



B-30, Institutional Area, Sector-62,  
NOIDA – 201 307  
ISO 9001:2008 COMPANY



For information log on to :  
<http://www.cdacnoida.in/FS/pgdasdd.asp>  
Programme Leader : Mr. Sanjay Saxena  
Ph.: 0120 – 3063371-73, 3063383,  
9891612027, Fax: 0120 - 3063374  
[pgdasdd-noida@cdac.in](mailto:pgdasdd-noida@cdac.in)

## POST GRADUATE DIPLOMA IN ADVANCED SOFTWARE DESIGN & DEVELOPMENT

Last date for Online Registration: **21<sup>st</sup> January 2012**

Date of Entrance Exam: **28<sup>th</sup> & 29<sup>th</sup> January 2012**

Date of Result Declaration: **2<sup>nd</sup> February 2012**

Last Date of Payment of 1<sup>st</sup> installment of fees for  
selected candidates: **9<sup>th</sup> February 2012**

Last Date of payment of 1<sup>st</sup> installment of fees for  
waitlisted candidates: **10<sup>th</sup> February 2012**

Commencement of Course: **13<sup>th</sup> February 2012**

### CDAC PROFILE

CDAC, Noida was established with the mandate to undertake and promote State-of-the-Art Scientific Research & Development of electronics, and to design & develop Electronics Equipment and Systems for the growth of Electronics Industry. The main focus and objective of the organization lies in the development of High skill manpower in various platforms of IT industry through HRD activities, transmitting the goal of Ministry of Information Technology, Government of India, to bring fruits of Information Technology to every walk of life.

Finishing school of CDAC, NOIDA offers various post graduate diploma programmes, short term programmes at national / international levels. It also offers e-learning courses on specific subjects.

### ABOUT PGDASDD

Post Graduate Diploma in Advanced Software Design & Development is a six months (24 weeks) full time programme comprising of core and specialization modules with one major project. The syllabus of the course has been focused to cover practical engineering applications, presenting the theory behind applications and implementation. The programme prepares skilled Software professionals through classroom lectures and practical training, for design and development of software in latest technology.

The Core module subjects cover the fundamentals & give a base for better understanding of the specialized modules. The Specialization subjects are the upcoming technology in today's IT industry.

### FACILITIES AT CDAC NOIDA :

State-of-the Art Infrastructure, Well-equipped Library with access to International Journals, WiFi Network, Industry focused curriculum and Course Contents leading to International Certification, Creative cum learning work environment, Active placement cell, Experienced and resourceful faculty, Close and constant contact between faculty and students.

### ELIGIBILITY CRITERION

- M.E / M.Tech / B.E. / B. Tech(CS, IT, Electronics, Electronics & Communication, Electronics & Instrumentation, Electrical, Electrical & Electronics) / MCA / MCM (with B.Sc) / B.Sc (Engg.) / AMIE / M.Sc.(CS, IT, Instrumentation, Electronics, Electronics & Communication) / MBA (IT, Systems).
- Candidates should have minimum 60% in last qualifying degree. Also Candidates should not have less than 60% in more than one of the academic qualifications. Candidate who have less than 50% in any of the qualifications are Not Eligible. Students who have appeared for final semester Examinations are also eligible for this course.

### PLACEMENT CELL

Co-ordinates the task of organizing Campus Interview for the students just before the completion of the course in order to help them to secure attractive jobs. The candidates should keep in mind that selection will depend on the selecting criteria and qualitative requirements(Past academic record & Internal Assessment at CDAC, Noida) of the company and the placement cell has no say on the recruitment policy and process of the company visiting the campus. Partial list of our recruiters: NEC-HCL, Tech Mahindra, Patni, United Health Group, Aricent, R-Systems, Cyber Q, Team Computer, Aloha Technologies, Contata Solutions, Vinculum Group, Web Commerce etc.

## COURSE CONTENTS

### TERM I - CORE MODULE

**PROGRAMMING LANGUAGES :** Programming Fundamentals, C++  
Programming & Data Structures using C++  
**DATABASE MANAGEMENT USING SQL, PL/SQL**

**SOFTWARE ENGINEERING**  
**SOFTWARE TESTING**  
**UNIX SHELL SCRIPTING, WEB TECHNOLOGIES**

### TERM II - SPECIALIZATION MODULE

(Specialization module will be awarded on the basis of marks in Core Module Examination and choice of students)

#### MICROSOFT .NET

- HTML, DHTML, XML, JAVASCRIPT
- .NET Architecture & Framework
- Common Language Runtime
- C#
- Visual Basic.NET
- ASP.NET
- Database connectivity using VB.NET & ASP.NET
- .NET Remoting
- Localization
- Windows services
- Manipulation of XML
- Web Services
- AJAX

#### OPEN SOURCE TECHNOLOGIES

- PHP
- MYSQL
- Overview of Cloud Computing and SOA

#### PROGRAMMING IN JAVA

##### CORE JAVA

- Introduction to JVM, Classes & Objects
- Inheritance, AWT
- Event Handling, Multi Threading
- Java Packages & Collections
- Java I/O, Java Applets
- Java Foundation Classes (JFC)

##### ENTERPRISE JAVA

- J2EE Architecture
- JDBC, Servlets
- Java Server Pages (JSP)
- RMI, Struts Framework
- Java Network Programming
- Java Mail

#### OPEN SOURCE TECHNOLOGIES

- PHP
- MYSQL
- Overview of Cloud Computing and SOA

### APTITUDE SKILLS & PERSONALITY DEVELOPMENT

**PROJECT WORK (suggested domain areas):** Open Source Application, e-Governance etc.

## SUBMISSION OF APPLICATION & ENTRANCE EXAMINATION

For submission of Application Form, visit website [www.cdacnoida.in](http://www.cdacnoida.in). Registration for the course would be done **ONLINE**. All Candidates **must** also send the print out of the application form along with the self-attested photocopies of mark sheets and DD (if mode of payment is DD) so as to reach the below mentioned address. Candidates who have paid vide **Credit Card** are also required to send the print out of the application form along with the self-attested photocopies of marksheets. The last date of form submission is on or before **25<sup>th</sup> January 2012**. It is advised to read the General Instructions carefully before filling up the Application Form. Registration Fee is **Rs. 300/-** per course. Fee can be paid through DD or Credit Card only. DD should be in favor of CDAC, Noida payable at NOIDA. A candidate can apply for one or more than one course. Payment for each course has to be done separately. If payment is made through Credit Card then candidate shall be redirected to Payment Gateway of ICICI Bank by S/W wherein candidate can fill necessary details to complete the registration. There will be an **Online Entrance Examination** in 4 slots on **28<sup>th</sup> & 29<sup>th</sup> January 2012** at C-DAC, B-30, Institutional Area, Sector – 62, NOIDA. **The test would be conducted in 2 hrs slots and would be of Adaptive Type consisting of Multiple Choice Questions based on the following: DBMS Concepts, Operating Systems, IT fundamentals, Introduction to Computers, C Language, General English, Analytical reasoning, Quantitative Aptitude. For further details please visit [www.cdacnoida.in/FS/pgdasdd.asp](http://www.cdacnoida.in/FS/pgdasdd.asp)**

## REGISTRATION FEES

Fee for the Course is Rs. 55,150/- inclusive of Service Tax @10.3%, payable in two installments (First installment Rs. 33,090/- and Second of Rs. 22,060/- both inclusive of service tax) by Demand Draft in favour of CDAC, NOIDA payable at Noida. First installment of fee is to be deposited by the selected candidates at the time of admission i.e. on or before **9<sup>th</sup> February 2012**. The second installment is to be paid on the first working day of the programme i.e. **13<sup>th</sup> February 2012**. Course Fee is Non-transferable & Non-refundable. Fee may be refunded with certain conditions only, which will be declared along-with result of the programme. In case, any selected candidate does not pay first installment of fee by **9<sup>th</sup> February 2012**, his/her seat will be treated as vacant. Such vacant seats will be allotted to candidates in waiting list. Wait listed candidates may contact CDAC, NOIDA at 10:00 am at the venue given below on **10<sup>th</sup> February 2012** for allotment of seats on merit basis.

**VENUE:** C-DAC, B-30, INSTITUTIONAL AREA, SECTOR – 62, NOIDA, PH. 0120-3063371-73 FAX : 0120-3063374