



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



For information log on to our Web Site  
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## POST GRADUATE DIPLOMA IN SYSTEMS & DATABASE ADMINISTRATION ( under ISEA Project)

Last date for submitting Application Form:  
**28<sup>th</sup> February 2010**  
Date of Entrance Exam:  
**6<sup>th</sup> & 7<sup>th</sup> March 2010**  
Date of Result Declaration:  
**11<sup>th</sup> March 2010**

Last Date of Payment of fee for selected candidates:  
**17<sup>th</sup> March 2010**  
Last Date of payment of fee for waitlisted candidates:  
**19<sup>th</sup> March 2010**  
Commencement of Course:  
**22<sup>nd</sup> March 2010**

### 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 platform of IT industry through HRD activities, transiting 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 PGDSDA

In this global world nothing can be thought without computers and for connecting them we need large and dedicated network based on different Operating System. C-DAC, Noida has designed the six months (24 weeks) Post Graduate Diploma in Systems & Database Administration (PGDSDA) programme to fulfill the requirement of skilled manpower in the field of Networking and related technologies especially for installation, configuration & administration of different OS & Servers. This programme covers

- Networking
- Hardware Peripherals
- IT Security
- DBA
- CCNA Exploration
- Operating System
- Windows 2003 Server
- Red Hat Enterprise Linux 5
- Project

### FACILITIES AT CDAC NOIDA :

- A) CDAC, Noida will provide Wi-Fi network wherein
1. 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.
  2. In case a student doesn't have a laptop and wants to use lab facility (PC) of organization, student would be required to pay additional fee of Rs. 4000/- per 6 months / semester duration at the time of admission.
- B) 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

- B.E.(CS,IT,E&C, Electrical, Electronics & Instrumentation, Electrical & Electronics)/ B.Tech(CS,IT,E&C, Electrical, Electronics & Instrumentation, Electrical & Electronics) / AMIE/ MCA/ M.Sc(CS,IT,Electronics, E&C) /MCM (with B.Sc) / B.Sc (Engg.) /MBA(IT, Systems)
- Students appearing for the final year examination are also eligible.

### 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. Brief list of companies where students are working: Perot Systems, SafeNet, Apyl, Estel Telecom, CSC etc.

## COURSE CONTENTS

### FOUNDATION MODULE

#### OPERATING SYSTEM CONCEPTS

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Process Management</li> <li>• Operating System Structure</li> </ul> | <ul style="list-style-type: none"> <li>• Distributed Systems</li> <li>• I/O Systems</li> <li>• Storage Management</li> <li>• Protection &amp; Security</li> </ul> |
|--|---|

#### HARDWARE PERIPHERALS

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Bus, Motherboard</li> <li>• SCSI, Sound, Video</li> </ul> | <ul style="list-style-type: none"> <li>• Microprocessor, RAM, BIOS</li> <li>• CD ROM</li> <li>• Printer, Networking</li> </ul> |
| <ul style="list-style-type: none"> <li>• Assembling</li> <li>• Maintaining, Optimizing &amp; Troubleshooting PC</li> </ul> |  |

#### IT Security

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Physical Security</li> </ul> | <ul style="list-style-type: none"> <li>• Cryptography</li> <li>• Authentication</li> </ul> |
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#### Database Technology

- DBMS Concepts & SQL

#### Computer Networks

- CCNA Exploration I
  - OSI
  - TCP/IP – IPv4, IPv6
  - Networking Media, Networking Protocols
  - Networking Devices

#### System

#### WINDOWS 2003 SERVER(Basic)

- Managing a MS Windows Server 2003 Environment
- Implementing a MS Server 2003 Network Infrastructure Services
- Planning and Maintaining a MS Server 2003 Network
- Planning, Implementing, and Maintaining a MS Server 2003 Active Directory Infrastructure
- Internet Information Server 6.0

#### Administration

#### Linux Administration (RHCT Participant course)

- RedHat Linux Essentials(RH-033)
- RedHat Enterprise Linux System Administration(RH-133)

### SPECIALIZATION

### MODULE

#### Database Administration

- DBA Fundamentals I
  - Administration & Architecture
- DBA Fundamentals II
  - Backup & Recovery + Networking
- Performance & Tuning

#### Networks

- CCNA Exploration II
- CCNA Exploration III
- CCNA Exploration IV
- **WINDOWS 2003 SERVER NETWORK ADMINISTRATION(Advanced)**
- MS-Exchange Server, VPN, NAT, RAS, ISA Server
- **REDHAT ENTERPRISE LINUX 5 NETWORK ADMINISTRATION (RHCE Participant course)**
- Red Hat Network Services and Security Administration(RH-253)
- **IT Security (Advanced)**
- Securing the System, Network Perimeter Security, Security Standards

### APTITUDE SKILLS & PERSONALITY DEVELOPMENT

#### PROJECT WORK (4 Weeks)

### 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. It is advised to read the General Instructions carefully before filling up the Application Form. The last date for submission of duly filled application forms is 26<sup>th</sup> February 2010 at address mentioned below. Registration fee is Rs. 300/-. Fee can be paid through DD or Credit Card Only. DD should be in favour of CDAC, Noida payable at NOIDA. 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. Candidate should ensure that the printout of application form along with attested photocopies of certificates/marksheets and DD (if mode of payment is DD) should reach at below mentioned address latest by 26<sup>th</sup> February 2010. Roll No for exam of all such candidates would be displayed on CDAC, Noida website by 2nd March 2010. Candidates whose names are not in the displayed list should contact the Programme Leader. There will be an Online Entrance Examination in 4 slots on 6<sup>th</sup> & 7<sup>th</sup> March 2010 at C-DAC, B-30, Institutional Area, Sector – 62, NOIDA. The test would be of 2 Hrs. duration consisting of 100 Multiple Choice Questions based on following General Aptitude – 20 Qs, Computer Fundamentals – 40 Qs & Networking Fundamentals – 40 Qs.

### REGISTRATION FEES

Fee for the Course is Rs. 45,000/- payable in two installments (First installment Rs. 25,000/- and Second Rs. 20,000/-) 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 17<sup>th</sup> March 2010. The second installment is to be paid on the first working day of the programme i.e. 22<sup>nd</sup> March 2010. 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 17<sup>th</sup> March 2010, their seat will be treated as vacant. Such vacant seats will be allotted to candidates in waiting list. Wait listed candidates may contact at the venue mentioned below on 19<sup>th</sup> March 2010 for allotment of seats on merit basis.

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