Preparing Software analyst/engineer for IT Sector
Computer applications are vital for the Information technology field which is driving today’s modern digital world. After PGDCA, students can work in IT companies in departments like design, development, assembly, manufacturer and maintenance etc. Apart from working in multinational companies this course also grooms research fellows who have passion for innovation and learning new technology and exploring new vistas for the use of existing technology. Career in IT is considered as full of opportunities and one of the most highly paying jobs; especially when India has its brand name in IT sector all over the world.

The Post Graduate Diploma in Computer Applications (PGDCA) – is offered by ISI Kolkata at Giridih branch – focus mainly in shaping students as Computer technologist’s professionals by providing the excellent educational training.

PGDCA is a one year full time diploma program intended to provide students with a comprehensive training in computer programming, and an introductory theory and applications of computer sciences, in addition to some exposure to Mathematics and Statistics. It is so designed that on successful completion, the students will be able to take up jobs as Software developers, Hardware engineers, System designers, System Analyst, Networking Engineers, DBA, Software testing, Security Analyst, Data/Risk/Statistical Analyst etc. in either the government or private multinational companies. Some of the eponymous features of the PGDCA program include that course is taught by reputed faculty members of Indian Statistical Institute Kolkata at Giridih branch and have the direct on-campus placement opportunity by premium multinational IT consultation and services company.
PGDCA students will stay and learn the course at giridih branch of ISI Kolkata but have to visit ISI Kolkata regarding their placement or for some other kind of educational seminars, placement training etc. from time to time.

100% attendance is must for this course. There are two examinations in each semester in each course for all the programmes: mid-semester and semestral (final). The composite score in a course is a weighted average of the scores in the mid-semester and semestral examinations, home-assignments, practical record-book, project work, etc. (announced at the beginning of the semester).

If a student misses any mid-semester, semestral and back-paper examination due to medical or family emergencies, there is a provision for supplementary examination. The student can score at most 60% in the supplementary examinations to mid-semester and semestral examinations, and at most 45% in the case of a back-paper examination.

This course is residential but not strictly. ISI Kolkata giridih branch Institute has hostels in rudimentary conditions for the students in its premises. Because of ongoing under construction work they are allowing student to take up a personal accommodation. Limited medical facilities are available free of cost at all campuses.

Students successfully graduating from the program will be expected to join organizations working in the area of analytics and IT field. Those interested in higher studies may pursue doctoral or other advanced studies in related areas.
A candidate must hold a graduate/post graduate degree with a minimum of 10+2+4 years of formal education with Mathematics as one of the subjects from a recognized university/institute.

Candidates, who are in the final year, are also eligible to apply provided they complete their formal education as specified above by June, 2016.

Any student who is asked to discontinue the programme is not eligible for readmission in to this program.

**SELECTION PROCEDURE:**

Selection is based on the performance in written test and personal interview. Past academic record may also be taken into consideration.

The admission test will comprise multiple-choice and/or short-answer type questions on Basic Mathematics. And for interview good detailed conceptual knowledge about the subject is required.
Candidates interested in applying for the PGDCA inaugural batch 2016-17 can apply online at the ISI Kolkata website (http://www.isical.ac.in/)

Application Procedure:

(a) Candidates should fill in the application form online.
(b) They should upload self-attested copies of all requested documents.
(c) They should pay the application fee using the payment gateway available from the same website.
(d) They should include the payment confirmation details in the online application form.

The fee for applying to the program is Rs. 500/- for general category and Rs. 250/- for SC/ST/OBC & Physical challenged categories. Any application received without the payment of application fee will be considered incomplete and will not be eligible for further consideration.

Short listed candidates will be required to appear for personal interview (PI) as per the preferred choice of interview centre of the candidate. The five interview centers are Bengaluru, Delhi, Hyderabad, Kolkata and Mumbai. The final selection of the candidate will be based on performance in the PI, qualifying examination and any other criteria deemed suitable by the admissions committee. There are a maximum of 9 seats in PGDCA in 2016-17 but only well suited candidates will get chance to be the part of prestigious ISI institute. It is not compulsory to fill all the 9 seats.

Important dates

Last date for receiving the application: March 16, 2016
Written test for PGDCA: May 8, 2016
Announcement of shortlisted candidates for PI: On or before June 5, 2016
PI for shortlisted candidates: June 13, 2016
Announcement of final offer: On or before June 26, 2016
Commencement of PGDCA: August 9, 2015
This one-year programme consists of a total of 10 courses in two semesters distributed as five courses per semester. The list of courses is provided below. There is no tuition fee for the 1-year PGDCA programme for the batch 2016-17 which will cover your all expenses for tuition, on-campus lodging, books, study materials, examination materials and laboratory charges. Students have to only bear their food related expenses and any travel expenses.

LIST OF OFFERED ACADEMIC COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discrete Mathematics &amp; Statistics</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Introduction to Computer Architecture &amp; system software</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Introduction to computer programming</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Database Management systems</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Operating system</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Object oriented programming</td>
<td>Semester 2</td>
</tr>
<tr>
<td>Web technology</td>
<td>Semester 2</td>
</tr>
<tr>
<td>Software engineering</td>
<td>Semester 2</td>
</tr>
<tr>
<td>Computer networks</td>
<td>Semester 2</td>
</tr>
<tr>
<td>Project</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

Contact for placement: plccom@isical.ac.in  
Debapriyo Majumdar  
Convener  
Assistant professor, CVPR Unit  
Convener, Placement Committee  
ISI Kolkata, 203 B T road, Kolkata 700108, India.  
Student PR for PGDCA: Mahak Garg  
Email address: mahakgarg14@gmail.com  
Mobile no.: 9555492297