

The Centre for Development of Advanced Computing (CDAC) is a National initiative of the Government of India, Ministry of Communications & IT, to mobilize human and technical resources in order to attain technological advancement in the ever evolving arena of Information Technology for the benefit of masses. The key sectors addressed by CDAC are Finance, Healthcare, Power, Steel, Defence, Telecom, Agriculture, Industrial Controls, Broadcasting, Education, e-Governance etc.

Since its inception, CDAC has been actively involved in the design, development and deployment of electronics and advanced Information Technology (IT) products and solutions. The technologies that CDAC has dealt with are High Performance Computing (HPC), Natural Language Processing (NLP), Artificial Intelligence (AI), e-Learning Multilingual-Multimedia Computing, Geomatics, Cyber Security, Real Time Systems and Software, Data Warehousing, Data Mining, Digital/Broadband Wireless Networks, Scientific Modeling & Visualization.

CDAC has country wide presence with centres at Pune, Delhi, Mohali, Mumbai, Kolkata, Bangalore, Hyderabad, Chennai, Thiruvananthapuram and **Noida**.

## 2.1 CDAC Noida

CDAC Noida focuses on Research & Development in e-Governance, Health Informatics, Embedded Application Software, Multilingual Computing, Application Software Development and Geomatics. It has successfully rolled out a number of applications for discerning clients in the Government and Corporate Sectors. CDAC, Noida is poised to become an Advanced Research Destination (ARD) benchmarked with international standards, in the areas of LSI/VLSI Design, ASIC/FPGA based Design, Micro Controller/Microprocessor based Systems, Digital Signal Processing & Wireless Applications Protocol.

In its endeavor to integrate Research and Education and to meet the ever growing requirement of the industry for professionally qualified and highly skilled technical manpower, CDAC Noida offers a variety of specialized courses covering crucial domains of the IT industry. These include Software Enterprise Management, VLSI, Embedded System Design, Design and Development of Software Applications, Enterprise Network Management. All these courses are approved by the Technical Education Advisory Committee (TEAC) of CDAC, Noida before they are adopted.

***Vision: To Integrate High-end Research, Development and Education - 'Customer Centric'***

## 2.2 Objectives

- Provide innovative R&D products and solutions.
- Development of human resource, leading to award of Ph.D and Post-Graduate Degrees.
- Facilitate industry to meet the competition arising out of MNCs.