

INSTITUTION

GMRIT was established in the year 1997 by GMR Varalakshmi Foundation – the corporate social responsibility arm of GMR Group. GMRIT offers aspiring engineer's high quality technical education. GMR Institute of Technology has come a long way since its inception and has carved a niche for itself in the corporate world. It is currently placed among the top 50 colleges in the country and among the top 5 colleges in the state of Andhra Pradesh. GMRIT provides its learning community state-of-the-art facilities, infrastructure, and a competent faculty. The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real-world experiences. It is this emphasis on a well-rounded education that makes GMRIT a preferred institute among engineering colleges in India. GMRIT being an autonomous institute since 2012, has brought in several best practices in curriculum design, delivery, and assessment to keep up the pace with the dynamic industry requirements. GMRIT offers 8UG & 6PG programs. All B.Tech. Programs are accredited by NBA under Tier-1 complying with Washington Accord and the college is accredited as an 'A' grade institution by NAAC for the three consecutive cycles and certified with ISO 9001-2015. The institute has well established system to implement OBE. In the ranking done by NIRF-MHRD, GMRIT was in the band of 201-300 for the year 2024. Further, GMRIT was declared as the 1st best Clean & Smart campus by AICTE.



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AICTE Training and Learning (ATAL) Academy sponsored Online Faculty Development Program (FDP)

On

VLSI Design Innovations for Defence Applications

DECEMBER 9th -14th, 2024

Organized by

Department of Electronics & Communication
Engineering

GMR INSTITUTE OF TECHNOLOGY

(An Autonomous Institution affiliated to JNTUGV)

Accredited by NBA under TIER-I and NAAC with A Grade

GMR Nagar, Rajam – 532 127

Vizianagaram (Dist.)

Andhra Pradesh, INDIA

www.gmr.it.edu.in



About Department

The department of ECE was established in the year 1999. It focuses on cutting-edge technologies and domain specific applications. It is also offering M.Tech (VLSI & ESD) and facilitates the evolution of skills in holistic development of students to attain higher degree of knowledge and global competency. The department have highly competent faculty with 24 doctorates aiming at educating and training students with sound knowledge and awareness in the fields of electronics and communication. The curriculum framework emphasis on design principles and development of Communication models, Signal Processing, Image processing, Embedded Systems and VLSI. The faculty members are having many research papers in peer reviewed reputed national and international journals and conferences to their credit. The department has research projects funded by DST, MODROBS and AICTE etc. Further, the department has state-of-the art research equipment like Cadence, LabVIEW and MATLAB. It was accredited by NBA under Tier-I for 3 years and is recognized as research center by JNTUGV.

Vision of ATAL Academy

To empower faculty to achieve goals of Higher Education such as access, equity and quality.

Delivery

Online Mode

Objectives of AICTE-ATAL

Academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

Objectives of FDP

- To familiarize the participants to emphasize the importance of VLSI in defence applications
- To enable the participants to focus on energy efficiency and system reliability in VLSI
- To familiarize the participants with the low power and high speed VLSI design for real time data processing in defence applications
- To update about the current research trends in AI enabled VLSI chips for autonomous defence systems
- To enable the participants to solve the industry-based problems related to sensor applications.

Contact Person

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Targeted Participants

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host Institution.

- Last date for registration: **05.12.24**

Registration

- All the participants should register in the AICTE portal using the following link
<https://atalacademy.aicte.india.org/signup>
- After initial registration in the portal, the participant should login into the website using his/her credentials
- In the participant login under the FDP tab, the participant should search the FDP using the title of the programme
- The participant after applying in their login, can check the status under the Applied FDPs tab
- There is **no registration fee** for attending the FDP.

Eligibility for Certificate

- The certificates will be issued by ATAL academy to those participants who have attended the program with minimum 80% attendance, earn a minimum of 70% in the assessment and submit a feedback on the ATAL portal.