



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



For information log on to :
<http://www.cdacnoida.in/SoE/pgdwt.a.asp>

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POST GRADUATE DIPLOMA IN WIRELESS TECHNOLOGIES & APPLICATIONS

Last date for submitting Application Form:

9th July 2010

Date of Entrance Exam:

17th & 18th July 2010

Date of Result Declaration:

21st July 2010

Last Date of Payment of 1st installment of fees for
selected candidates: **27th July 2010**

Last Date of payment of 1st installment of fees for
waitlisted candidates: **29th July 2010**

Commencement of Course: **2nd August 2010**

CDAC PROFILE

C-DAC, 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.

C-DAC, Noida conducts and concentrates on high-end training in Information Technology and other emerging related areas at Post Graduate Levels (Formal & Non-formal), which should provide the basis for sustainable growth and high value added employment to multi-talented I.T. personnel.

PGDWTA - Objectives and Focus Areas

The Post Graduate Diploma in Wireless Technologies and Applications is a six months (24 weeks) full time programme aimed at training Engineers from the field of Electronics/ Electronics & Communications/Electrical/Computer science. The proposed course will focus primarily on Wireless Technologies and developing applications. Course is design to cover fundamentals in programming concept with essential coverage to Networking, Telecommunication & Wireless concepts. It is mapped with the Micro-controller programming to develop applications on Wireless and Mobile Technologies focusing GSM, GPRS, CDMA, WLL, WLAN, WiFi etc. Objective of the programme will be obtained through practical oriented interactive training on the following modules

- Basics of OS and Programming Concepts.
- Basics of Wireless and Communication Network
- Programming with Micro-Controller
- Wireless and Mobile Technologies & Its Applications
- Project Work

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

B.E / B.Tech., M.E/ M Tech. or equivalent in Electronics/Electrical/ Electrical & Electronics /Computer/Electronics and Telecommunication/ Instrumentation/ M. Sc (Electronics). Students appearing for the final year examination are also eligible.

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

MODULE I: BASICS OF OS & PROGRAMMING CONCEPTS	
<ul style="list-style-type: none"> OPERATING SYSTEM SOFTWARE ENGINEERING CONCEPTS LINUX SHELL PROGRAMMING 	<ul style="list-style-type: none"> PROGRAMMING WITH C++ & DATA STRUCTURE PROGRAMMING WITH MOBILE JAVA TECHNOLOGY
MODULE II: BASICS OF WIRELESS & COMMUNICATION NETWORK	
<ul style="list-style-type: none"> DATA COMMUNICATION AND NETWORKING BASICS OF WIRELESS COMMUNICATIONS SYMBIAN OS USING C++ 	<ul style="list-style-type: none"> FUNDAMENTALS OF TELECOMMUNICATIONS BASICS OF RADIO FUNDAMENTALS
MODULE III: EMBEDDED PROGRAMMING	
<ul style="list-style-type: none"> PROGRAMMING WITH LINUX INTERNALS 8-BIT MICROCONTROLLERS AND INTERFACING 	<ul style="list-style-type: none"> PROGRAMMING WITH RTOS : RTLinux Programming with 16/32 BIT ARM CONTROLLER
MODULE IV: WIRELESS & MOBILE TECHNOLOGIES	
<ul style="list-style-type: none"> UNDERSTANDING GSM & GPRS 3G WIRELESS MOBILE COMMUNICATIONS: CDMA UMTS : OSA , NETWORK PROTOCOL, W-CDMA GPS: ARCHITECTURE, RECEIVER, DIFFERENTIAL GPS, APPLICATIONS OF GPS 	<ul style="list-style-type: none"> RFID 4G TECHNOLOGY: WAP, WLL, BLUETOOTH TECHNOLOGY, WLAN / WIFI TECHNOLOGY WIRELESS & MOBILE APPLICATIONS OVERVIEW OF UBIQUITOUS COMPUTING
MODULE V: SUGGESTED PROJECT WORK	
<ul style="list-style-type: none"> APPLICATIONS ON MULTIMEDIA MESSAGING SERVICES INTERNET INFORMATION SERVICES FOR WIRELESS DEVICES MOBILE PHONES APPLICATIONS INTERNET ENABLED PDA'S APPLICATIONS 	<ul style="list-style-type: none"> JAVA ENABLED MOBILE SECURED APPLICATION APPLICATIONS BASED ON MOBILE BANKING APPLICATIONS BASED ON MOBILE CAMERAS MOBILE SHOPPING APPLICATIONS LAN, MAN, WAN BASED MOBILE APPLICATIONS ETC

SUBMISSION OF APPLICATION & ENTRANCE EXAMINATION

For submission of Application Form, visit website www.cdacnoida.in. Registration for the course would be done **ONLINE**. Candidate should also send the print out of the application form along with the self-attested photocopies of certificates/ mark sheets and DD (if mode of payment is DD) so as to reach the below mentioned address. The last date of form submission is on or before 9th July 2010. It is advised to read the General Instructions carefully before filling up the Application Form. Registration Fee is Rs. 300/-. 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 multiple courses can be done through a single Demand Draft also. 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 17th & 18th July 2010 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: Introduction to Computers, C Language, Operating System, Digital Electronics, Circuit Theory, Linear IC Applications, Micro Processor & Micro Controller, Electronics Measurement & Instrumentation, Digital Communication, General English, Analytical reasoning, Quantitative Aptitude.**

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 27th July 2010. The second installment is to be paid on the first working day of the programme i.e. 2nd August 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 27th July 2010, 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 the venue given below on 29th July 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