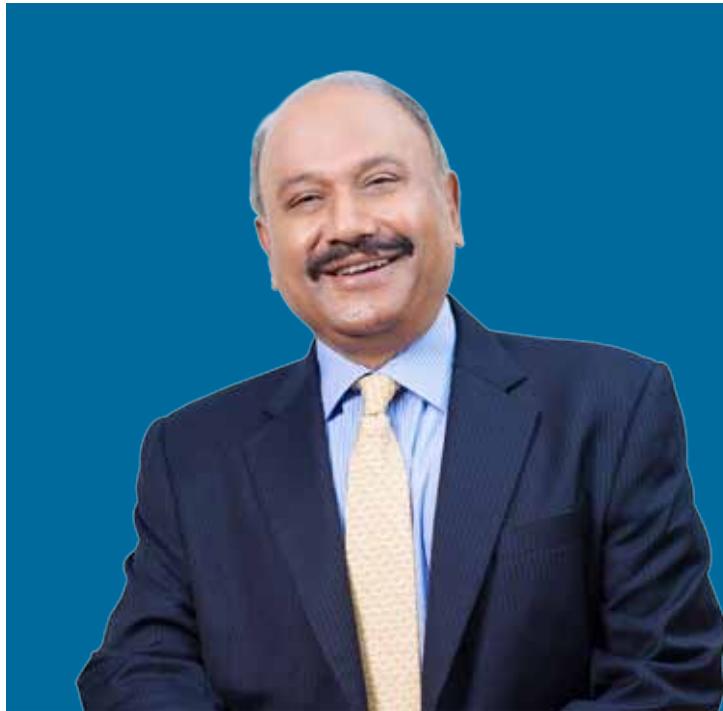


GMR Institute of Technology
An Autonomous Institute Affiliated to JNTUK, Kakinada



Destination
For Your **FUTURE**





GMR Group Chairman's Message

If you are reading this message, you are probably interested in GMR Institute of Technology. So thank you! I am sure the Institute will not disappoint you, whatever your interest is in.

As you may be aware, GMR Varalakshmi Foundation is the Corporate Social Responsibility arm of GMR Group which is committed to community service in the fields of Education, Health and Livelihood. The Foundation established GMR Institute of Technology (GMRIT) in 1997, to bring superior technical education to the doorsteps of the rural youth in the North Coastal Districts of Andhra Pradesh. Today, GMRIT has grown exponentially and has found a place not only among the best technical institutions in the state of Andhra Pradesh but in the country at large.

At GMRIT, students are offered high quality technical education, industry exposure and internationally-benchmarked pedagogy. Our constant endeavor is to instill among our students high social values, and to improve the functioning of the college in every respect. Standing for highest standards of excellence, GMRIT has in place state-of-the-art infrastructure and a committed team of faculty functioning from an idyllic campus, situated far from the distractions of city life, thus offering an ideal learning environment.

Rapid globalization and fast changes in technology necessitate leadership with a Vision. At GMRIT, students are trained to face real-world challenges and to seize every opportunity. In realizing its Vision, GMRIT is committed to inculcate in its graduates, values of self-confidence, integrity and entrepreneurship so as to bring out the best in them and help them excel in their chosen careers. As an Entrepreneur, I also see the need for increasing industry-academia collaboration to ensure that the students remain constantly connected to the real world. In this regard, GMR Group supports GMRIT through various internships, development of industry-relevant courses etc. I am confident that the future employers will find GMRIT graduates most valued assets in times to come.

I strongly believe that in time, GMRIT-ians will be significant participants in the task of nation building and that GMRIT itself will develop into a national asset.

G M Rao
Chairman, GMR Group



A Word from the CEO, GMR Varalakshmi Foundation



GMRIT, promoted by GMR Varalakshmi Foundation (GMRVF) in 1997, is finding its place slowly but steadily as an institution of excellence in the country. The Foundation focuses on Education, Health, Livelihoods and Community Development, and GMRIT is its flagship institution in the higher educational space.

The Institute is located in an idyllic setting in Rajam of Srikakulam district, and provides an excellent environment for academic pursuits, where the quest for knowledge is integrated with social, ethical and environmental aspects of human values and engineering practices.

GMRIT makes a constant endeavor to making engineering a way of life, with a distinct set of skills, and integrate analytical skills with innovative thinking. We

also try to enhance the effectiveness of learning through technology-aided pedagogies. Our improved learning processes, we genuinely believe, will help our students realize their full potential and help them grow.

GMRIT is a relatively young institution and we are aware that we have a long way to go before we can count ourselves among the best in the world. But we have the resolve to get there and the journey has already begun.

We invite our 'well-wishers community' to visit our campus and its facilities, and meet our students who are the leaders and pioneers of tomorrow. We are confident that you will find the experience worth your while.

Dr. V. Raghunathan

Chairman, Governing Council, GMRIT

KEY FUNCTIONARIES

Dr. V Raghunathan

Dr. V. Raghunathan, with a Doctorate in Finance from IIM Calcutta, is the CEO of GMR Varalakshmi Foundation. He was Professor – Finance & Accounting at IIM, Ahmedabad for nearly two decades (1982–2001). He is also former President of ING Vysya Bank (2001–2004). He is an Adjunct Professor at the University of Bocconi, Milan and Schulich School of Business, York University, Toronto, and a well-known author and a columnist of longstanding. He has authored 12 books and over 500 academic papers

and popular articles. He has been and is, on the boards of many Indian and International companies, Banks, Stock exchanges, Merchant banks, Hospitals and eminent Academic institutions. He has guided and examined several Doctoral and Post-doctoral dissertations. He has been the key figure in brining Schulich School of Business of York University, Toronto, to India, which operates in Hyderabad.

Dr. C L V R S V Prasad

Dr. C L V R S V Prasad, Principal, GMRIT, is a Doctorate from Andhra University with 26 years of experience in teaching, research, and academic administration. He graduated with B. Tech in Mechanical Engineering from Nagarjuna University, A.P., and M. Tech in Mechanical Engineering with a specialization in Design and Production Machine tools, from REC (now NIT) Warangal. He steered GMRIT towards obtaining accreditation from the National Board of Accreditation for all the Undergraduate courses, and accreditation with 'A' grade from National Assessment and

Accreditation Council (NAAC). He has been instrumental in implementing technology-enabled teaching and learning initiatives, as well some of the Institute's International collaborations. He has published in several National and International Journals and Conferences. He is a Fellow of Institution of Engineers, India, Life member of Indian Society for Technical Education (ISTE), member of American Society for Mechanical Engineers (ASME) and a member of Institute of Electrical and Electronics Engineers (IEEE).

Dr. J. Raja Murugadoss

Dr. J. Raja Murugadoss, Vice Principal, GMRIT, is a PhD in Civil Engineering from Anna University, Chennai, with 15 years of experience in teaching and academic administration, with a strong vision for shaping the students with employability skills to help them face the highly dynamic and complex employment market.

for programme accreditation or mock accreditation. He has also delivered many lectures on quantification of learning outcomes in various institutions. He has published extensively in National and International Journals and Conferences, mostly in the field of Structural Optimization and guided doctoral dissertations.

As a programme evaluator of National Board of Accreditation (NBA), New Delhi, he has visited several NITs and self-financial colleges in Tamil Nadu and Kerala

He is a life member of Indian Society for Technical Education (ISTE) and Associate Member of American Society of Civil Engineering (ASCE).



MEMBERS OF GMRIT GOVERNING COUNCIL

MANAGEMENT NOMINEES

Dr. V. Raghunathan, Chairman
Former Professor, IIM Ahmedabad
Former President, ING Vysya Bank Limited, Bangalore
CEO, GMR Varalakshmi Foundation

Dr. CLVRSV Prasad, Alternate Chairman
Principal, GMR Institute of Technology, Rajam

Dr. Prakash Apte
Professor and Former Director, IIM Bangalore

Mr. T.S. Krishnamurthy
Former Chief Election Commissioner, Govt. of India

Dr. Rajib Mall
Professor, CSE, IIT Kharagpur

Dr. R. Natarajan
Former Chairman, AICTE
Former Director, IIT Madras

Dr. D. R. Prasad Raju
Former Scientist G-Advisor,
Department of Science and Technology

Mr. Manish Sabharwal
Chairman, Team Lease, Bangalore

Dr. B. Satyanarayana
Former Vice Chancellor, Andhra University, Vizag

Prof. M.R. Rao
Dean Emeritus, Indian School of Business, Hyderabad

Mr. Chandar Sundaram
Chandars Consultant, NSR Center for
Entrepreneurial Learning, IIM Bangalore

UGC NOMINEE

Prof. R.P. Dahiya
Deenbandhu Chhotu Ram University of Science and
Technology, Murthal (Sonapat), Haryana.

AICTE NOMINEE

Shri. M. Sundaresan
Regional Officer, AICTE, South Central Regional Office,
Hyderabad

UNIVERSITY NOMINEE

Dr. V. Ravindra
Director, Infrastructure Development & Chief Engineer,
JNTU Kakinada.

GOVERNMENT NOMINEE

Mrs. K. Sandhya Rani
Regional Joint Director, AU Region, RJD Office

MEMBER – SECRETARY

Dr. J. Raja Murugadoss
Vice Principal, GMR Institute of Technology, Rajam

FACULTY REPRESENTATIVES

Dr. V. Rambabu
Professor and Controller of Examination

Mr. M. Venkateswara Rao
Associate Professor & HOD, PE



ABOUT THE INSTITUTE



Established in 1997, 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 75 and aims to be counted among the top 20 Technical Institutions in the Country by 2018-19. Located about 100 km from Vishakhapatnam, GMRIT is a beautiful campus spread over 155 acres in Rajam.

As the flagship Institute of GMR Varalakshmi Foundation, GMRIT has set high standards for itself and offers an idyllic and conducive environment for higher studies. It is affiliated to Jawaharlal Nehru Technological University, Kakinada. The institute became Autonomous in 2012-13.

The student community at GMRIT is offered a broad spectrum of technical courses in tune with industry requirements. The Institute has been providing a technology enabled teaching-learning environment (Wi-Fi) since 2005. All courses offered on-campus are available on Local Area Network (LAN) supplementing the classroom teaching.

GMRIT emphasizes collaborative learning between industry and academia as a means of reinforcing its curriculum with practical experience relevant to industry needs. The Institute constantly strives for improvement, competing with the premier institutions of national importance.



OUR VISION

To be among the most preferred institutions for Engineering and Technological Education in the Country. An Institution that will bring out the best from its students, faculty and staff – to learn, to achieve, to compete and to grow – among the very best.

An institution where ethics, excellence and excitement will be the work religion, while research, innovation and impact, the work culture.



OUR MISSION

- To turnout disciplined and competent engineers with sound work and life ethics
- To implement outcome-based education in an IT-enabled environment
- To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff
- To develop teaching, research and consulting environment in collaboration with industry and other institutions



GMRIT HIGHLIGHTS

Accreditations

- Accredited by National Accreditation and Assessment Council (NAAC) of University Grants Commission(UGC), New Delhi with 'A' Grade
- Accredited by National Board of Accreditation (NBA)
- Conferred with Autonomous status by UGC –2012–17
- Registered under section 2(f) and 12(b) of UGC
- International Organization for Standardization (ISO) 9001:2008 certified.
- Department of Technical Education, AP state govt. graded all the engineering colleges in the state and GMRIT is listed under "A" grade.
- Accredited by L&T and TCS for campus recruitment.

Ranking

- Ranked 26th among Top Engineering colleges of Excellence in the country and ranked 4th among the top 15 colleges in AP by CSR GHRDC – July 2015
- Graded AAA+ by Career 360 magazine, May 2015
- Ranked 60th among the top 100 T schools in the country by Data Quest, May 2015
- Ranked 62nd among the top 100 T schools in the country by Data quest April 2014
- Graded AAA+ by Careers 360 magazine – May 2014
- Listed among the top 10 promising institutions in AP by Digital Learning Magazine, June, 2014.
- Ranked 71st in INDIA and 50th among Private Engineering colleges in South Zone – The Week, June, 2015.
- Ranked 27th among Top Engineering colleges of Excellence in the country and 12th among the top 15 colleges in AP by CSR Magazine – July 2014
- Ranked 64th among top 75 colleges in the country by Outlook July 2014
- Ranked 102nd in All India "EDU TECH RAND" magazine in September, 2014

Endorsements

- Received an award "Outstanding Engineering Institute South" from Vijayavani National Education Leadership Awards on 12th September 2015 at Bangalore

- Received an award "Student Excellence among Pvt. Institutes in South" from Dataquest TSchool Award on 23rd September 2015 at New Delhi.
- Received an award "Best college in Engineering from the State of Andhra Pradesh-2015" from VIT University, Vellore recognizing the contribution to higher studies in India.

MOUs for Industrial Collaboration

- With IC-IMPACTS (India-Canada Centre for Innovative Multidisciplinary Partnerships to Accelerate Community Transformation and Sustainability) in sustainable infrastructure, construction design and waste water reclamation.
- With Reddy's lab for academic consultancy.
- With GMR Aviation Academy for offering certificate programs.
- With GMR Energy Development Centre, Rajahmundry for offering certificate programs.
- With Microsoft for the Microsoft Ed-Vantage platinum level programme for enhancing employability opportunities.
- With Microsoft for setting up the Cloud Competency Centre (CCC) to train staff and students.
- With NASSCOM and Andhra Pradesh State Skill Development Corporation for enhancing the employability skills.
- With Govt. of AP to participate in the Startup -Village Boot Camp to instill the entrepreneurial skills.
- With Infosys Campus Connect Program for enhancing the technical competencies in IT space.
- With Wipro-Mission 10X Program for faculty enablement and training.
- With IBM for setting up Centre of Excellence.
- With Oracle University for Workforce Development.
- With Microsoft IT academy for academic initiatives.
- With National Institute of Amateur Radio (NIAR) for setting up Amateur FM Radio Client Station to train the students.



LIFE @ GMRIT

A land of soothing green natural beauty and peaceful atmosphere belies the range and intensity of the activities which are always underway and contribute to the quality of the academic life, making it a superior learning environment.

GMRIT nurtures...

Campus life is what lifetime memories are made of. The student's life on campus is a transition from adolescence to adulthood. The campus provides a supporting environment to smoothen this transition and is blessed with a serene atmosphere to help kindle the spirit of enquiry and sustain it.





An air-conditioned auditorium with screening facility provides the community an avenue to entertain large gatherings. The same venue also offers Video Conferencing facility for the students to listen to high-profile speakers from other locations.



With primary focus on academics, GMRIT emphasizes on all co-curricular and extra-curricular activities, including professional societies, literary and cultural clubs, technical clubs, sports and NSS, to bring holistic development to the student's life. Seminars, Workshops and Competitions keep students engaged and help to hone their professional skills. A close-knit campus community ensures memories for a lifetime, with lifelong friendships and unforgettable associations.

The campus offers to the residents, students and faculty, all the facilities which one can expect in an ideal place of learning – well-quipped classroom, Laboratories, rich Library, hygienic Canteen, Gymnasium, Bank, Shopping Outlet, high security and 24x7 surveillance along with Emergency Services.



ACADEMICS @ GMRIT

All the programmes at GMRIT are rigorous and intense. They lay a strong foundation of engineering concepts. They strike a healthy balance between theory and practice by stressing the understanding of fundamental concepts and by providing exposure to industrial applications. Competent and committed faculty members, well-planned Curriculum design and delivery based on Outcome based Education (OBE), state-of-the-art laboratories take care of the former, while internships and industry sponsored projects contribute to the latter.

Technical courses offered at the Institute cover all the core and non-core branches. IT-enabled teaching environment and customized teaching aids facilitates dynamic, interactive and learner-centric practices. Group Discussions, Seminars and On-Field Assignments are being implemented to deliver domain knowledge.

Development of communication skills is given top priority through continuous training programs on language skills apart from regular language courses. Keeping in mind

the overall personality development of the students and to make them industry-ready, soft Skill training programs are organized by in-house experts and external trainers.

Students at the Institute experience an educational environment that takes them beyond classroom learning. GMRIT prepares its graduates for life, not only as professional Engineers but also as responsible members of society.





At GMRIT, UG and PG students undergo a full semester credited internship programme during their study. All undergraduate students at GMRIT undergo seven-month credited internship programme during their programme of study, which comprises of one month internship at the end of the second year and six months internship programme during the final year in either of the semesters. Undergoing one full semester internship programme is a unique advantage of a GMRITian. This programme helps the students in improving employability skills and makes them industry ready. Post-graduate students undergo eight weeks internship programme at the end of the first year.

Companies where our students have undergone internship programme include:

CITD (Central Institute of Tools Design)	Transstroy	L & T
RHI Clasil Ltd	Visakha Port Trust.	NTPC
Dept. of Roads & Buildings, AP	Blaze Automation	GVR Infra
Visakha Steel Plant	Indian Railways	Eisai
Hindustan Shipyard Ltd.	Efftronics	BSCPL
NG6 Software Tech	RHI Clasil Ltd	DLRL
Schneider Electric	GMR Energy	DRDO
Radix Micro Systems Ltd	Ramky Enviro	NSTL
Coromandel international	Visakha Port Trust.	
GMR Infrastructure	GMR Airports	

Undergraduate Programs

The Institute offers 4-year Bachelor of Technology (B. Tech) program in eight disciplines, viz.

- Chemical Engineering
- Civil Engineering
- Computer Science Engineering

- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Information Technology
- Mechanical Engineering
- Power Engineering

Add-on Courses

Most Departments offer courses over and above the basic requirements of the curriculum to meet requirements of the industry and to make graduates more industry-ready. By opting for these courses, the students become more ready to work in the respective sectors.

Postgraduate Programs

The Institute offers Postgraduate (M. Tech) Programs in the following areas:

- Transportation Engineering from Civil Engineering Department
- Computer Science & Engineering from CSE Department
- Power & Industrial Drives from Electrical & Electronics Engineering Department
- Digital Electronics & Communication Systems from Electronics & Communication Engineering Department
- Very Large Scale Integration (VLSI) & Embedded Systems Design from Electronics & Communication Engineering Department
- Environmental Engineering from Chemical Engineering Department
- Thermal Engineering from Mechanical Engineering Department





CHEMICAL ENGINEERING DEPARTMENT (Established 1997)

The Department offers programs at both Undergraduate (B. Tech in Chemical Engineering) and Postgraduate (M. Tech in Environmental Engineering) levels. At Undergraduate level, the Department trains the students to apply the fundamentals to the synthesis and analysis of processes in both traditional chemical engineering industries as well as emerging areas such as petroleum and petrochemicals, Environmental Engineering, etc. The course offers a comprehensive insight into the intricate details of chemical processes, while educating students about management techniques that optimize the usage of resources to enhance operational efficiencies. Latest teaching methods are used to emphasize important Chemical Engineering principles/ applications.

The M. Tech in Environmental Engineering aims to educate students on engineering aspects of achieving sustainable development. Environmental Engineering is identified as one of the most important areas (Energy, Environment, Food Security) of development across the globe. This

course, which has a huge potential, comprises topics such as Pollution Prevention and Control, Industrial Ecology, Green Engineering, Environmental impact assessment, etc.

Facilities and Infrastructure

The Department has the following state-of-the-art laboratories:





- Momentum Transfer Laboratory
- Processes Dynamics and Control Laboratory
- Mechanical Unit Operations Laboratory
- Mass Transfer Operations Laboratory
- Chemical Reaction Engineering Laboratory
- Heat Transfer Laboratory
- Simulation Laboratory
- Advanced Environmental Engineering Laboratory

Add-on Courses

The Department conducts a specialized certificate course on “Wastewater Treatment Systems” in collaboration with GMR Hyderabad International Airport Ltd. (GHIAL), Hyderabad.

Achievements of Students

- Two papers were judged as the first and the second best Papers in Chemosphere-2KX, a National level symposium conducted at SVU, Tirupati, 2010.
- Bagged the second prize in SCHEMCON 2010, a National level conference conducted at Guntur, 2010.



- Three students were recognized as best Achievers in Academics of JNTUK-2012.
- Bagged the first prize in CHEMCON 2013, an International conference conducted at Mumbai, 2013.
- Bagged the first prize in Chem Flair, a National level student conference conducted at NIT, Warangal, 2015.
- Bagged the second prize in Reflux2015, a National level conference conducted at IIT Guwahati, 2015.
- Bagged the second prize in Chemosphere 2K15, a National symposium conducted at S V University, Tirupathi, 2015.
- Received gold medals at University level in the academic years 2004, 2008 & 2015.

Highlights of the Department

- Industrial visits to major chemical engineering units and companies
- Equipped with latest simulation software, including ASPEN, GAMS etc.
- About 177 International and National Research papers published in various Journals/Conferences by the faculty in the last five years.
- Received grants worth of 45 lakhs from AICTE/APPCB under MODROBS/SDP schemes





CIVIL ENGINEERING DEPARTMENT (Established 2002)

The Department offers programs at both Undergraduate (B. Tech in Civil Engineering) and Postgraduate (M. Tech course in Transportation Engineering) levels. It offers students a solid foundation for better utilization of resources and greater standardization of construction processes required by the construction industry. Students are taught how to use and employ innovative design methods and techniques. Exposure to various contemporary facets of planning, construction design and project management are key aspects of the course. Students gain practical experience from field visits to industries, dams and irrigation structures, construction sites, etc. The Institute offers a wide range of electives in various fields of specialization besides the regular core subjects.

The Postgraduate Program has flexibility in designing both course work and research activities addressing a wide range of interests of the students. A personalized approach of mentoring ensures that the students have a clear understanding of the technical and social elements

of Transportation Engineering and they are well prepared to pursue academic, research and consulting careers.

Facilities and Infrastructure

The Department has the following state-of-the-art laboratories:

- Engineering Geology Laboratory
- Environment Engineering Laboratory
- Advanced Survey Laboratory
- Geo Technical Engineering Laboratory
- Concrete and Structural Engineering Laboratory
- Remote Sensing and GIS Laboratory
- Highway Engineering Laboratory
- Computer Aided Analysis and Design Laboratory
- Basic Materials Testing Laboratory
- Fluid Mechanics and Hydraulic Machinery Laboratory

Application Software used

The application and system software used in this Department are:

- Visual MOD Flow
- Struds
- ArcviewGIS10
- Map Info9
- AutoCAD2010
- GPS device
- Vertical Mapper
- Expert GPS
- IPI2Win S/w
- TouratechQV4

Add-on Courses

The Department offers Add-on Courses in Water Pumping Systems at Airport. This course is conducted with active involvement of GMR Hyderabad International Airport.

Achievements of Students in academics and beyond

- Bagged the First and third prize in WESSINAIRE -2K15, a National level conference conducted at IIT Bhubaneswar, Jan 2015.
- Bagged the First and third prize Essay Writing competition organized by CEO (AP&T) at Srikakulam, Jan 2015.

- Secured the first prize in Township Planning, conducted at Vijayawada, Jan. 2010
- Bagged the first prize in NLSTS Creatorz-10 Mind Winders, at Visakhapatnam Jan. 2010.
- Sujana Gold Medal for Academic Excellence in Engineering Institutions by Sujana Foundation, 2011.

Highlights of the Department

- Research project worth of Rs.18.6 Lakhs sponsored by DST entitled “Modeling of saltwater intrusion for an effective management of coastal aquifers” was completed in 2013.
- Currently research project worth of Rs.21.5 Lakhs sponsored by DST entitled “Ground Water Modeling for Hydro geological characterization of hazardous substance release sites” is going on.
- Currently research project worth of Rs.37.17 Lakhs sponsored by BRNS entitled “Hydro geological characterization and Ground Water Modeling in Kovvada region” is going on.
- Actively involved in providing consultancy to reputed organizations of the region.
- About 66 International and National Research papers published in various Journals/Conferences by the faculty in the last five years.
- Received grants worth of ₹ 28.2 lakhs from AICTE under MODROBS/SDP schemes.





COMPUTER SCIENCE & ENGINEERING DEPARTMENT (Established 1997)

The Department offers programs at both Undergraduate (B. Tech course in Computer Science and Engineering) and Postgraduate (M. Tech course in Computer Science Engineering) levels. Computer Science and Engineering is a broad and flexible degree program with the curriculum specifically designed to reflect the depth and breadth of Computer Science Engineering. The curriculum exposes students to a broad range of subjects involving advanced software technology and its application in industry. On the educational front, the curriculum is designed with a motive of preparing students to become industrial and academic leaders. The curriculum relies heavily on industry-academia interaction and responds to the current needs and trends in the global software industry.

At Postgraduate level, since 2009 the Department offers M. Tech course in Computer Science and Engineering. The curriculum of this program closely tracks the technological developments and industry needs. Qualified faculty, as well as experts from reputed institutions and industries conduct the program. It emphasizes on development

of strong learning skills and imparts knowledge in key subject areas relevant to current scenario in the field of Computer Science and Engineering. The Program



focuses on practical implementation of ideas by means of research oriented projects.

Facilities and Infrastructure

The Department has the following state-of-the-art laboratories:

- Programming Lab
- Computer Applications Lab
- Networks Lab
- IT Workshop Lab
- Central Computing Lab
- Project Lab
- Over 390 high-configured branded (IBM, HP, Dell and Wipro) systems and 6 Intel Xeon dual processor servers.
- 100 MBPS Bandwidth Internet connectivity from BSNL leased line, TTSL, Tata Communications

Application Software Used

The application and system software used in the Department include:

- IBM – Rational Rose
- J2EE
- Web Sense Software
- Oracle Workgroup Server 8.0.3
- Oracle 10g Standard Server
- MS Windows NT4 Server (15)+client License(35)
- SCO UNIX Enterprise 5.04 (10+5)
- AIX UNIX Server



- 3D- Specialization Software (MODROBS) (Maya-2010, Toonboom Storyboard, Adobe- CS4)
- Microsoft Software Development Tools through Microsoft Campus Connect

Add-on Courses

The Department conducts specialized certificate course on NET, Mobile Application Development, and IBM's Rational Application Developer

Achievements of Students

- Sujana Gold medal for academic excellence in Engineering Institutions by Sujana Foundation, 2011
- Bagged the first prize in "LAN GAMING", the 28th CSI National Student Convention, September 2011
- Received the third prize, "Paper presentation", the 28th National Student Convention (Computer Society of India- CSI), September 2011
- Stood as Runners-up in Tata Crucible Campus Quiz 2014.

Highlights of the Department

- The CSI Branch was selected as the Best Student Branch in the Region - V (Andhra Pradesh and Karnataka State Level) for the Year 2010 - 2011
- CSI-GMRIT student branch was selected as the Best Student-Branch of Visakhapatnam Chapter for five consecutive years from 2009 onwards.
- Signed MOUs with industries such as Infosys, Microsoft (IT Academy, Ed-Vantage programme at Platinum Level), Oracle WDP, Wipro and IBM.
- About 161 International and National Research papers were published in various Journals/Conferences by the faculty in the last five years.
- Received grants worth of 11 lakhs from AICTE /DST under MODROBS/SDP/FDP/SERB schemes.
- Faculty received the appreciation award from INFOSYS, 2014
- Faculty received TGMC Mentor Award from IBM,2014

Corporate Training Programs

The Department conducts the following corporate training programs in collaboration with industries:

- DB2, RAD and TDS in collaboration with IBM
- Oracle 10g: SQL fundamentals in collaboration with Oracle



ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

(Established 1999)

The Department offers programs at both Undergraduate (B. Tech) and Postgraduate (M. Tech) levels. It provides students with a solid scientific/technical knowledge to improve their research capabilities. The Department integrates academic discipline with project based engineering applications with real world experience on household Electronic Appliances, Satellite Communications, Real Time Applications, Signal processing, Hardware Designs, Telecommunications etc.

At Post Graduation level, the Department offers M. Tech courses in Digital Electronics and Communication (DECS) since 2009, and VLSI Design and Embedded System (VLSI and ES) since 2011. The DECS course gives an overview of different Digital Communication Techniques and the usage of hardware languages in design and implementation. The course also covers wide range of computer-based tools that assist Engineers in their design activities. It involves both software and special-purpose hardware. The curriculum of this course is in pace with the needs of present technological developments and industry requirements.

The VLSI and ES course is designed to impart knowledge on advanced topics in VLSI and Embedded System development. It gives an overview of ASIC (Application Specific Integrated Circuit) and Embedded System Development related issues and the usage of hardware languages in design and implementation. The course covers a wide range of EDA tools like Xilinx 13.2, MATLAB with various toolboxes, Mentor Graphics with both front end and back end tools by using of which students can implement VLSI design projects up to the layout level. The KEIL software enables the students to undertake the embedded system designing projects on 8051 and ARM microcontroller kits etc. Hands on exposure on these tools assist Engineers in their design activities.

Facilities and Infrastructure

The Department has established the following state-of-the-art laboratories:

- Analog and Digital Communication Laboratory
- Integrated Circuit and Pulse Digital Circuits Laboratory



- Electronic Device Circuits Laboratory
- Microwave and Optical Communication Laboratory
- Microprocessor and Micro Controller Laboratory
- Electronic Computer aided Design (E-CAD) Laboratory
- Digital signal Processing (DSP) Laboratory
- Projects lab

Application software used

The application and system software used in the Department include:

- ALTERA Web edition
- Xilinx 10.1, 13.2 VHDL/VERILOG
- ALDEC-active HDL
- MULTISIM
- CC studio-3.0
- MATLAB 7.5
- XILINX system additional tool 13.2 version
- Mentor Graphics – Front end and Back end tools

Add-on Courses

The Department conducts specialized certificate courses on HAM Radio License, Embedded Systems, MATLAB and VLSI design

Achievements of Students

- Sujana Gold medal for academic excellence in Engineering Institutions by Sujana Foundation, 2011

- Innovative Project Award as a part of Ugadi celebrations at Srikakulam, March 2012
- Ms. B. Sandhya, an alumnus cleared Public Service Examination – 2012
- Honeywell has considered contribution of alumnus Mr. Ajay Talatam for patenting in US for the project titled “Electronic Component Functionality Identification using Component developments Nodal Algorithms” in May 2013.
- Project titled “Humon” bagged 2nd Prize worth of ₹ 1.0 Lakh in the International Exhibition (ELECAMA-2014) organized by IEEMA at Bangalore.
- Bagged the First position in Electronic Camps and the Second position in Walle-E as a part of ELAN-2014 organized by IIT Hyderabad

Highlights of the Department

- Advanced Amateur (HAM) Radio station has been established in the Department by National Institute of Amateur Radio (NIAR), Department of IT, Government of India.
- The Department has received the grant for Microwave Laboratory under MODROBS.
- About 212 International and National Research papers were published in various Journals/Conferences by the faculty in the last five years.





ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT

(Established 1997)

The Department offers programs at both Undergraduate (B. Tech course in Electrical and Electronics Engineering) and Postgraduate (M. Tech course in Power and Industrial Drives) levels. It provides a strong mathematical and scientific foundation in Electrical and Electronics Engineering fundamentals. The course also addresses and develops abilities in the application of design processes to develop innovative Engineering solutions. The EEE Department at GMRIT prepares the students for using new-age information and computer-intensive technologies. The curriculum has been designed to create professional Electrical and Electronic Engineers, who can serve in the fields of core Electrical Engineering, Information and Communication systems and other related fields.

At Postgraduate level, the Department has been offering M. Tech course in Power and Industrial Drives since 2007. The course focuses mainly on imparting theoretical and practical knowledge in the field of Power Electronics and its applications to electrical machines, drives, industrial equipment and power systems. Special Emphasis





on design, modeling and analysis of conventional and advanced electrical machines are given in this programme.

Facilities and Infrastructure

The Department has the following state-of-the-art laboratories:

- Electrical Machines Laboratory
- Electrical Networks Laboratory
- Electrical Measurements Laboratory
- Power Electronics Laboratory
- Control Systems Laboratory
- Simulation of Electrical Systems Lab with MULTISIM and MATLAB Software
- Power Electronics and Drives Lab
- Power-Systems Laboratory

Application Software used

Application and system software used in the Department include:

- MULTISIM (PSICE simulation)
- MATLAB –7.04 and 13
- PSCAD-4.2.1 (MANITOBA-HVDC RESEARCH CENTRE)
- PSICE – 16.0
- PSIM-8.0
- Wonder Ware software (SCADA)
- LAB VIEW Software

Add-on Courses

The Department offers Add-on courses on simulator training with power plant familiarization with GMR EDC, Rajahmundry.

Achievements of Students

- Mr. K. Shiva Kumar Naidu, an alumnus cleared IAS-2011 examination.

Highlights of the Department

- Provides consultancy services to GMRVF in Electrical design, planning in Low tension systems.
- Department is recognized as a Research Centre by JNTUK, Kakinada.
- Initiated the Centre for Smart Grid and Renewable Energy (CSRE).
- Department has a Center Of Excellence (CoE) in “dSPACE”.
- About 145 International and National Research papers published in various Journals/Conferences by the faculty in the last five years.
- Received grants worth of Rs. 19.66 lakhs from AICTE / DST under MODROBS/FDP schemes.





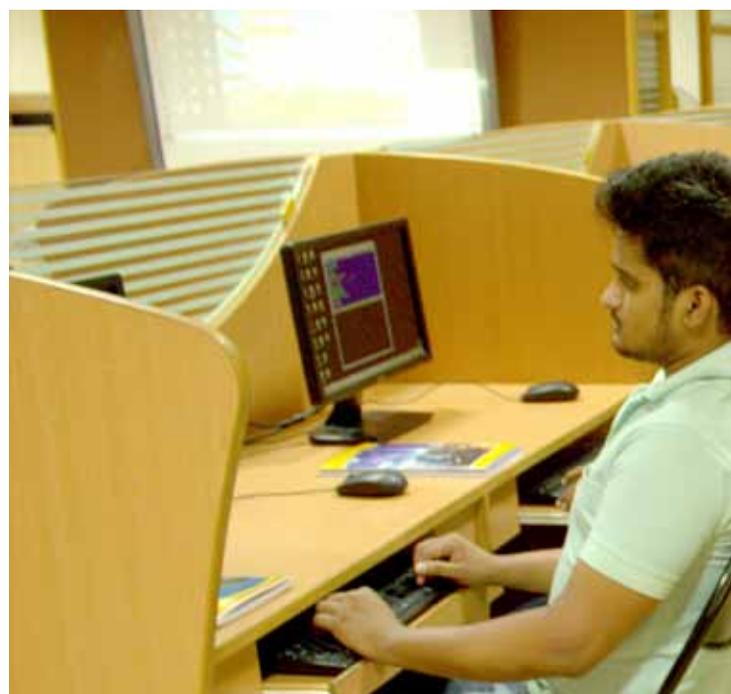
INFORMATION TECHNOLOGY DEPARTMENT (Established 1999)

The Department of Information Technology offers program at Undergraduate (B. Tech) level. It covers the technical attributes of IT, its multiple uses and the appropriate management of IT resources. The course focuses on the application of IT in a variety of information and administrative systems. The program is designed to help the graduate develop a practical understanding of the technology. The IT Department aims to meet the challenges of the global IT industry.

Facilities and Infrastructure

The Department has the following state-of-the-art laboratories:

- Interactive Lab
- UNIX Lab
- Windows NT Lab
- Over 200 high configuration branded (IBM, HP, Dell and Wipro) systems and five Intel Xeon dual processor servers.





Application Softwares Used

Application and system software used in the Department include:

- IBM – Rational Rose
- J2EE
- Borland J Builder Enterprise Edition 4.0
- Web Sense Software
- Oracle Workgroup Server 8.0.3
- Oracle 8i Standard Server
- MS Windows NT4 Server (15) +client License (35)
- SCO Unix Enterprise 5.04 (10+5)
- AIX UNIX Server
- Multi-media Application Development Software (Adobe CS 5)
- Visual Studio .NET
- SPSS Modeler Client Tool (Clementine tool)
- Hi-Class Interactive Software
- Aneka software for Cloud Computing

Add-on Courses

The Department conducts specialized Add-on certificate course on .NET in collaboration with CSE Department.

Achievements of Students

- Bagged the First and Second Prize in a National level Conference organized at ANITS, Visakhapatnam, Jan 2012.
- Bagged the Second Prize in a National level Conference organized at GVP, Visakhapatnam, Feb. 2015.

Highlights of the Department

- Received Best Performance Award for CSI Chapter from CSI Visakhapatnam for the Academic Year 2010-11
- Signed MOUs with industries such as Infosys, Microsoft (IT Academy, Ed-Vantage at Platinum Level), Oracle WDP, Wipro and IBM for academic initiatives
- About 98 International and National Research papers published in various Journals/Conferences by the faculty in the last five years.
- Received grants worth of 6.6 lakhs from AICTE under MODROBS/FDP schemes.
- Three faculty received appreciation awards from INFOSYS, 2014

Corporate Training Program

The Department conducts the following training programs in collaboration with industries:

- DB2, RAD and TDS in collaboration with IBM
- Oracle 10g: SQL fundamentals in collaboration with Oracle





MECHANICAL ENGINEERING DEPARTMENT (Established 1997)

The Department offers programs at both Undergraduate (B. Tech course in Mechanical Engineering) and Postgraduate (M. Tech course in Thermal Engineering) levels. The Mechanical Engineering Department works closely in association with industry to give its students a combination of real world exposure with solid academic foundation. The department trains the students in Thermal and Fluid Engineering by using experimental test rigs through the courses designed specifically for the purpose. Design-related aspects of the course are taught through models and computer-based packages. Manufacturing and industrial Engineering concepts are imparted through regular courses and project work. The programs are student-centric and designed to add significant value to the learners' understanding and give the students an opportunity to apply the skills to real world problems.

Facilities and Infrastructure

The Department has the following state-of-the art laboratories:

- Work Shop/Production Technology Laboratory
- Machine Tools Laboratory
- Thermal Engineering Laboratory
- Heat Transfer Laboratory
- Strength of Materials Laboratory
- Fuels Laboratory
- Metallurgy Laboratory
- Instrumentation Laboratory
- Metrology Laboratory
- CAD/CAM Laboratory
- Fluid Mechanics and Hydraulic Machinery Lab
- Mechatronics lab



Application Softwares used

Application softwares used in the Department include:

- Catia V5 R12
- Ansys 12.0
- Autodesk inventor Professional AutoCAD
- Iron CAD8.0
- Algor Multiphysics18
- Edge CAM Professional 10
- Pro-E Wildfire 3.0
- Scada

Add-on Courses

The Department conducts specialized Add-on courses in Auto CAD; CFD; Pro-E; CATIA; ANSYS; PRIMAVERA and Power Plant Familiarization.

Highlights and Achievements

- Research project worth of Rs. 18.33 Lakhs sponsored by DST entitled “Investigation on cutting tools

with array of Nano-films and their performance evaluation” was completed in 2013.

- Received travel grants worth of Rs3.00Lakhs from DST/UGC.
- Received grants worth of 35.71 lakhs from AICTE/MSME under MODROBS/FDP schemes.
- Department is recognized as a Research Centre by JNTUK, Kakinada.
- Department Has a Center of Excellence (CoE) in “Sustainable Design and Manufacturing”.
- About 126 International and National Research papers published in various Journals/Conferences by the faculty in the last five years.

Provides consultancy in the following areas:

- » Testing the calorific values of liquid fuels and solid fuels
- » Characterization of Materials behavior
- » Preparation of Nano particles
- » Fabrication of Nano Composites
- » EDM,POD and CNC





DEPARTMENT OF POWER ENGINEERING (Established 2012)

The Department of Power Engineering works closely with power plants to give its students a combination of real world exposure with sound academic grounding. The department trains students in thermal, hydel, nuclear and non-conventional energy based power plants by using power plant visits and experimental test rigs through specifically designed courses. Power plant operation, maintenance, cost analysis and switch yard operations are taught through plant visits and offline modules. Instrumentation and energy management and audit concepts are imparted through project work. The annual intake of this Department is 60 students.

Facilities and Infrastructure

- Work Shop / Combustion Laboratory
- Fluid Mechanics and Hydraulic machinery Laboratory
- Thermal Engineering Laboratory
- Heat Transfer Laboratory
- Strength of Materials Laboratory
- Fuels Laboratory
- Metallurgy Laboratory
- Instrumentation Laboratory
- Electrical Machines Laboratory
- Electrical Circuits and Simulation Laboratory

Major Courses Offered

- Thermal Engineering
- Power plant Metallurgy and Material Science
- IC engines and Air compressors
- Fundamentals of steam and gas power plants
- Steam Generators and its Auxiliaries
- Steam turbines and its auxiliaries
- Non Conventional Energy Power plants
- Power transmission and distribution
- Electrical Machine Design
- Digital Electronics and Integrated Circuits
- Control Systems
- Switch gear and Protection
- Optimization Techniques





DEPARTMENT OF BASIC SCIENCES AND HUMANITIES



The Basic Sciences and Humanities Department at GMRIT conducts courses in Sciences and Humanities for all the Undergraduate and Postgraduate students. The courses in English language and life skills enhance language and communication skills while courses in Mathematics reinforce the mathematical abilities required for advanced Engineering Research and Development. In addition, the Physics and Chemistry courses give the Undergraduates a strong foundation in principles of Engineering materials and technology and the analysis, testing and synthesis of materials. The MEFA (Managerial Economics and Financial Analysis) courses train the students in economic, financial and managerial fields.

Laboratories and other facilities

- Central Computing Lab
- Chemistry Lab
- Physics Lab
- Language Lab
- Central Computing Lab

The central computing lab is equipped with highly configured computer systems with LAN facility, which caters to the needs of On-line training and On-line examinations related to campus recruitment training. The lab facilitates internet browsing, preparation of presentations and organizing workshops.

Chemistry Lab

The Chemistry Lab is well equipped with modern instruments which can analyze water, air, soil, raw materials and finished products.

Physics Lab

A spacious and fully equipped physics laboratory provides good experimental skills to the students with emphasis on better understanding of basic concepts and realization through experiments.

Language Lab

In the present scenario of globalization, effective communication in English has become an obligation

rather than a privilege. In order to cater to the needs of the students, GMRIT has set up an advanced Language Lab with a platform software like RENET or Hi Class, and the content software like Rosetta Stone and Clarity Pronunciation Power-I and Power II etc. The Laboratory, equipped with state-of-the-art methods of language learning, facilitates the students with the effective and motivating language lessons in the areas of:

- Phonetics
- Listening Comprehension
- Model Imitation and Dialogue writing
- Reading Practice
- Group Discussions
- Effective Telephonic Interviews
- Pair-work
- Being Interviewed Skills
- Presentations
- Vocabulary Building
- GRE, G-MAT, CAT, TOEFL, and MAT training

Highlights of the Department

- Department of Chemistry received grants worth of 8 lakhs from AICTE under MODROBS scheme.
- Dept. of Chemistry provides consultancy services for Water Analysis.
- Currently, project worth of Rs.37.71 lakhs sponsored by BRNS entitled "Demographic and Health Status Survey in Kovvada Region" is going on.
- Currently project worth of Rs.2.8 lakhs sponsored by UGC entitled "Quality Management in Technical Education - A Case Study of selected Engineering Colleges in Srikakulam & Vizianagaram Districts of Andhra Pradesh" is going on.
- Currently project worth of Rs.3.1 lakhs sponsored by UGC entitled "Diversity and oriented synthesis of Imidazo pyridine analogues for anti-cancer and anti-candida studies" is going on.
- About 173 International and National Research papers published in various Journals/Conferences by the faculty in the last five years.





RESEARCH AND CONSULTANCY AT GMRIT

To encourage fundamental research and enhance the research capabilities of faculty and students, several initiatives and incentive schemes have been introduced. With a vibrant research and academic environment, faculty members strive hard to compete among the best in terms of research quality and to offer quality research training experiences to students. The Institute upholds its relevance to world-class research by linking with industry and business through local research networks. The basic objectives with respect to Research and Development activities are to:

- Stimulate Research and Development
- Identify the thrust areas to carry out the research
- Explore the avenues to tap research funding from various agencies
- Encourage and support the submission of R & D Projects
- Monitor and review the performance of projects against the scheduled project plan
- Formation of research group based on the interest and specialization
- Encourage faculty to participate in Workshops FDP (Faculty Development Programmes)
- Periodic review of faculty pursuing PhD

Research potential in the Institute spans over diverse fields like CAD/CAM, Signal Processing and Time Frequency Transform application to Non-Stationary Signal Analysis, System modeling and Identification, Adaptive Filtering, Machine Intelligence, Manufacturing,

Product Design, Energy, Information Technology and Structural Engineering. GMRIT motivates and encourages young researchers to participate in a wide range of research collaborations with premier Institutes. National/ International conferences and Workshops in several thrust areas are organized to discuss and disseminate the latest research findings in many frontier and contemporary technology related issues.

Current ongoing research projects include:

- Coastal Zone Problems and their remedies
- Evolving Challenges in Energy & Environment
- Renewable Energy Sources
- Biomedical Signal Processing
- Environmental Management using RSGIS and Land use mapping
- Solar cells and smart materials (Luminescent Photo catalysts)
- Bio-methanation of organic wastes
- Preparation, performance analysis and emission characteristics of biodiesel
- Cleaner production technologies and industrial ecology for resource recovery
- Physicochemical and biological processes for waste and wastewater treatment
- Nano materials and coatings
- Investigation on Cutting Tools with “Array of Nano Films and their Performance Evaluation”



Incentives to Promote Research

The Institute offers:

- Cash incentives for publications in Journals with Scopus indexed and SCI web of sciences.
- Sponsorship to attend national and international conferences
- Cash incentives for getting research grants
- Cash incentive for award of Ph.D.

Faculty with Ph. D/Pursuing Ph. D

Forty five faculty members hold Doctorates in different disciplines. Eight faculty members have already submitted their thesis and nearly 112 faculty members are engaged in pursuing their Ph.Ds from different premier institutions across the country.

Research Groups

The Institute has following research groups:

1. Environmental Science and Engineering
2. Renewable Energy Sources and Management
3. Nano-materials
4. Modeling and simulation
5. Intelligent Signal Processing

Research Grants

GMRIT has several funded projects from various funding agencies, including DST, UGC, AICTE, CSIR and ISTE adding up to nearly Rs. 2 crores. Apart from this, several research proposals worth Rs. 7 crores have been submitted to various funding agencies.

Consultancy Services

The Institute offers consultancy services to various industries which include:

- GMR Infra (P) Ltd., Hyderabad
- GMR Industries Limited, Sankili
- Kanakam Constructions, Hyderabad
- L & T, Nellore Project site
- Mega Constructions, Hyderabad
- Nagara Panchayat, Rajam
- Navya Constructions, Rajam
- Panchayat Raj Department, Bobbili, Therlam
- PGR Constructions, Hyderabad
- PJR construction, Rajam
- Rural Water Supply, Rajam, Regidi, Vangara
- Sairam Constructions, Visakhapatnam
- Sivasai Constructions, Srikakulam
- Tirumala Constructions, Vizianagaram
- World Diamond Manufacturing, Vizag
- Dr.Reddy's Lab



INFRASTRUCTURAL FACILITIES

Knowledge Centre

The Knowledge Centre consisting of Central Library along with all the Department libraries supports the teaching, research and extension programs of the Institute. The digital library with LAN and internet connectivity facilitates the academic and research needs of the students and faculty. With online subscription to American Society of Mechanical Engineers (ASME), Institute of Electrical and Electronics Engineers (IEEE), Institute of Engineering and Technology (IET)–Electronic Library (IEL), American Society for Civil Engineers (ASCE), Elsevier, Springer, McGraw Hill and Journal Gateway (J-GATE) (a total of 618+ International Journals), Membership in Development Library Network (DELNET), 4500 e-books, and 550 e-books from Pearson Education (Repository Service), the library facilitates the students and faculty to access specialized bibliographic database of books, serials and non-book materials through OPAC (Online Public Access Catalogue).

The digital library is hosted by Delta R5 server through which all the faculty and students can access the library through LAN. All transactions in the library are done through the software LIBSYS.

Seating Capacity	500
No. of Volumes	51244+
No. of Titles	14740+
No. of Technical Journals- Print (National:90; International:15)	105
Total No. of Magazines	8+
Total Number of CDs(Text books & Magazine CDs-1425; SONET-475)	1900+

Classrooms and Laboratories

Classrooms are spacious and well-furnished and provided with Audio-Visual teaching aids and the laboratories are equipped beyond the curriculum requirements enabling the students to obtain practical knowledge.

Auditorium

The Institute has an acoustically designed air-conditioned auditorium with a seating capacity of more than 300, with features like - Dolby digital audio system with 17000 Watt output, Video conference facility, Multimedia projection system, special stage lighting with scanners.



The auditorium is used for academic events, competitions, cultural events, and general and public functions.

Internet and Wireless Networking

Virtual LAN (VLAN) has been implemented on Wi-Fi network with 100 MBPS band width, providing internet facility to all the students and staff members. Manageable switches are employed for bandwidth sharing with Optical Fiber Cable (OFC) as the backbone of network.

Amenities on Campus

The Institute has the following amenities on campus:

- Bank and ATM facilities
- Post Office
- Canteen and Coffee Shop facilities
- Stationery and General Stores
- Cooperative Credit Society
- Reverse Osmosis (RO) processed drinking water
- Dispensary
- 24×7 Power back up with 1000KVA Diesel Generator (DG) set.
- College bus facility for day scholars
- Separate hostels for boys and girls
- Staff quarters
- Club house

Green Campus

Over 60% of 155 acre GMRIT campus is dedicated for nature, in sync with its eco-friendly stance. Recycling of waste water, Rainwater harvesting, use of solar energy for hostels, planting of 2000 trees and carefully planned landscapes add to the nature wealth of the campus. Battery run 6-seater vehicles provide transportation facility within the campus for students, parents, visitors and faculty members. As an initiative for pollution control, GMRIT observes every Thursday as a pollution free day where usage of all the vehicles are not allowed inside the campus thereby reducing carbon foot prints.



STUDENT WELFARE

The following measures are taken upon the campus to provide facilities to take care of student's welfare and to support them in academic, co-curricular and extracurricular activities.

- Accident and Medical Insurance facility
- 24×7 Medical assistance
- Encouragement and cash incentives for Paper Presentations and Seminars
- Remedial classes for the needy.
- Silent hours and hand-holding by mentors in the hostels
- Proctor System and Student Counseling
- Coaching for higher studies and Competitive Exams

Anti-Ragging Policy

The Institute strictly follows the Andhra Pradesh Prohibition of Ragging Act, 1997 in letter and spirit. Ragging is prohibited. The Institute takes stringent action against the perpetrators of anti-social activities. With a view to discourage, prevent and pre-empt acts of ragging, several measures are put in place.

Transportation

The Institute runs a fleet of buses for transporting students between the campus and the nearby towns like Vizianagaram and Srikakulam. Public transport is also available near the campus.





LIFE @ HOSTELS

Hostel life defines the life of a student on campus. Separate hostels are provided for boys and girls, with all the necessary facilities for study and recreation. Hostels are professionally managed and food quality is monitored by a Food & Beverage Manager. The rooms are well ventilated, spacious and adequately furnished. All hostels are provided with facilities like Computer Centre, TV room, Gym, Library/Reading room and Indoor games facilities etc. Apart from Wi-Fi connectivity in the hostel blocks, the students are also provided with physical LAN connectivity in each room.

Girls Hostel

The girls' hostel has two blocks viz., 'Nagavali' and 'Vamsadhara' with a capacity of 444 students. An exclusive Computer Centre with internet facility is provided in the hostel for use beyond college hours. Separate facilities for Shuttle Badminton, Basketball, Table Tennis and Throw ball are provided for the girls within the hostel premises.

Boys Hostel

The boys' hostel has five blocks 'Vindhya', 'Satpura', 'Aravali', 'Nilgiri' and Himalaya. The present capacity of Boys' hostel is 1083. Separate games facilities like Table Tennis, Shuttle Badminton, Volleyball and Caroms are provided for the boys within the hostel complex for recreation purpose and an exclusive recreation hall is also provided with TV room and Indoor games.





GENERAL FACILITIES IN HOSTELS

Entertainment

Facilities are provided for resident girl students to go for movies and shopping once in a month. Movies are also screened on the campus in the AC auditorium for all hostellers and family members of the faculty.

Bakery

Bakery facility is provided within each hostel to enable the students to buy bread, seasonal fruits, juices, etc.

Healthcare

Apart from a full time medical professional presence in the campus clinic, GMRIT has within the campus GMR Varlakshmi Care Hospital, a 135 bed facility with all modern amenities like ambulance and tie-up with a number of speciality medical care institutions. A prevailing medical insurance scheme addresses specific aspects of students' medical expenses also.

Canteen

The Institute has a canteen with 200 seating capacity where healthy, hygienic and tasty food is available.



Yoga

Facilities for Yoga classes are provided in the campus to help the students to lead a better balanced life centered on physical perfection, intellectual growth and spiritual enlightenment. All the students are encouraged to attend yoga classes.



CO-CURRICULAR ACTIVITIES

The Institute encourages students to take active participation in Co-curricular activities organized by different clubs under Student Activity Centre (SAC). A few of them include:

Technical Hobby Club: Encourages students to take up technical hobbies and hone their Engineering skills in WEB designing, Robotics etc.

Mathematics Club: Explores mathematical applications in the field of Engineering.

E-Plus Club: The Career Development Center has launched E-plus Club in association with "The Hindu". The activities of the club are designed to encourage the students to learn English and speak in public with confidence. The E-Plus Club provides a sound platform for the students to improve their communication skills.

Literary Club: Brings out inherent talent in language and literature among the students.

Film Club: Facilitates students to make short and documentary films on social themes.

Music Club: Encourages students to take active participation in instrumental and vocal music.

Dance Club: Enables passionate students and enhance dancing talent in them. Street Play, Duo Dance, Solo dance, Group Dance etc. are in the ambit of this club.

Quizzing Club: Organizes a variety of quizzes, crosswords, puzzles etc. covering history, science, technology, current affairs etc. to update themselves.

Fine Arts Club: It is a place where students can exhibit their artistic skills and nurture their skills in painting and sculpture besides handicrafts.

Drama Club: Brings together to learn and experience the theatre arts along with script writing and acting.

Photography Club: The club promotes learning the techniques of photography for novice.

Student Chapters

Students participate in professional body activities through the following chapters:

ISTE Chapter	IEEE Chapter	CMSI Chapter
IE Chapter	ASME Chapter	IICHE Chapter
CSI Chapter	IETE Chapter	





SPORTS AND EXTRACURRICULAR ACTIVITIES

The Institute encourages students to explore their latent talents by providing facilities for sports and games. The campus is equipped with various sports facilities like Aerobics Centre (air conditioned), Gymnasium, courts for Shuttle Badminton, Basketball, Ball Badminton,

Throwball and Volleyball, grounds for Football, Kho-Kho, Cricket, Bowling Machines with auto feeder, 400mts running track and a Long Jump pit.

A few achievements of the students in Games and Sports for the academic year 2013-14 & 2014-2015 are listed below.



University/Inter College tournaments/Competitions: 2013-2014 & 2014-2015

S.No	Game/Sports	Represented/Prizes Won	Name of the Tournament
1	Foot Ball	Represented, JNTU-K	All India / South Zone inter University/ National Tournament
	Hockey		
	Tennis(W)		
	Ball Badminton		
	Badminton		
	Kho-Kho		
	Taekwondo		
	Rifle Shooting		
	Hand Ball		
	Soft Ball		
	Body Building		
	Boxing		
Basket ball			
2	Badminton	Runners	
3	Kho-Kho	Winners, Runners	JNTU-K, Kakinada,
4	Basket Ball	Runners	Zone-A Inter Collegiate Tournament.
5	Table Tennis	Runners	
6	Cricket	Runners	Srikakulam District Eenadu Cricket Tournament-2014
7	Ball Badminton	Winners, Third Place	JNTU-K Central Zone, Inter Collegiate Tournament
8	Ball Badminton(W)	Winners, Runners	
9	Badminton	Third place	
10	Chess	6th place	
11	200mts Running	2nd place	
12	100mts Running long jump	2nd place	
13	1500mts running	2nd place	
14	Body Building	75 -80 Kgs;3rd place	Mr. Andhra, Body Building Competition.
		70-75 Kgs; 3rd & 4th place	
		50-55 Kgs; 4th place	
15	Body Building	60-65Kgs: 2nd ,3rd , 4th place	JNTUK Central Zone, Inter Collegiate Competition
		70-75 & 75-80 Kgs: 2nd place	
		70-75Kgs:3rd place	
16	Power Lifting	70-75 Kgs: 3rd place	JNTUK Central Zone, Inter Collegiate Competition
17	Ball badminton (W)	Represented Andhra Pradesh	National Championship-2013



STEPCONE – TECHNICAL FEST

STEPCONE (Students Technical Paper Contest and Exhibition) is an annual National level Paper Presentation Contest-cum-conference which is conducted on campus. The objective of STEPCONE is to bring young technologists on a common platform for exchange of ideas and networking and to expose them to multi-dimensional activities like technical Paper Presentations, Project Exhibitions, Workshops, Quizzes, On-line Gaming, Group Discussion, Programming Contest and other Spot Events that enrich and widen their horizons. Engineering students across the Country eagerly look forward to participate in this event every year. Experts from premier institutions judge the performance of the students, enabling them to have an opportunity to give wings to their ideas with rich feedback.

SPIC – MACAY – CULTURAL AWARENESS PROGRAM

The Institute has affiliated with SPICMACAY (Society for Promotion of Indian Classical Music and Culture Amongst Youth). This helps create an awareness of cultural heritage of our country through various performances-classical, contemporary and folk.

NATIONAL SERVICE SCHEME (NSS)

National Service Scheme (NSS) has a strong base in the Institute. Adhering to the philosophy of “giving back to the society” of the GMR Group, various service activities like Relief camps for natural calamities, Awareness programs on literacy, AIDS, Nutrition and Public Health etc. are organized regularly. Blood Donation in association with Indian Red Cross Society is one of the major service activities. The GMRIT unit has received Gold

Medal (in 2009) and Silver Medals (in 2010 and 2011) from His Excellency, the Governor of Andhra Pradesh for organizing Blood Donation Camp in association with Indian Red Cross Society.

GAMYAM



GAMYAM, a social service initiative of GMRIT students aimed to support the rural people in the vicinity of Rajam with a belief in learn and share. GAMYAM works with six arms viz. LAKSHYA, VIKASA, SUCHANA, AVAGAHANA, SIKSHA, VITARANA to promote health & hygiene, personality development, primary education etc.

GMR COMMUNITY RADIO

GMR Community Radio 90.4FM provides entertainment and information related to education, health and agriculture in the town of Rajam and its suburban community to enhance sustainability. It is a platform for students to plan, execute and host the radio programs lively with fun and enjoyment.



OTHER ACTIVITIES

The Institute is involved in other activities like:

- Akshay Urja Club for Energy conservation sponsored by NEDCAP
- Pollution control initiatives in association with APPCB
- Entrepreneurship Development Cell (EDC) sponsored by AICTE
- Renewable Energy Park in association with NEDCAP





CAREER DEVELOPMENT CENTER

GMRIT's Career Development Center (CDC) plays a significant role in networking graduating students with the industry. The Cell has been established with a prime objective of creating career opportunities for promising GMRIT students in reputed corporates towards meeting aspirations of all the stakeholders. To accomplish this objective, Career Development Center identifies companies in various sectors and initiates the process of building a mutually rewarding relationship with them. It prepares the students for the process of recruitment and gives opportunity for students to explore their career options. Simultaneously CDC also creates awareness among corporates about the recruitment opportunities at GMRIT. The CDC has gained a reputation of getting leading domestic IT majors (e.g., Birla Soft, HCL, Infosys, Mahindra Satyam, Mphasis, Polaris, TCS, Virtusa, Wipro); multinational firms (e.g., Convergys, Genpact, Honeywell, I-Gate, Persistent Technologies, Polaris, Syntel, Unisys); infrastructure giants (e.g., GMR, Lanco, L & T, NCC, SOMA) and other core companies (e.g., Coromandel International, JK Paper, NSL Seeds, Sujana Group, KMC) from across the country to visit the campus and recruit the students. The continuous efforts and effective training provided by the CDC team have helped the institute to achieve good placements from reputed companies year on year.

Campus Recruitment Process

All eligible and aspiring students for placement are registered with the Career Development Center during the first semester of the third year. A date for the recruitment process is arrived at in consultation with companies. Potential recruiters are given structural support for pre-placement talk, scheduling interviews,

hosting seminars, group discussions and written tests. In essence, CDC serves as a networking platform for students and companies to come together.

Building Competence

Career Development Center also helps in building the competence of students and enables them to face interviews confidently. The CDC organizes workshops, seminars and guest lectures to improve communication and presentation skills among students. With a focus on campus recruitment, special training classes are conducted in association with professional training institutes and specialists in personality development, etiquette, grooming etc.

The CDC also organizes seminars on higher education, conducts personality enhancement training and invites speakers from the industry to speak to the students. CDC conducts counseling sessions for students on various career opportunities available to them. Suitable options are suggested after discussing and understanding their interest and aptitude. Students make crucial career decisions based on their individual skill sets, abilities and aspirations.

Training Program

The Career Development Center organizes training programmes from internal sources as well as external agencies, adding up to nearly 200 hours per student.

The training programme includes Communication, Soft Skills, Group Discussions, Mock Interviews, Resume Writing, General Knowledge and Current Affairs for the



SOME OF OUR VALUED RECRUITERS

GMRIT's students have been placed with some of the leading corporate houses over the last few years.

IT Sector	NCC
Tata Consultancy Services	SVEC
Infosys	Lanco
Virtusa	Ramky Group
iGATE	TATA Refractories
Mahindra Satyam	L & T (Larsen & Tubro)
Wipro	GMR Infrastructure
HCL	GKC Projects Ltd
Birlasoft	BSPCL Infrastructure Ltd
Mphasis (HP Company)	KMV Projects Ltd
Capgemini	Navayuga
Magna Quest	Shobha Developers
Convergys	Other Core Sector
Persistent	JK PAPER LTD
Polaris	Coromandel
Syntel	Vasant Chemicals
Unysis	TRIMEX
Kanbay	EFFTRONICS
Honeywell	NSL SEEDS
Genpact	Waterhealth
NIT Data	ANU'S
Tech Mahindra	MEDHA
IBM	Cistron Technologies
Infrastructure Sector	Toshiba
KMC	Hyundai
Soma	GMR Energy
Sujana	GMR Airports

students. The CDC also provides tailor-made training based on an industry's needs. The CDC conducts analytical and quantitative reasoning and intense pre-placement training regularly.

CDC Activities

Following are the list of activities conducted by the CDC in the area of Training and Development with the aim of making the students more industry ready.

- A special corporate training programme for final year students in resume building, group discussions, general knowledge, current affairs, etc.
- Mock interviews by inviting HR Heads and Technical Experts from well-known companies
- Internships
- Intensive and comprehensive Campus Recruitment Training programme (CRT)
- Short industrial tours
- Training sessions through Digital English Language Lab
- Special training sessions in association with professional training institutes and specialists in personality development, etiquette, grooming etc.
- On-campus training for competitive exams like GRE, GATE, CAT etc.
- Soft-skill training in association with The Hindu E-Plus Club
- Seminars and workshops on entrepreneurship development





INDUSTRY-INSTITUTE INTERACTION

The CDC organizes interaction with various Corporate Heads, who visit the campus as Guest Speakers. Interactions are also conducted through Video Conference (VC) with distinguished speakers. Past distinguished guest speakers include Mr. Nandan Nilekani-Infosys, Mr. A M Naik, Chairman, L & T, Mr. Subroto Bagchi-Mind Tree, Mr. Kiran Karnik- NASSCOM, Mr. Ajai Chowdhary-

HCL, Mr. Mukul Agarwal- Unisys, Mr. A L Rao- Wipro, Mr. Rajavel Sekaran, Director, IBM.

BUSINESS INCUBATION CENTRE

The Entrepreneur Development Cell (EDC) of GMRIT has been identified as a 'Business Incubation Centre' by Micro, Small and Medium Enterprises (MSME), Govt. of India.



BEST PRACTICES @ GMRIT



- Effective measures to prevent ragging
- Student counseling and mentoring on campus and in hostels
- Focused attention with good Faculty: Student ratio of 1:14
- 100% Wi-Fi enabled Campus
- On-line (LAN) course content to supplement classroom teaching
- Web based portal for Faculty-Student-Parent interaction
- Activity Based Learning (ABL) classrooms
- Remedial classes for slow learners
- Encouragement and incentives for students to participate in Seminars/ Conferences/ Project Exhibitions
- Motivation and Personality Development Programs for students and faculty
- Soft Skills and Campus Recruitment Training (CRT) programs for students
- Add-on courses in collaboration with industry to enhance placement options
- Centre of Excellence for Training and Development in association with Microsoft, IBM and Oracle
- Facilities for Yoga and Meditation
- Observation of Silent Hours in hostels and pollution-free days on campus
- Student Activity Centre (SAC) with different clubs
- Campus amenities which include PCO/ STD/ ISD, Fax, Post Office, Bank with ATM, Stationery Store, canteen and round-the-clock medical assistance
- Proactive Career Development Center (CDC)
- Scholarship for academic excellence and fee concession for students with high Engineering

Agricultural and Medical Common Entrance Test (EAMCET) rank

- Availability of learning resources beyond working hours
- On-campus training for competitive exams like Graduate Record Examination (GRE) Graduate Aptitude Test in Engineering (GATE), Common Admission Test (CAT) etc.
- Continuous training on pedagogy and Quality Improvement Program (QIP) for faculty
- Curriculum and course structure design balancing the cognitive learning levels.
- Enhancement of self-learning skills through audit courses (liberal arts), term paper and mini project.
- Large number of Lab/practical courses to have hands on experience.
- Industry exposure through full semester credited internship during final year
- Continuous evaluation system emphasizing on Outcome Based Education philosophy
- Uniform course delivery and evaluation system for multisession courses.





ALUMNI ASSOCIATION



the GMRIT
Alumni
Association

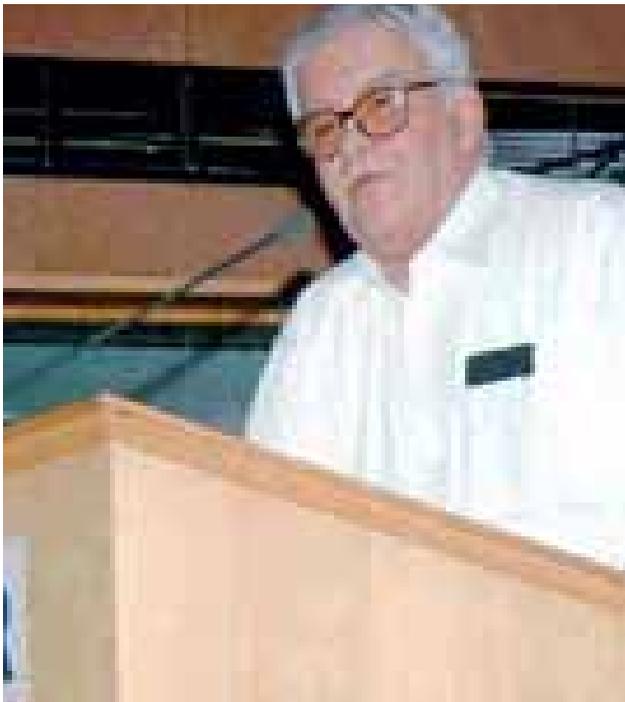
The GMRIT-ALUMNI Association, called Beacon, involves its alumni to provide current students access to network of well-employed graduates. Members are encouraged to inform the alma mater about the placement opportunities in their organizations. They are also facilitated to visit the Institute to deliver special lectures and these interactions help the students develop knowledge beyond curriculum. An Alumni Portal linked with Institute's website ensures connectivity and regional Alumni chapters are encouraged to enable regular Alumni Meets. This Alumni Meets apprise them of developmental activities at the Institute and seek their co-operation for taking the Institute to the next level.





Dr. APJ Abdul Kalam

VISITING DIGNITARIES @ GMRIT



Shri JJ Irani, Director, TATA Sons, addressing the GMRIT community



Shri AM Naik, CMD, L&T speaking to GMRIT-ians



GMR VARALAKSHMI FOUNDATION

GMR Varalakshmi Foundation (GMRVF), a Section 25 (not-for-profit) company, is the CSR (Corporate Social Responsibility) arm of the GMR Group. Its purpose is to develop social infrastructure and enhance the quality of life of communities around the locations where the Group has its presence. It is governed by a Board chaired by the Chairman-GMR Group and works in following social areas:

- Education
- Health, Hygiene and Sanitation
- Empowerment and Livelihoods.

Educational Institutions run by GMRVF include:

- GMR Institute of Technology, Rajam
- SGCSR Degree College, Rajam
- SGCSR College of Education, Rajam
- GMR Community College, Rajam
- GMRV DAV Public School, Rajam
- SML DAV Public School, Palakonda
- GMR Chinmaya Vidyalaya, Hyderabad
- GMR DAV Public School, Kamalanga, Odisha
- GMR School of Business, Hyderabad.





GMRIT
Training Tomorrow's
Engineers Today

GMR Institute of Technology
An Autonomous Institute Affiliated to JNTUK, Kakinada

GMR Nagar, Rajam
Srikakulam District,
Andhra Pradesh - 532127
P: +91 8941-251592 / 251593
E: gmrnit@gmrgroup.in

www.gmrnit.org

