



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



For information visit
<http://www.cdacnoida.in/FS/pgdisad.asp>
Ph.: 0120 – 3063371-73, 3063396,
9811900728
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Email : info.pgdisad@cdacnoida.in

POST GRADUATE DIPLOMA IN INFORMATION SECURITY & APPLICATION DEVELOPMENT (Under ISEA Project, DIT, MCIT, Govt. of India)

Last date for submitting Application Form:

3rd July 2009

Date of Entrance Exam:

11th & 12th July 2009

Date of Result Declaration:

16th July 2009

Last Date of Payment of 1st installment of fees for selected candidates: **27th July 2009**

Last Date of payment of 1st installment of fees for waitlisted candidates: **29th July 2009**

Commencement of Course:

3rd August 2009

CDAC PROFILE

CDAC, Noida was established with the mandate to undertake and promote State-of-the-Art Scientific Research & Development of electronics and to emerge as a premier R&D institution for the design, development and deployment of world class electronic and IT solutions for economic and human advancement.

The main focus and objective of the organization lies in the development of High skill manpower in various areas of IT industry through HRD activities. CDAC conducts and concentrates on high-end training in Information Technology and other emerging areas at Post Graduate Levels (Formal & Non-formal) which enables to meet the growing demand of IT skilled human resources.

ABOUT PGDISAD

Post Graduate Diploma in Information Security and Application Development is a one-year programme comprising of modules in Information security and software application development with one major project. It caters to the Human Resource Development in the area of Information security leading to development of indigenous hardware and software capabilities in the area of Information Security.

FACILITIES AT CDAC NOIDA

- CDAC, Noida will provide Wi-Fi network wherein students are required to bring their personal laptops having a wireless LAN Card to the centre for laboratory work (Practicals) throughout the duration of the course. Laptops would be configured by System Administration department for use within the campus. Students should maintain these settings for use within the campus.
- Other facilities: State-of-the Art Infrastructure, Well-equipped Library with access to International Journals, 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) / MCA / MCM (with B.Sc) / B.Sc(Engg.)/AMIE.

M.Sc.(CS, IT, Instrumentation, Electronics, Physics) / MBA(IT, Systems).

Students who have appeared for final year Examinations are 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 of the company and the placement cell has no say on the recruitment policy and process of the company visiting the campus. The brief list of companies that visited CDAC, Noida are IBM, HoneyWell, Satyam, E-bookers India Ltd, Bharti Telesoft, Quark, MBT, Web Commerce etc.

COURSE CONTENTS

TERM - I

OPERATING SYSTEM

CONCEPTS

LINUX INTERNALS

SHELL PROGRAMMING

PROGRAMMING LANGUAGE

FUNDAMENTALS

PROGRAMMING IN C++

DATA STRUCTURES USING C++

CRYPTOGRAPHY

PRIVATE AND PUBLIC KEY CRYPTOGRAPHY

CRYPTANALYSIS, ADVANCED PROTOCOLS

SOFTWARE ENGINEERING

DATABASE MANAGEMENT SYSTEMS

CONCEPTS : ER Diagram, Normalisation etc.

SQL, PL/SQL

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)

J2EE: JDBC, SERVLETS, JSP, RMI, EJB, STRUTS FRAMEWORK, HIBERNATE, SPRINGS

TERM - II

COMPUTER NETWORKS - CCNA Exploration

Network Fundamentals

Routing Protocols and Concepts

LAN Switching and Wireless

Accessing the WAN

REDHAT ENTERPRISE LINUX – 5

ESSENTIALS – RH033

SYSTEM ADMINISTRATION-RH133

NETWORK & SECURITY-RH253

WEB TECHNOLOGIES AND MICROSOFT .NET CONCEPTS

HTML/DHTML , JAVASCRIPT, XML

.NET ARCHITECTURE & FRAMEWORK

C#, ASP.NET

DATABASE CONNECTIVITY USING ADO.NET

WEB SERVICES

.NET Remoting

Localization

AJAX

SYSTEM SECURITY

OS SECURITY

PROGRAM FLAWS

BUFFER OVERFLOWS , RACE CONDITION

MALICIOUS CODE, SECURE E-MAIL SYSTEMS

AUTHENTICATION AND AUTHORISATION

SMART CARDS, KERBEROS

NETWORK SECURITY

PKI, TYPES OF ATTACKS

SECURITY PROTOCOLS

FIREWALLS AND PACKET FILTERING, VIRTUAL PRIVATE NETWORK

WIRELESS SECURITY

BLUETOOTH SECURITY

MOBILE SECURITY, MOBILE APPLICATION SECURITY

APTITUDE SKILLS & PERSONALITY DEVELOPMENT

PROJECT WORK (Eight Weeks)

SUBMISSION OF APPLICATION & ENTRANCE EXAMINATION

For submission of Application Form, visit website www.cdacnoida.in. The last date for submission of duly filled Application Form is 3rd July 2009. Same application form is to be used for applying for either or both of the courses i.e PGDISAD & PGDASDD. Examination fee for each of the course is Rs. 300/- . A demand draft of Rs. 300/- or Rs. 600/- (depending on number of courses applied for) in favour of CDAC, Noida payable at NOIDA has to be sent along-with attested photocopies of certificates/marksheets. The last date for sending of DD and attested photocopies of certificates/marksheets is 3rd July 2009. There will be an Online Entrance Examination in 4 slots on 11th July 2009 and 12th July 2009 at 2 centres i.e. C-DAC, B-30, Institutional Area, Sector – 62, NOIDA & CIT, MSME-DI Extension Centre, Opp. L Block outer Circle, Connaught Place, New Delhi. Candidate is required to indicate his/her choices in the Application Form. However, based on the availability of a particular slot, the final slot (Venue, Date & Time) would be indicated in the Admit Card. No request for change in the slot of examination shall be entertained. Test would be of 2 hrs or 3½ hrs duration consisting of 100 or 170 Multiple Choice Questions depending on number of courses applied for. Test would be based on following depending on course(s) opted.

Only PGDISAD: General Aptitude, “C” Programming Language, Computer Fundamentals and Computer Networks.

Both PGDISAD & PGDASDD - General Aptitude, “C” Programming Language, Computer Fundamentals, Computer Networks, Database Fundamentals and Operating System

REGISTRATION FEES

Fee for the Course is Rs. 60,000/- payable in two installments (First installment Rs. 30,000/- and Second Rs. 30,000/-) 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 27th July 2009. The second installment is to be paid on the first working day of the programme i.e. 3rd August 2009. 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 27th July 2009, his 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 the venue given below on 29th July 2009 for allotment of seats on merit basis.

VENUE:

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

B-30, INSTITUTIONAL AREA, SECTOR - 62, NOIDA
PH. 0120-3063371-73 FAX : 0120-3063374