble Chairman.
3	10.01.2025	➤ Confirmation of the Minutes of the Previous Meeting.
		➤ Discussion on the Hindi Quarterly Progress Report.
		➤ Discussion on the Official Language Annual Programme for the Year 2024–25
		➤ Discussion on the Extension of Hindi Language Training (Praveen, Pragya, and Parangat).
		➤ Nomination of Employees to Participate in Online Hindi Intensive Workshops.
		➤ Discussion on the Creation of Permanent Hindi Posts.

Sl.	Date	Agenda
		<ul style="list-style-type: none"> ➤ Discussion on the Institute's Participation in the Eastern and Northeast Regional Official Language Award Conference, to be held in Guwahati on 5th March 2025, organized by the Department of Official Language, Ministry of Home Affairs, Government of India. ➤ Discussion on Organizing a Story Writing Competition Based on Displayed Images for Staff Members During the Current Quarter to Promote the Use of the Official Language in the Institute. ➤ Discussion on the Institute's Nomination for the Advanced-Level Translation Training Program Organized by the Central Translation Bureau, Department of Official Language, Ministry of Home Affairs, from 17th to 21st February 2025. ➤ Discussion on the Institute's Participation in the One-Day Training Programme on Kanthastha 2.0, Organized by the Department of Official Language, Government of India, for Translators/Hindi Officers of Central Government Offices/Institutions on 12th, 13th, and 14th February 2025. ➤ Discussion on Any Other Matter with the Permission of the Hon'ble Chairman.
4	March, 2025	<ul style="list-style-type: none"> ➤ Confirmation of the Minutes of the Previous Meeting. ➤ Discussion on the Hindi Quarterly Progress Report. ➤ Discussion on the Official Language Annual Programme for the Year 2024–25. ➤ Discussion on Nominating Employees for Hindi Intensive Workshops. ➤ Discussion on the Institute's Participation in the "Golden Jubilee Celebration of the Department of Official Language" at Bharat Mandapam, organized by the Department of Official Language, Ministry of Home Affairs, Government of India, on 26th June 2025. ➤ Discussion on the Institute's Participation in Another Event Organized by the Department of Official Language, Ministry of Home Affairs, Government of India, on 10th July 2025 at Hyderabad, as part of the Golden Jubilee Celebration. ➤ Discussion on the Institute's Participation in the Official Language Policy/Implementation/General Knowledge Competition and the Terminology & Translation Competition, organized by the Department of Official Language, Ministry of Home Affairs, Government of India, on 2nd June 2025 under the Golden Jubilee Celebration. ➤ Discussion on Organizing a Hindi Essay Writing Competition for Staff Members during the Current Quarter to Promote the Use of the Official Language in the Institute. ➤ Discussion on Any Other Matter with the Permission of the Hon'ble Chairman.



C. Hindi Workshop Details:

Sl.	Date	Subject	Number of participants	Speakers
1	14.06.2024	<p>First Session: Use of Hindi in Administration: Our Role and Responsibility</p> <p>Second Session: Discussion on the Routine Use of Hindi in Government Offices</p>	M-20 F-05	<p>Chief Guest Speaker : Shri Navin Kumar Prajapati, Senior Consultant (Official Language) and In-charge, Kolkata Centre, Central Translation Bureau, Department of Official Language, Ministry of Home Affairs, Government of India</p> <p>Chief Guest Speaker: Shri Jitendra Prasad, Deputy Director, Hindi Teaching Scheme, Department of Official Language, Ministry of Home Affairs, Government of India.</p>
2	18.09.2024	<p>First Session: Challenges and Solutions Related to Homonyms</p> <p>Second Session: The Journey of Hindi: Present Status and Future Course</p>	M-33 F-06	<p>Chief Guest Speaker: Shri Navin Kumar Prajapati, Senior Consultant (Official Language) Central Translation Bureau, Kolkata, Department of Official Language, Ministry of Home Affairs, Government of India</p> <p>Chief Guest Speaker: Shri Navin Kumar Prajapati, Senior Consultant (Official Language) Central Translation Bureau, Kolkata, Department of Official Language, Ministry of Home Affairs, Government of India</p>
3	13.12.2023	<p>First Session: The Need for and Practice of Gist Translation in Government Offices</p> <p>Second Session: Role of Terminology in Official Language and Communication</p>	M-20 F-05	<p>Chief Guest Speaker : Shri Navin Kumar Prajapati, Senior Consultant (Official Language) Central Translation Bureau, Kolkata, Department of Official Language, Ministry of Home Affairs, Government of India</p> <p>Chief Guest Speaker : Smt. Ragini Tiwari, Hindi Pradhyapak Hindi Teaching Scheme, Kolkata Department of Official Language, Ministry of Home Affairs, Government of India.</p>
4	26.03.2025	<p>First Session: The Role of Noting and Drafting Skills in Effective Official Communication</p> <p>Second Session: Discussion on the Government's Official Language Policy and Its Implementation</p>	M-26 F-05	<p>Chief Guest Speaker: Shri Navin Kumar Prajapati, Senior Consultant (Official Language) and In-charge, Kolkata Centre, Central Translation Bureau, Department of Official Language, Ministry of Home Affairs, Government of India</p> <p>Chief Guest Speaker: Dr. Vichitrasen Gupta, Deputy Director (Implementation) Regional Implementation Office, Department of Official Language, Kolkata, Ministry of Home Affairs, Government of India.</p>



D. Hindi Pakhwada Celebration Details:

Sl.	Date	Name of Competition	Number of Participants
1	18.09.2024	Inauguration of Hindi Fortnight & Hindi Workshop	80
2	18.09.2024	Rajbhasha Knowledge & Translation Competition	50
3	19.09.2024	Hindi Debate Competition	44
4	20.09.2024	Hindi Extempore Speech Competition	45
5	23.09.2024	Hindi Poetry Recitation Competition	45
6	24.09.2024	Hindi Essay Writing Competition	46
7	29.09.2024	Closing Ceremony of Hindi Fortnight & Prize Distribution	80

**E. Technical Workshop / Hindi Competitions Details:**

Sl.	Date	Subject	Number of participants	Speakers/Organizers
1	14.06.2024	Crash Translation Training Program	25	Under the aegis of Central Translation Bureau, Kolkata
2	18.09.2024	Crash Translation Training Program	39	Under the aegis of Central Translation Bureau, Kolkata
3	26.03.2025	Technical Hindi Workshop	31	Under the aegis of Hindi Teaching Scheme, Kolkata
4	14.06.2024	Hindi Essay Writing Competition	28	Official Language Cell, ISI Kolkata
5	13.12.2024	Rajbhasha Knowledge Competition	38	Official Language Cell, ISI Kolkata
6	26.03.2025	Picture-Based Story Writing Competition	30	Official Language Cell, ISI Kolkata

F. Any other Special Workshop/Training Programme:

Sl.	Date	Subject	Number of Participants	Speakers/Organizers
1	08.07.2024 – 12.07.2024	Five-days Intensive Hindi Workshop	01	Central Hindi Training Institute, Official Language Department, Ministry of Home Affairs, Government of India, New Delhi.
2	18.11.2024 – 22.11.2024	Five-days Intensive Hindi Workshop	01	Central Hindi Training Institute, Official Language Department, Ministry of Home Affairs, Government of India, New Delhi.
3	18.11.2024 – 22.11.2024	Five-days Intensive Hindi Workshop	01	Central Hindi Training Institute, Official Language Department, Ministry of Home Affairs, Government of India, New Delhi.
4	03.06.2024 – 07.06.2024	05 days Official Language Orientation Programme	01	Central Hindi Training Institute, Official Language Department, Ministry of Home Affairs, Government of India, New Delhi.
5	02.04.2024	Meeting of Town Official Language Implementation Committee, Kolkata (02)	02	Town Official Language Implementation Committee, Department of Official Language, Ministry of Home Affairs, Government of India, Kolkata.

Sl.	Date	Subject	Number of Participants	Speakers/Organizers
6	03.09.2024	Meeting of Town Official Language Implementation Committee, Kolkata (02)	02	Town Official Language Implementation Committee, Department of Official Language, Ministry of Home Affairs, Government of India, Kolkata.
7	July, 2024 - November, 2024	Organizing Classes for Hindi Language Training (Praveen/Pragya Parangat)	20 (Pragya/Parangat)	Hindi Teaching Scheme, Department of Official Language, Ministry of Home Affairs, Government of India, Kolkata.
8	January, 2025 - May, 2025	Organizing Classes for Hindi Language Training (Praveen/Pragya Parangat)	22 (Praveen/Parangat)	Hindi Teaching Scheme, Department of Official Language, Ministry of Home Affairs, Government of India, Kolkata.

G. Other Miscellaneous Works related to Implementation of Official Language:

Sl.	Date	Subject	Organizer
1	13.03.2025	Rajbhasha Inspection held by Regional Implementation Office, Department of Official Language, Ministry of Home Affairs, Kolkata	Official Language Cell, ISI Kolkata

H. Participation by the Institute in the Competitions of Official Language Hindi organized at NARAKAS Level:

Sl.	Date	Name of the Competition organized at NARAKAS Level	Names of the Participants
1	16.01.2025	Participation in Hindi Essay Writing Competition organized under the aegis of Town Official Language Implementation Committee, Kolkata (Office-2), Official Language Department, Ministry of Home Affairs, Government of India, Kolkata	1. Ms. Pamli Sengupta 2. Shri Arindam Ghosh 3. Shri Dipak Kumar Das 4. Shri Vineet Kumar
2	22.01.2025	Participation in Hindi Extempore Speech competition under the aegis of Town Official Language Implementation Committee, Kolkata (Office-2), Official Language Department, Ministry of Home Affairs, Government of India, Kolkata	1. Sri Nayan Chandra Majee 2. Ms. Rukmini Shaw 3. Shri Manoj Kumar Pandey
3	24.01.2025	Participation in Story Writing Competition Based on a Picture organized under the aegis of Town Official Language Implementation Committee, Kolkata (Office-2), Official Language Department, Ministry of Home Affairs, Government of India, Kolkata	1. Shri Arindam Ghosh 2. Shri Abhishek Roy 3. Shri Manoj Kumar Pandey 4. Shri Satyanarayan Oraon
4	29.01.2025	Participation in Quiz competition organized under the aegis of Town Official Language Implementation Committee, Kolkata (Office-2), Official Language Department, Ministry of Home Affairs, Government of India, Kolkata	1. Shri Amrita Roy 2. Shri Nayan Chandra Majee 3. Shri Vineet Kumar
5	18.02.2025	Participation in Hindi Poetry Recitation Competition organized under the aegis of Town Official Language Implementation Committee, Kolkata (Office-2), Official Language Department, Ministry of Home Affairs, Government of India, Kolkata	1. Shri Amrita Roy 2. Shri Abhishek Roy 3. Ms. Rukmini Shaw 4. Ms. Archana Kumari Shaw
6	20.02.2025	Participation in Official Language Vocabulary and Hindi Word Knowledge Competition organized under the auspices of Town Official Language Implementation Committee, Kolkata (Office-2), Official Language Department, Ministry of Home Affairs, Government of India, Kolkata	1. Ms. Pamli Sengupta 2. Ms. Archana Kumari Shaw 3. Shri Dipak Kumar Das

I. Special Achievements:

Indian Statistical Institute Kolkata is an active member of the Town Official Language Implementation Committee Kolkata (Office-2). During this year total 06 competitions were organized under the aegis of Town Official Language Implementation Committee Kolkata (Office-2), in which our Institute participated enthusiastically and obtained highest 09 prizes amongst 60 participated organizations.

List of Institute's Winners in Competitions held under the Town Official Language Implementation Committee Kolkata (Office-2)

Sl.	Name of the Participants	Name of Competition and Date of Event	Secured Position
1	Shri Arindam Ghosh	Hindi Essay Writing Competition – 16.01.2025	Third
2	Shri Manoj Kumar Pandey	Hindi Extempore Speech Competition – 22.01.2025	Consolation - 1
3	Ms. Rukmini Shaw	Hindi Extempore Speech Competition – 22.01.2025	Consolation - 2
4	Shri Manoj Kumar Pandey	Story Writing Competition Based on a Picture – 24.01.2025	First
5	Ms. Rukmini Shaw	Hindi Poetry Recitation Competition – 18.02.2025	First
6	Ms. Archana Kumari Shaw	Hindi Poetry Recitation Competition – 18.02.2025	Third
7	Shri Abhishek Roy	Hindi Poetry Recitation Competition – 18.02.2025	Consolation - 2
8	Ms. Pamli Sengupta	Hindi Glossary & Vocabulary Competition – 20.02.2025	First
9	Shri Amrita Roy	Quiz Competition – 27.02.2025	Consolation - 2

IV) Tezpur:

A. Official Language Implementation Committee Members:

Sl.	Name	Designation
1	Prof. Souvik Roy	Chairperson
2	Dr. Darpa Saurav Jyethi	Member
3	Ms. Rimlee Bardhan	Member
4	Mr. Subash K.	Member
5	Mr. Niraj Bhuyan	Member
6	Student Representative	Member
7	Mrs. Kakoli Gogoi	Convener

B. Official Language Implementation Meeting:

Sl.	Date	Agenda
1	04.09.2024	Celebration of Hindi pakhwada

C. Any other special Workshop/ Training Programme:

Sl.	Date	Subject	No of participants	Speaker/ Organizer
1	30.09.2024	Talk on "Importance of Hindi Literature"	22 (Male) 8 (Female)	Dr. Pranab Kumar Nath

8.11 Observation of Vigilance Awareness Week

Bangalore:

The centre observed Vigilance Awareness Week from 28th October to 3rd November 2024. Most of the employees had taken "Integrity Pledge for Organizations" on 30th October 2024.

Delhi:

Vigilance Awareness Week was observed from October 28, 2024 to November 03, 2024 at ISI, Delhi Centre and Integrity pledge was taken on October 28, 2024.

Kolkata:

Indian Statistical Institute, Kolkata, observed Vigilance Awareness Week from 28th October to 3rd November 2024. This year's theme, "Culture of Integrity for Nation's Prosperity" emphasized the importance of integrity and transparency. The week commenced with the integrity pledge on 28th October at 11 am, where staff across all divisions, departments, sections, units, and outlying centers participated. The pledge underscored the commitment to uphold ethical values and combat corruption. Various activities were organized throughout the week to promote vigilance and integrity.

A key highlight was the essay and poster-making competition organized by the Vigilance Committee chaired by Prof. Preeti Parashar, the Part-time CVO of ISI. Workers and students were invited to write essays and make posters on "Culture of Integrity for Nation's Prosperity" in either English or Hindi. The Vigilance Awareness Week concluded with a ceremony on 11th November 2024. The observance of Vigilance Awareness Week saw active participation from the ISI community, reinforcing the collective commitment to fostering an environment of integrity and transparency. The initiatives and activities organized during this week highlighted the significance of ethical conduct and the ongoing efforts to root out corruption in all its forms.



8.12 Reports on various activities of the Institute

A. Celebration of Independence Day

Bangalore:

The Bangalore Centre celebrated the Independence Day on 15th August 2024. Prof. B.S Daya Sagar, Head, Bangalore Centre hoisted the flag. Staff, students and campus residents attended the function.

Delhi:

The Indian Statistical Institute, Delhi Centre, had celebrated the 78th Independence Day on August 15, 2024. On Independence Day, the garlanding of the bust of Professor Prasanta Chandra Mahalanobis was done first, followed by the hoisting of the flag, singing of the National Anthem, and a speech by the Head of Delhi Centre. Sweets and chocolates were distributed to the kids, students, and staff members.

**Giridih:**

On Independence Day, the Giridih Branch celebrated with patriotic fervour. The event commenced with the unfurling of the National Flag, followed by the singing of the National Anthem. Students presented patriotic songs and cultural performances, creating an atmosphere of pride and devotion. The programme concluded with the distribution of sweets, symbolising joy and togetherness. These observances reaffirm the Institute's commitment to nurturing national values while fostering academic excellence.

Kolkata:

The Indian Statistical Institute, Kolkata, celebrated the 77th year of Indian Independence on 15th August 2024. The event saw the active participation of faculty members, staff, research scholars, students, guests, and dignitaries, reflecting the unity and enthusiasm of the ISI community.

Through this celebration, ISI reaffirmed its dedication to scientific research, innovation, and patriotism.



Tezpur:

ISINE Centre celebrated 78th Independence Day with flag hoisting done by Centre Head, Prof. Souvik Roy. The DGR securities deployed in the institute performed a parade.



B. Celebration of Republic Day

Bangalore:

The Bangalore Centre celebrated the Republic Day on 26th January 2025. Prof. B S Daya Sagar, Head Bangalore Centre hoisted the flag. Staff, students, and campus residents attended the function.

Delhi:

The 76th Republic Day was celebrated on January 26, 2025, at the Indian Statistical Institute, Delhi Centre. The event began with the garlanding of the bust of Professor Prasanta Chandra Mahalanobis, the unfurling of the flag, and the singing of the National Anthem. The Head of Delhi Centre delivered a speech. Cultural events, including patriotic songs, small plays, speeches on freedom fighters, musical performances, and other stage activities, were organized jointly by the Delhi Centre and ISI Club Delhi Centre. The Children took active participation and performed on stage. Sweets were distributed to the kids, students, and staff members.



Giridih:

On Republic Day, the National Flag was hoisted across the campus in a solemn ceremony, symbolising the spirit of democracy and national pride. The programme included cultural performances, recitations, and inspirational speeches delivered by faculty members and students. The speeches highlighted the ideals of justice, liberty, equality, and fraternity as enshrined in the Constitution of India, and urged the community to uphold these values in both academic and social life

Kolkata:

The Indian Statistical Institute, Kolkata, celebrated 76th Republic Day on 26th January 2025 with a series of events that highlighted patriotism and the institute's commitment to academic excellence. The celebrations began with a flag-hoisting ceremony conducted by the Chief Guest, Dr. Abhijit Gupta, followed by the national anthem. The event concluded with a spirited Tug of War competition, fostering camaraderie

among participants. The celebration was attended by a large number of faculty members, staff, research scholars, students, guests, and dignitaries, showcasing the unity and enthusiasm of the ISI community.



Tezpur:

ISINE Centre observed 76th Republic Day and the national flag was hoisted by Prof. Souvik Roy, Centre Head.

C. Celebration of Birth Anniversary of Prof. P. C. Mahalanobis

Bangalore:

131th Birth Anniversary of PC Mahalanobis was celebrated on 29th June 2024 in our centre. Welcome addressed by Dr. B.S Daya Sagar, Centre Head, A Special lecture delivered by Prof. Alladi Sitarama, Emeritus Professor, ISIBC. Prof. Mohan Delampady, Felicitated on the occasion of retiring on superannuation. Workers and students were assembled in front of PCM Bust Ghief Guest and Centre Head garlanded to PCM Bust. Workers' Day program, live telecast from ISI-Kolkata was also arranged through VC.

Chennai:

The birth anniversary of our Founder Prof.Prasanta Chandra Mahalanobis was celebrated as World Statistics Day on 29.6.24. Photograph of Prof.Mahalanobis was garlanded and flowered upon by the workers & students of the Centre.



Kolkata:

The Indian Statistical Institute, Kolkata, celebrated the 131st birthday of Prof. Prasanta Chandra Mahalanobis and 'Workers Day' and 'Statistics Day' on 29th June 2024. The theme of the celebration was "Use of Data for Decision-Making". The event began with the garlanding of Prof. Mahalanobis's bust, followed by the national anthem and a Vedic hymn.

The Director of ISI welcomed the guests, followed by addresses from Shri Biman Dey Sarkar, President of ISIWO, Prof. Abhirup Sarkar, Special Guest, Prof. Sankar Kumar Pal, President of ISI, Dr. Pronab Sen, Chairman of the ISI Council, and Prof. Sujit Basu, Chief Guest. The first part of the program concluded with the national anthem.

The celebration honored the legacy of Prof. Mahalanobis and celebrated the collective efforts of the ISI community in upholding the institute's values and mission.



Pune:

Celebrated the 131st birthday of Professor Prashanta Chandra Mahalanobis on 29th June, 2024. Entrepreneur of Pune Mr. Girish Mahindrakar, Director of Academy of Information Management, Pune graced the occasion. We offered respect with flowers to Professor at 09:00 am. Mr. Girish garlanded on the photo of Professor.

Subrata Rath, Head of the Unit, gave a talk on the contribution of Professor on national economy building and the field of research in statistics.

Mr. Girish Mahindrakar in his talk emphasised the need of application of statistics in India at present scenario. We celebrated the occasion, had lunch and concluded the session with a grand success.

Tezpur:

The Centre observed the 131st birthday Anniversary of Professor PC Mahalaobis as Statistics Day and Workers Day.



D. Celebration of International Yoga Day

Giridih:

The ISI Giridih Branch observed International Yoga Day on 21st June with active participation from faculty, staff, and students. The programme began with a brief introduction on the significance of yoga in promoting physical and mental well-being, followed by a guided yoga session conducted by trained instructors. Participants performed various asanas, pranayama, and relaxation techniques, emphasising the importance of balance and mindfulness in daily life. The event also featured a short talk on the role of yoga in stress management and holistic health, particularly relevant for students and researchers engaged in rigorous academic activities. By encouraging the practice of yoga, the Institute reinforced the importance of a healthy lifestyle, which in turn contributes to academic focus and productivity. The observance concluded with a collective pledge to incorporate yoga into everyday routines, thereby promoting long-term wellness. The programme reflected the Institute's

commitment to nurturing not only intellectual growth but also the physical and emotional well-being of its community members.

Kolkata:

The Indian Statistical Institute, in association with the ISI Club, celebrated 'Common Yoga Protocol' as a prelude to International Yoga Day on 21st June 2024. The event saw enthusiastic participation from students, research scholars, and workers, making it a grand success.



Tezpur:

ISI NE Centre observed the International Yoga Day under the guidance of Mr. Partha Pratim Das, Yoga Coach at Centre for Yoga and Sport Sciences, Tezpur University.

E. Celebration of International Women's Day

Kolkata:

Indian Statistical Institute celebrated International Women's Day (IWD) 2025 on the evening of 11th March 2025 at the Platinum Jubilee Auditorium, Kolkata campus. The theme of this year's event was "Accelerate Action – Advancing and Celebrating Women's Equality." The program began with an address by the honourable Director, Prof. Sanghamitra Bandyopadhyay, who highlighted the importance of nurturing hope and collective effort in the journey towards gender equality. The keynote address was delivered by Prof. Gurmeet Kaur, Department of Geology, Panjab University, Chandigarh. She spoke on the significance of identifying and preserving heritage stones used in monuments and jewellery, citing examples like Makrana Marble (used in the Taj Mahal and Victoria Memorial) and Jaisalmer Limestone. Her talk offered fascinating insights into lesser-known aspects of geology and heritage. This was followed by a panel discussion on "Does increasing women representation lead to greater gender equality?" featuring Smt. Damayanti Sen, Additional Director General of Police, West Bengal, and Ms. Anwesha Santra, journalist and lawyer. Both shared experiences from their professional journeys and emphasized the importance of policy and representation in changing mindsets and workplace environments. An award ceremony followed, recognizing winners of various competitions held in the lead-up to IWD. These included a photography contest titled "The Caged Bird Sings," a poetry and essay competition "Still I Rise," and an art contest "Phenomenal Woman." Proposals were also invited for the formation of a Women's Empowerment Committee to address gender issues on campus year-round. The evening concluded with a cultural program presented by students, staff, and faculty, celebrating the resilience and spirit of womanhood through songs, poetry, and performances. As part of the extended IWD celebrations, a yoga session titled "Yoga – A Path to Freedom" was conducted on 13th March by ISI's yoga instructor, Shri Nayan Kumar Mandal,



with participation from around 30 ISI members. The Institute takes pride in commemorating International Women's Day with sincerity, reflection, and collective engagement.

Tezpur:

ISINE Centre celebrated International Women's Day at the centre. A renowned social activist, Ms. Meenakshi Bhuyan was invited as a special guest on this day. She delivered a talk on "Pioneer of Change: Women of Assam in Freedom and Reform". She gave a brief on how Tezpur Mahila Samiti helped shaping the society specially women since 1962 Indo-China war. The theme for 2025 was "Accelerate Action" emphasizing the urgency to advance gender equality and empower women globally. A quiz competition was also organised to celebrate the day.

F. Birth Anniversary celebration of Dr. B.R. Ambedkar

Bangalore:

Birth Anniversary of Dr. B.R Ambedkar was celebrated on 14th April 2024. This function was jointly organised by the ISI Administration and SC/ST and OBC Council of the ISI BC. As part of 133rd Birth Anniversary of Dr. Ambedkar a special lecture was arranged on 24 May 2024. Prof. Krishnaraj, Centre for Economic Studies and Policy, Institute of Social and Economic Changes (ISEC), Bangalore, delivered a special on "Dr. B.R Ambedkar's unfulfilled agenda of Social Justice and Economic Empowerment".

Delhi:

Dr. Ambedkar Jayanti was celebrated on April 26, 2024. On this occasion, JNU's Professor Yagati Chinna Rao was invited as the chief guest and he delivered his speech on "Dr. Ambedkar's contribution". As part of the Dr. Ambedkar Jayanti program, a multiple choice competition was also held on April 16, 2024 on the topic "Dr. Ambedkar, Indian Constitution and Indian Polity". In this competition, the first, second and third winners were given cash prizes. In the same sequence, all the workers of the institute visited Pradhanmantri Sangrahalaya, Teen Murti Marg Area, New Delhi, Delhi 110011 by bus after lunch and returned to the Institute by 7 pm after cherishing the memories related to Baba Saheb and in this way Dr. Ambedkar Jayanti was celebrated.

Kolkata:

SC/ST/BC Employees' Co-ordination Council of ISI Kolkata organized a special event to celebrate the 133rd Birth Anniversary of Babasaheb Dr. B.R. Ambedkar. The Programme of garlanding on the portrait of Babasaheb Dr. B.R. Ambedkar was held on 14th April, 2024 at 10.00 am in

NAB-1 of Kolmogorov Bhavan. The theme of the programme was to discuss the mission and vision of Dr. B. R. Ambedkar, and the constitution of India. The programme was inaugurated by the Deputy Director, Prof. Dipti Prasad Mukherjee of ISI Kolkata who was the Chief Guest of the event. Other valuable guests of the programme were CE (A & F) Ravinder Kumar, Chief librarian Dr. Kishor Chandra Satpathy, Dean ISI Prof. Gopal Krishna Basak. The garlanding session was initiated by the Deputy Director and was followed by other guests, Members of the council, and a good number of present and retired Scientific, Non-Scientific and general workers of ISI Kolkata. After the inaugural speech by Prof. Dipti Prasad Mukherjee, valuable speeches were presented by other valuable guests and the Scientific, Non-Scientific and general workers. Some of the notable speakers from the scientific workers were Prof. Guruprasad Kar and Dr. Suparna Mandal Biswas and Rajesh Nath, Ranjit Kumar Sarkar from non-scientific workers. Finally the programme was concluded by Dr. Tapan Kumar Mandal through a vote of thanks.



G. Observance of Sexual Harassment at Workplace Prevention Week 2024

Kolkata:

The Indian Statistical Institute (ISI), Kolkata, observed Sexual Harassment at Workplace Prevention Week 2024 on 5th December 2024. As part of the programme, members of the Internal Complaints Committee (ICC) addressed the audience, highlighting the importance of creating a safe, respectful, and inclusive work environment. The event underscored the Institute's commitment to raising awareness, promoting dialogue, and reinforcing mechanisms for the prevention and redressal of sexual harassment at the workplace



H. Karnataka Rajyotsava Samarambha:

Bangalore:

ISIWO and Administration jointly organized Karnataka Rajyotsava function on 29th November 2024. Dr. H.G Rajesh, Historian and Honorary Secretary, Bangalore City District Kannada Sahitya Parishad, Bangalore invited as a Chief Guest.

I. Other Activities of the Institute

Bangalore:

Bachelor of Statistical Data Science (BSDS):

Opening Ceremony of the BSDS programme was held on 12th August 2024 in the hybrid mode. ISI Bangalore also participated in the opening ceremony. Prof. B.S Daya Sagar delivered the vote of thanks from Bangalore Centre

J. World Environment Day Observation

Tezpur:

The North East centre celebrated World Environment day on 5th June, 2024 along with NBCC.

K. Hindi Diwas:

Giridih:

Hindi Diwas was observed at ISI Giridih Branch on 14th September to promote the use of Hindi as the official language and to acknowledge its role in uniting the nation. The programme began with speeches by faculty members and students highlighting the importance of Hindi in administrative, academic, and cultural spheres. Competitions such as essay writing, poetry recitation, and debates in Hindi were organised, which saw enthusiastic participation from students and staff. The event also featured a discussion on the relevance of Hindi in modern education and technology, emphasising its adaptability and growing significance in research communication. Prizes were distributed to winners, encouraging greater participation in future. The observance of Hindi Diwas fostered linguistic pride and strengthened

the use of Hindi in official and academic interactions at the Institute. It also reaffirmed the Institute's role in supporting India's multilingual heritage while ensuring effective communication and inclusivity.

8.13. Swachhata Pakhwada

Bangalore:

Swachhata Hi Seva-2024

ISI Bangalore Centre conducted Swachhata Pakhwada and the following activities conducted during 17th September 24 to 2nd October 2024:

1. Display of Banner regarding Swachhata Pakhwadea.
2. Cutting of grass/bushes on the campus.
3. Spraying of Anti-Dengue oil & Bleaching power along the drains and buildings.
4. Cleaning and checking the operation of water filters (Hostels, Guesthouse & workers' Canteen).
5. Special drive for cleaning toilets & Bathrooms (Hostels and Admin Building).

Delhi:

The Swachhta Pakhwada-2024 was held from June 16 to June 30, 2024.

All the workers took part to clean the campus as part of a cleanliness drive (shramdaan). On June 27, a workshop was held at the Delhi Centre, led by Dr. R. S. Chandra (our AMA), focusing on the importance of cleanliness. The Swachhata Hi Seva 2024 campaign was organized from September 14 to October 2, 2024. As part of this, the staff gathered at the Administration Block on September 17, 2024, to take the Swachhata Hi Seva Oath. A workshop was held on September 20, 2024, by Dr. Pankaj Pahwal (our AMA), which focused on the importance of cleanliness and how to prevent the spread of diseases. To involve more people, an essay competition for workers and students was held on September 30, 2024. The campaign ended with the Swachh Bharat Diwas Celebration on October 2, 2024. At 11:00 AM, the Head of the Delhi Centre, along with staff and workers, gathered at the Administration Block and took part in one hour of 'shramdaan' to clean the campus. During the event, the Head also gave prizes to the winners of the essay competition.



Kolkata:

Theme: "Swabhav Swachhata – Sanskaar Swachhata"

The "Swachhata Hi Sewa – 2024" (Swachhta Pakhwada – 2024) under the theme "Swabhav Swachhata – Sanskaar Swachhata" was organized from 14th September 2024 to 2nd October 2024 in the premises of the Indian Statistical Institute, Kolkata, as per the instructions of our Nodal Ministry — the Ministry of Statistics and Programme Implementation. The Swachhta Pakhwada was inaugurated on 17th September 2024 with the lighting of the lamp by Shri Ravinder Kumar, Chief Executive (Admin & Finance). After the inauguration, Shri Ravinder Kumar administered the Swachhta Pledge to all personnel present in the Conference Room. The inauguration programme was attended by Shri Manoj Kumar Pandey, Nodal Officer, Shri Prashant Tiwari,

Assistant Nodal Officer and General Secretary, ISIWO, along with faculty members, students, institute personnel, and sanitation workers. During the Pakhwada, special emphasis was laid on various aspects of cleanliness. A detailed programme of activities was circulated through an Office Circular to all Centres and Branches of the Institute. The activities included:

- Cutting of grass and bushes
- Shramdaan (voluntary labour) by institute staff
- Cleaning of the Institute campus and pond
- Cleaning of office and hostel toilets
- Cleaning of drains
- Anti-mosquito fogging
- Spraying of chemicals to prevent mosquitoes and insects
- Sprinkling of bleaching powder
- Removal of accumulated garbage
- Creation of open spaces and beautification of surroundings

Other Activities Conducted

1. An Office Memorandum was issued to all Centres and Branches of the Institute directing them to conduct cleanliness activities as per the prescribed schedule. The activities were successfully carried out by all units.
2. Posters, placards, and banners received from the Nodal Ministry were displayed at prominent locations across

the campus to maximize public awareness.

3. A workshop highlighting the importance of cleanliness was organized. Eminent speakers, including Shri Ravinder Kumar, Shri Manoj Kumar Pandey, and Shri Prashant Tiwari, addressed the participants and shared their views on the significance of maintaining cleanliness.
4. A Swachhta Rally was organized within the Institute campus to promote awareness. A large number of institute staff and sanitation workers participated enthusiastically.
5. An Extempore Speech Competition on the topic “Swachhata” was held under two categories — Hindi Speaking and Non-Hindi Speaking. Winners of the First, Second, and Third Prizes were announced in both categories.
6. Interactive discussions with sanitation workers were held regularly during the Pakhwada to encourage them and ensure that cleanliness was maintained at an excellent level throughout the premises.
7. All the activities under Swachhta Pakhwada were successfully carried out at the Institute’s other Centres and Branches located at Delhi, Bengaluru, Hyderabad, Chennai, Giridih, and Tezpur.
8. The Swachhta Pakhwada concluded on 2nd October 2024 with an address by Shri Manoj Kumar Pandey, Nodal Officer, and Shri Prashant Tiwari, Assistant Nodal Officer.

Summary of Activities

A brief summary of the activities conducted during the Swachhta Pakhwada – 2024 is given below:

Sl.	Activities Held	Date
1	Cleanliness and Maintenance Activities <ul style="list-style-type: none"> • Cutting of grass and bushes in the Office Campus and Hostels. • Repair and maintenance of toilets in the Office and Hostels. • <i>Shramdaan</i> by workers and students of the respective Centres/Branches. 	14/09/2024
2	Beautification and Awareness <ul style="list-style-type: none"> • Beautification of Office Campus and Hostels with flower pots, crotons, etc. • Spreading awareness through social media, print media, posters, and banners. • Weeding out of old files in respective departments as per rules. 	15/09/2024
3	Community and Environmental Initiatives <ul style="list-style-type: none"> • Selection of a nearby public place for a cleaning drive. • Disposal of e-waste. • Cleaning of overhead water tanks. 	16/09/2024
4	Workshops and Awareness Sessions <ul style="list-style-type: none"> • Workshops on the importance of Swachhata. • Workshops highlighting the importance of cleanliness and protection against epidemics. 	18/09/2024
5	Awareness and Preventive Measures <ul style="list-style-type: none"> • Trimming of obstructing tree branches. • <i>Swachhata Rally</i> in the campus for creating awareness. 	20/09/2024

Sl.	Activities Held	Date
6	Cleaning and Preventive Measures <ul style="list-style-type: none"> Spraying of anti-dengue oil and bleaching powder along drains, buildings, and marshy areas. Special drive for cleaning toilets and bathrooms 	21/09/2024
7	Cleaning and Preventive Measures <ul style="list-style-type: none"> Spraying of anti-dengue oil and bleaching powder along drains, buildings, and marshy areas. <i>Shramdaan</i> Activities in nearby locality of respective centres/branches. 	24/09/2024
8	Cleaning and Preventive Measures <ul style="list-style-type: none"> Cleaning of drains and checking the operation of water filters. Cleaning of ponds and other water bodies. 	25/09/2024
9	Competition <ul style="list-style-type: none"> Extempore competition on the theme of cleanliness. 	26/09/2024
10	Awareness Programme <ul style="list-style-type: none"> Plantation Drive with participation of students & workers of the Institute. Workshops highlighting the importance of cleanliness and protection against epidemics. 	27/09/2024
11	Participation & Awareness Programme <ul style="list-style-type: none"> Awareness on discarding the use of single use plastics. Speech session on SWACHHATA with participation of students & workers of the Institute. 	28/09/2024
12	Press Communique of SWACHHATA PAKHWADA for Print Media.	30/09/2024





Tezpur:

ISINE Centre observed “Swachhata Hi Seva” a week-long event. All workers of the institute along with outsourced workers participated in the event.

Chapter

9

Annual Accounts



9.1 Balance Sheet as on 31st March, 2025

(Amount in Rupees)

PARTICULARS	SCHEDULE	CURRENT YEAR (2024-25)	PREVIOUS YEAR (2023-24)
LIABILITIES			
CORPUS/CAPITAL FUND	1	2744360553	2434554745
EARNMARKED FUNDS	3	1524614045	1476080644
ENDOWMENT FUNDS	3A	20549775	18191852
CURRENT LIABILITIES & PROVISION	7	330366607	331631350
LIABILITIES FOR FIXED ASSETS OF EXT. AIDED FUND		288556349	274406475
LIABILITIES FOR FIXED ASSETS OF ISEC FUND		1167659	1167659
LIABILITIES FOR FIXED ASSETS OF IGP PROJECT		7806123	7686123
TOTAL		4917421111	4544518848
ASSETS			
EARNMARKED / ENDOWMENT FUNDS	3	426974	1814996
FIXED ASSETS	8	2604564990	2426060939
INVESTMENT / ASSETS FROM EARMARKED/ EARMARKED/ENDOWMENT FUNDS	9	1344945267	1206951271
CURRENT ASSETS, LOANS AND ADVANCES	11	669953749	626431385
FIXED ASSETS OF EXT. AIDED FUND		288556349	274406475
FIXED ASSETS OF ISEC FUND		1167659	1167659
FIXED ASSETS OF IGP PROJECT		7806123	7686123
TOTAL		4917421111	4544518848
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES & NOTES ON ACCOUNTS	25		

Signed in terms of our Report of even date.

Place: Kolkata

Date: 17.09.2025

Sd/-

D. Chakrabarti/A. Mukherjee
Dy. Chief Executive (F)

Sd/-

Ravinder Kumar
Chief Executive (A&F)

Sd/-

Sanghamitra Bandyopadhyay
Director

For SBA Associates
Chartered Accountants
(Firm Registration No. 308136E)

Sd/-
Gautam Sen
Partner
Membership No. 055110
ICAI UDIN: 25055110BNUJPC7537

9.2 Income & Expenditure Account for the year ended on 31st March, 2025

(Amount in Rupees)

PARTICULARS	SCHEDULE	CURRENT YEAR (2024-25)		PREVIOUS YEAR (2023-24)	
		GRANT SALARY	GRANT GENERAL	GRANT SALARY	GRANT GENERAL
INCOME					
MISCELLANEOUS RECEIPTS	12	173269311		124216082	
GRANT IN AID FROM GOVT OF INDIA	13	2376051123	875931450	2294436858	614724000
TOTAL (A)		2549320434	875931450	2418652940	614724000
EXPENDITURE					
ESTABLISHMENT EXPENSES	20	2391264824		2374761817	
OTHER ADMINISTRATIVE EXPENSES	21		882146203		652873139
TOTAL(B)		2391264824	882146203	2374761817	652873139
BALANCE BEING SURPLUS / (DEFICIT) [A-B]		158055610	-6214753	43891123	38149139
CARRIED TO CORPUS/ CAPITAL			151840857		5741984
SIGNIFICANT ACCOUNTING POLICIES	24				
CONTINGENT LIABILITIES & NOTES ON ACCOUNTS	25				

Signed in terms of our Report of even date.

Place: Kolkata

Date: 17.09.2025

Sd/-

D. Chakrabarti/A. Mukherjee
Dy. Chief Executive (F)

Sd/-

Ravinder Kumar
Chief Executive (A&F)

Sd/-

Sanghamitra Bandyopadhyay
Director

Sd/-

Gautam Sen
Partner

For SBA Associates

Chartered Accountants

(Firm Registration No. 308136E)

Membership No. 055110

ICAI UDIN: 25055110BNUJPC7537

9.3 Capital Utilization Statement for the year ended on 31st March, 2025

(Amount in Rupees)

PARTICULARS	CURRENT YEAR (2024-25)	PREVIOUS YEAR (2023-24)
GRANT RECEIVED FOR CREATION OF CAPITAL ASSETS	164125093	134291795
(INCL C/F OF PREVIOUS YEAR)		
TOTAL (A)	164125093	134291795

PARTICULARS	CURRENT YEAR (2024-25)	PREVIOUS YEAR (2023-24)
EXPENDITURE ON CREATION OF CAPITAL ASSETS	196257118	151626702
TOTAL (B)	196257118	151626702
NET BALANCE (A-B)	-32132025	-17334907

Signed in terms of our Report of even date

Place: Kolkata

Date: 17.09.2025

Sd/-
D. Chakrabarti/A. Mukherjee
Dy. Chief Executive (F)

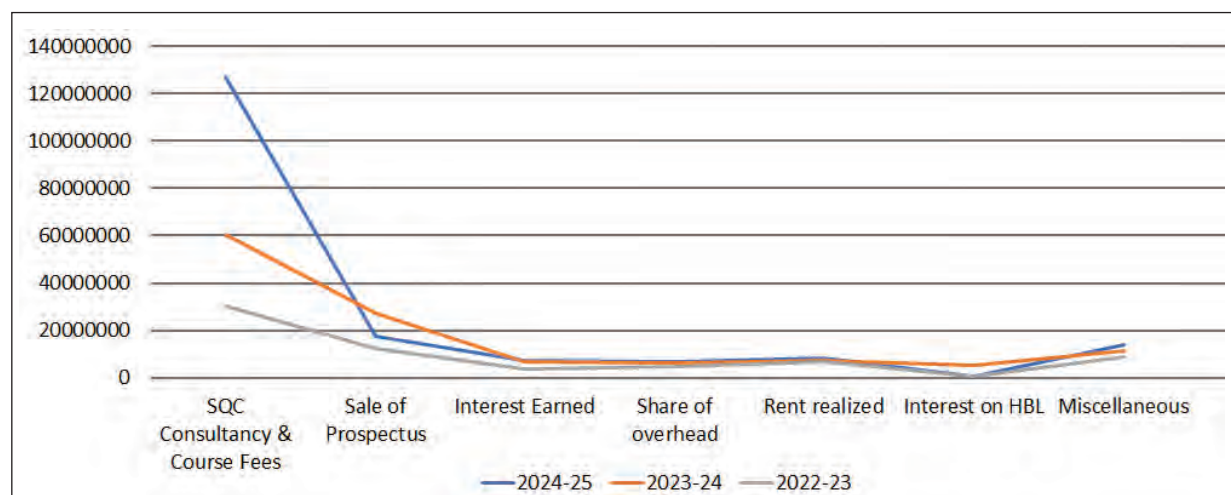
Sd/-
Ravinder Kumar
Chief Executive (A&F)

Sd/-
Sanghamitra Bandyopadhyay
Director

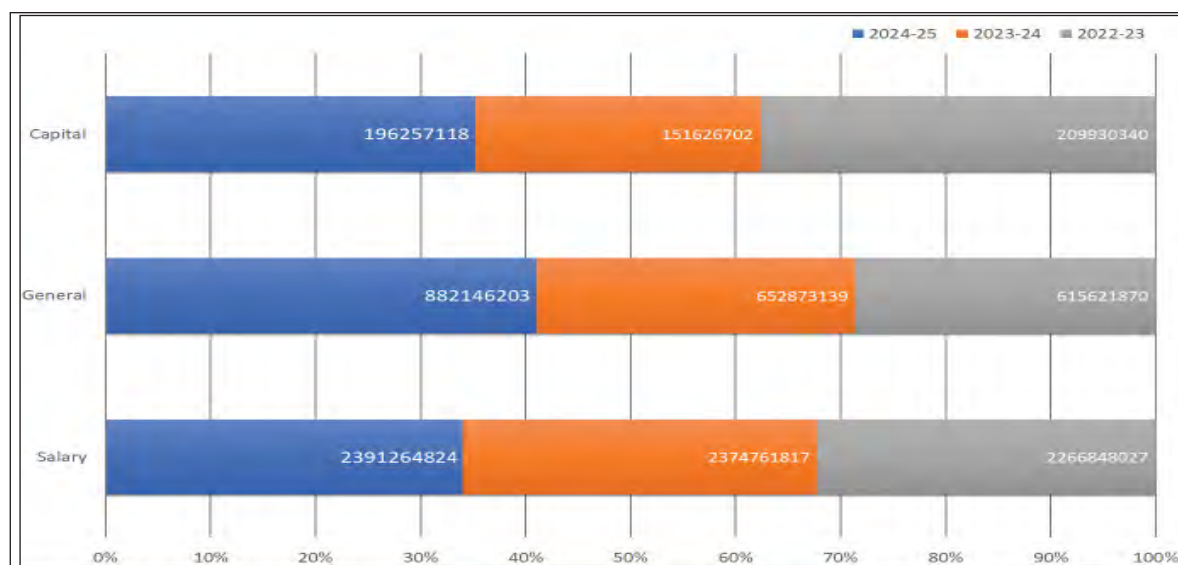
For SBA Associates
Chartered Accountants
(Firm Registration No. 308136E)

Sd/-
Gautam Sen
Partner
Membership No. 055110
ICAI UDIN: 25055110BNUJPC7537

Internal Generation of Revenue



Expenditure





INDIAN STATISTICAL INSTITUTE

203, Barrackpore Trunk Road,
Kolkata – 700108, West Bengal, India
<https://www.isical.ac.in>