

CDAC, Noida has been given a mandate by Govt. of India to undertake High-end Human Resource Development activities. With its mandate, the Centre focuses on Post Graduate Education Training and Research in emerging areas of Information Technology and Communication. The prime focus of Education and Training Programmes at CDAC, Noida is to establish the balance between advanced learning and research. Thus, fundamental premise of the academic culture at the centre is the inter-mixing and interaction of Research and Education.

The Education, Training and Certification services cover the following: -

- Post Graduate Education Programmes like MBA (Software Enterprise Management), M.Tech.(CSE), M.Tech.(IT), M.Tech.(VLSI Design), MCA, in affiliation with the GGS Indraprastha University, Delhi.
- Non-Formal Education Programme leading to specialization in the area of ERP, Advanced Computing, Embedded System & VLSI Design, System Administration, Wireless Technologies & Applications, Database Administration, Red Hat Enterprise Linux, Geographic Information System & Remote Sensing, Enterprise Network Management, e-Learning, etc.

The Institute prepares students to meet the ever-increasing technological and social challenges with its tradition of self-discipline, hard work, all round personality development and a creative approach to problem solving.

3.1 CDAC Advantages

CDAC professes the policy of establishing the balance between research and teaching for higher education. Thus, fundamental premise of the academic culture at the Centre is the inter-mixing and interaction of research and education. While advancing knowledge and understanding, it is expected that the research activity would provide experience in theory and experimentation for students and professionals, and at the same time it would ensure that classroom teaching remains up-to-date and relevant. Simultaneously, the teaching activity is expected to provide an ambience in which the relevance, accomplishments and vitality of its research are concurrently embedded in the knowledge upgradation process to provide a competitive edge to the students and professionals.

3.2 Interaction with Industry

A large number of distinguished organizations interact with the Institute through research and consultancy services, which bear testimony to the important role played by the Institution in National development. The Institute, on request, also undertakes specific tailor made courses for personnel from the Industry.

The focus of Consultancy Services is on Enterprise Resource Planning, Corporate Strategy, Business Process Engineering, GIS, CRM and Customization of Software Applications. In the Hardware Systems, the unit undertakes Requirement Analysis, Design, Simulation, Prototyping, Testing and Complete Technology Development and Transfer.

Pioneering efforts have been made by the Institute to make available a number of technology packages to various organizations in the country. This has resulted in development of interdisciplinary research linkages between the institution and various industries. A number of technologies/processes are available for commercial exploitation.

The Unit has established collaboration alliance with global technology leaders like Microsoft, IBM, Compaq and Oracle. For enhancing R&D - Academia interface, working relationships have also been established with Institutions like IIT's, GGSIP University, Delhi and AICTE, New Delhi.

3.3 Seminars, Workshops and Conferences

Dissemination of knowledge in the areas of emerging and futuristic technology, information technology and management is achieved by organizing seminars, workshops and conferences at regular intervals by the Institute. In addition, intensive short-term courses, specific areas or industry related courses and training programmes are organized by Institute.

3.4 Placement Facilities

Campus recruitment is a continuing feature of the Institute. Prominent potential employers/establishments are invited to send their selection teams to the Institute to select the students. Our students have been recruited in the companies like IBM, Cognizant, Cadence, HCL Technology, Infosys, CSC, Tech Mahindra, IFS, Satyam, Honeywell, Xanxa, Wipro, Perot System, L&T Infotech, Samsung, Reliance Infocomm, Patni, Freescale, TCS, to name a few.

3.5 Infrastructure

CDAC, Noida is housed in a centrally air-conditioned building with ultra modern facilities. The centre is equipped with extensive facilities, hardware and software, to foster the overall development of the students. The Institution has tie-ups with the leading global technology providers like Oracle, Microsoft, Sun, SAP, CISCO, IBM, Red Hat, Novel, Monta Vista, Actel etc.

3.5.1 Hostel

The institute has state-of-the-art boys and girls hostel with the capacity for 186 students in the academic campus. The hostels have spacious rooms, air-conditioned dining hall along with the modern amenities to make the student life comfortable. The lodging and boarding expenses for the hostel (Academic Campus) are Rs. 4500/- p.m. (including lodging and boarding, except lunch on working days).

As per existing procedure students coming from far-flung areas are given priority for hostel accommodation, due to acute shortage of rooms in hostel NCR students are considered only when seat is available after meeting the requirement of outstation students.

3.5.2 Library

Centrally air-conditioned library is spread over an area of 5600 sq. ft and has sufficient reading space and internet access facility. Library has 17,000(approx) National and International books. It also subscribes a wide variety of journals, magazines, manuals etc. for research and learning of the students. Under the consortium of libraries of the Ministry of Communications and Information Technology, Digital Information Resources & package like IEEE/IEE Electronic Library, ACM Digital library and ISO standards on ICT etc., access have been subscribed. CDAC Library is the life member of Computer Society of India. CDAC, Noida is continuously augmenting the library facilities by adding new books and journals to cater to the requirement of research.

3.5.3 Infrastructure and Computing Facilities

HARDWARE	SOFTWARE	NETWORKING	STAFF
➤ Dell / HP Server	➤ MySAP.COM	➤ CISCO Routers	➤ Dedicated, skilled and experienced Technical Resources
➤ SUN Blade Servers	➤ SAP ECC 6.0	➤ CISCO Switches	
➤ Itanium Server 64 Bit	➤ SCO Unix/Linux AS 4.0	➤ 3-Com Switches	
➤ EMC ² SAN	➤ Windows 2003, XP, 2000,	➤ 20 Mbps Fiber Optical	➤ Highly qualified Manpower
➤ SUN Work Stations	➤ Oracle 10g, Oracle 9i,	➤ Link for Internet	Ph.D/ M.Phil/ M.Tech/ MS MBA/B.Tech./B.E
➤ HP /Dell Work Stations	➤ DB2, SQL Server	➤ Network on 100/1000 Mbps	Academia Linkages
➤ DPS	➤ Dominio Lotus Notes	➤ Ethernet CAT 5e, 6 Cabling	➤ IIT Delhi/Kanpur
➤ CISCO PIX Firewall	➤ Visual Studio	➤ Network Management Center	➤ Guru Gobind Singh
➤ SSL Box	➤ Director, 3D Studio,	➤ Packet Shaper	➤ IP University, Delhi
➤ Wireless Technology Tool Kit	➤ AutoCad Info, ARC View	➤ APG Modems	➤ AICTE, New Delhi
➤ DSP Development Tool Kit	➤ Sun Solaris and Java Tools	➤ Canopy's (Radio Modems)	Industrial Alliances
➤ Testing & Measuring Equipments	➤ Rational Enterprise Suite	➤ Siemens & Reliance system for TSP	➤ IBM, Oracle, Network Programs, Sun, SAP
➤ Printers and Plotters	➤ MAYA, Paramati	➤ Pix Firewall	➤ CISCO, Red Hat, Actel
➤ Scanners	➤ Mentor Graphics tools	➤ IDP	➤ Novell, Monta Vista,
➤ Projection Systems	➤ Xilinx, Cadence	➤ Juniper SSL	
➤ 240 KW UPS, Generator for power backup	➤ Embedded System Design Tools		

3.5.4 Laboratories

CDAC, Noida has established state-of-art laboratories to cater to the research and development needs in the areas of Natural Language Processing (NLP), Machine Translation, Embedded Systems, Geomatics, e-Security for e-commerce/m-commerce, Computer Communication, VLSI Design, Software Engineering, Wireless Communication, Multimedia, ERP, etc.