



GITAM

(DEEMED TO BE UNIVERSITY)

(Estd. u/s 3 of the UGC Act, 1956)

VISAKHAPATNAM * HYDERABAD * BENGALURU

NAAC accredited with A+ Grade



CENTER FOR DEVELOPMENT OF
ADVANCED COMPUTING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GITAM INSTITUTE OF TECHNOLOGY

INFORMATION BROCHURE

for

M.Tech Programme in ELECTRONICS DESIGN & TECHNOLOGY

(in Collaboration with CDAC, Hyderabad)

About the Programme

GITAM (Deemed to be University) and C-DAC Hyderabad have jointly launched an M.Tech programme in Electronics Design & Technology. It offers bright and aspiring graduates a unique opportunity for higher education in Electronics Engineering to build a promising career in the field of Electronics. The programme is expected to generate trained manpower in the areas of VLSI Design, Industrial Design, Electronic Packaging, Embedded software including RTOS and Driver Development, FPGA based System Design.

Programme Highlights

- 1st Year Coursework @ GITAM, 2nd Year Project Work @ CDAC
- Syllabus with multi-disciplinary aspects like VLSI, Electronic Packaging, Industrial Design etc. designed and developed by Academicians (IIT/IISc) and Industry Experts
- Expert Faculty and Well Established Infra-structural facilities @ GITAM and CDAC
- Curriculum with extensive hands-on lab experiments in Electronic Project Design from Concept to Implementation
- Students can pursue this programme @GITAM Visakhapatnam or Hyderabad Campus
- **Excellent Placement Support and Assistance from GITAM and CDAC**

Eligibility and Admission Procedure

- B.E./B.Tech/AMIE in ECE / EEE / EIE or its equivalent
- Admission based on All India Online GITAM Admission Test (PG) or GATE Score

Apply Online @ www.gitam.edu

Programme Modules

1st Year Coursework @ GITAM (Visakhapatnam/Hyderabad)	
Core Modules	Elective Modules
Applied Maths for Manufacturing and Design Analysis and Design of Analog Integrated Circuits Advanced Digital System Design EMI/EMC in Electronic Systems Advanced Embedded Systems Design Industrial Design of Electronic Products MEMS and Applications Design for Quality and Reliability	Design of Low Power Circuits Semiconductor Device Modeling and Simulation RF Systems Design IC Manufacturing Advanced Digital Signal Processing Mixed Signal Design Manufacturing Engineering
2 nd Year Project Work @ CDAC, Hyderabad	

About ECE Department (GITAM)

Department of ECE started in the year 1981, became autonomous in 2003 and evolved as a constituent department in GITAM Institute of Technology, GITAM (Deemed to be University) from 2007. Currently the department is offering Four-Year UG Program in ECE, Three M.Tech Programs in the specializations of VLSI Design, RF & Microwave engineering and Digital Systems and Signal Processing and Ph.D program. The department also offers a Certificate Course in VLSI Design. The department has 20 Faculty members with Doctoral (Ph.D) degrees and currently around 150 Ph.D students are pursuing their research in the department. Good number of faculty hail from IITs and NITs. More than 60% faculty have more than 10 years of teaching experience. Three Faculty of the department are pursuing three major research projects with the financial support of Department of Science and Technology, Hindustan Aeronautics Ltd. In the areas of Wireless Networks, MEMS and Satellite Communications. The department has MOU with eminent industries including Ericsson, Texas Instruments, Adept Chip Services Pvt. Ltd., CDAC, Semiconductor Laboratory ISRO (Chandigarh), BSNL and SAMEER (Visakhapatnam). Placement assistance is provided for placing students in CORE/IT companies depending on their requirement.

About C-DAC Hyderabad

Centre for Development of Advanced Computing is a scientific society of the Ministry of Electronics and Information Technology, Government of India. C-DAC established its Hyderabad Centre in the year 1999 to work in Research, Development and Training activities embracing the latest Hardware & Software Technologies. The R & D areas of the centre are Electronic Design and Packaging, e-Security, Embedded Systems, Ubiquitous Computing, e-Learning and ICT for Rural Development. The centre has developed over a period of time a number of products and solutions and has established a number of labs in cutting edge technologies. The centre also offers Post Graduate level diploma courses and organizes faculty training programs. CDAC, Hyderabad is well renowned and highly reputed for its outstanding placement statistics for students of Diploma, Post-Graduate diploma and M.Tech programmes.

For More Details Contact: 0891- 2840230, 9985202163, 9849702033 (HoD)



www.gitam.edu
www.esdmindia.in

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/GITAM Admission Test