



**G**MR Institute of Technology is situated at Rajam, a small industrial town about 100 Kms from the 'city of destiny', Visakhapatnam in Andhra Pradesh. The campus of the institute is spread over a sprawling 117 acres of land. The lush sylvan and idyllic surroundings at the heart of the agricultural belt, offer an ideal setting for higher studies. The institute is affiliated to the Jawaharlal Nehru Technological University, Kakinada and is approved by AICTE New Delhi. The institute has been accredited by National Board of accreditation(NBA), New Delhi and has acquired the ISO 9001:2000 Quality systems Certification.

The annual intake of the institute is 810 students. It has seen six batches of successful B.Tech. graduates taking up positions as competent and responsible professionals in many reputed companies.

GMRIT offers 4 year B.Tech program in seven core disciplines, 3 year MCA program and 2 year M.Tech program .

## Courses Currently offered

### U.G. Courses

- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engg.
- Electrical and Electronics Engineering

- Information Technology
- Mechanical Engineering

### P.G. Courses

- M.Tech (Power & Industrial Drives)
- M.Tech (Transportation Engineering)
- M.Tech (CAD/CAM)
- M.Tech (Computer Science & Engg.)
- M.Tech (DE&CS)
- MCA

## INSTITUTE RELATED

- \* **Eplus Club**” an initiation with Hindu was Launched at GMRIT on **8th September, 09**.
- \* **42 Engineers** day celebrations – In Remembrance to **Bharat Ratna-Sir, Mokshagundam Vishveswaraiya** under ECDA was held on **15th September, 09**
- \* **22nd Sep, 09:** T.V.Bhanu Prasad, Technical Evangelist, Team campus connect, Infosys addressed on **“Campus connect Initiatives and programming contest – Aspirations 2020”** to IInd, IIIrd and IV year B.Tech Students and IInd MCA students .
- \* **IBM Team** visited campus on **23rd September, 09** for academic collaborations
- \* **30th Sep, 09:** Vikram Bakshi, Joint Director Personal Officer, Indian Airforce, Delhi, addressed on **“Career Opportunities on Indian Air force”** to IV-B.Tech students.

- \* **8th October, 09:** Mr.J.Srinivasa Rao, JTO, BSNL, Visakhapatnam delivered a guest lecture on **“Sampling Techniques & Their Applications”**
- \* **14th October, 09:** Dr.K.Narasimha Rao, Professor Department of EEE delivered a guest lecture on **“De-Regulation of power system & voltage stability”** conducted by GVP college of Engineering Visakhapatnam in association with ISTE students chapter
- \* **16th October, 09:** Dr.N.T.Rao, Director, VIT, Vellore visited the campus and addressed to HoDs.
- \* **07th November, 09:** Mr.K.Srinivasa Rao, Sr.Professor, The institute of mathematical Sciences Chennai delivered a guest lecture on **“The Life and work of Srinivasa Ramanujan”** to all 1st B.Tech students.
- \* **11th November, 09;** conducted a awareness program on **“anti ragging and attendance”** by B.Veerababu, JNTU Kakinada
- \* **16th November, 09:** Perth college team visited the campus.
- \* Blood grouping camp was conducted on 23rd November, 09 under NSS activities
- \* **“Manipuri Dance” organized under SPICMACAY** on 30th November, 09.
- \* **05th Dec, 09:** Ch.V.M.K.Hari, Associate Professor, GITAM University, Visakhapatnam delivered a guest lecture on **“Uniform modeling Language”** for MCA students under CSI activities.
- \* **29th Dec, 09:**Dr.R.Govinda Rajulu, IIT-Hyderabad delivered a guest lecture on **“Multicore Architecture and Parallel Programming” & “Concurrent Programming”** for B.Tech students under CSI activities.
- \* **24th Dec, 09:** Dr.K.Ramji, Professor, Department of Mechanical Engineering, Andhra University, Visakhapatnam address

the faculty on **“TEQIP-Issues of Relevance and Implementation”**.

## ACHIEVEMENT

- \* The project titled **“Modeling of saltwater intrusion for an effective management of coastal aquifers: A case study of Srikakulam coastal belt in AP”** by Dr G Venkata Rao, Dept of Civil Engg, was sanctioned with a grant of Rs **18.3 Lakhs from DST**.

## WORKSHOPS

- \* **18th and 19th September, 09:** conducted **“Values and Beliefs”** for GMRIT and GCSR Degree college newly joined faculty.
- \* **10th and 11th Dec, 09:** Departments of CSE and IT conducted a two day international seminar on **“Artificial Intelligence and its applications-09”** at GMRIT, Rajam.
- \* **21st , 22nd and 23rd , 24th Dec, 09:** GMR Varalaksmi foundation twice conducted a 2days training program on **“Personal and Interpersonal Effectiveness”** for non teaching staff of GMRIT.
- \* **6th and 7th November, 09:** Department of BS&H conducted a two day national workshop on **“Mathematical Techniques Their applications in Engineering Problems”**

## ACADEMIC ACHIVEMENTS

### Technical Paper Publication in Conferences

- \* M.Satish(IT) presented a paper on **“A Sophisticated Two Server Authentication System”** in a national conference on Networking and Data Management Technologies, Organized by Institute of Public

Enter Prize, Osmania University Campus, Hyderabad on **3rd and 4th Sep, 09.**

- \* G.Veerraju(IT) presented a paper on **“Architecture and services of Grid Computing”** & M.Balajee presented a paper on **“Resource Management in Distributed Environment using MESCH Approach”** in a National conference on CONVERG-2K9, Research trends in information technology, organised by S.R.K.R. Engineering College, China Amiram, Bhimavaram on **9th and 10th Sep, 09.**
- \* **26th and 27th October, 09:** A.Appa Rao(EEE) presented a papers titled **“Determination of D.C. solution of MOSFET circuits”** & **“Adaptive input – output decoupling control of induction motor”** selected a National Conference NADCON-09 at GRIET, Hyderabad.
- \* **30th and 31st October, 09:** D.P.Dash(BS&H) presented a paper on **“Challenge of Teaching Phonetics in India and the mother tongue Influence A Brief study”** in the National seminar on Phonetics and Spoken English, Department of English University of Hyderabad.
- \* **2nd November, 09:** G.Venkata Rao, S.Chandra Mouli & K.Sundara Kumar(civil) presented a paper on **“Modelling of Saltwater Intrusion for an effective Management of Coastal Aquifer. A case study of coastal belt of Srikakulam, A.P”** at KIIT, Bhubaneswar
- \* **5th to 7th November, 09:** P.Lakshmana Rao(BS&H) presented a paper on **“VOCABULARY LEARNING STRATEGIES : A PRACTICAL APPROACH”** in International Conference at Janardhana Rao nagar, Rajastan Vidyapeeth, Rajastan
- \* **6th to 9th November, 09:** M.Rama Krishna Murthy and Ch. Srinu Babu(CSE) presented a papers on **“Frequency Based Document Clustering for Multiple Theme Documents with Effective Document Preprocessing”** & **“Document Clustering based on Keyword using Spherical K-Mean Algorithm with Effective Preprocessing”**, at International conference on Information Technology and Business Intelligence, IMT- Nagpur
- \* **6th to 9th November, 09:** K.Koteswara Rao and Srinivasan Nagaraj(CSE) presented a paper on **“The Optimal Resource Discovery and Allocation Algorithm for One-Hop using Tree Technology”** at International conference on Information Technology and Business Intelligence, IMT- Nagpur.
- \* **6th to 9th November, 09:** T.N.Shankar presented a paper **“Cryptography with Coordinate System”** at International conference on Information Technology and Business Intelligence, IMT- Nagpur.
- \* **21st and 22nd November, 09:** M.Balajee,(IT) presented a paper on **“Preemptive Job Scheduling with priorities and Starvation cum congestion avoidance in clusters”** at National conference organized by University of Mysore, Mysore.
- \* **20th and 21st November, 09:**V.Jagan Naveen(ECE) presented a technical paper on **“Performance analysis of MC CDMA and OFDM”** at National conference on advances in signal processing (NCASP-09) at Andhra University, Visakhapatnam.
- \* **20th and 21st November, 09:**G.Manmadha Rao(ECE) presented a papers **“Radar Target Detection using LFM CHIRP”** & **“Performance evaluation of active sonar pulse designs for reverberation processing”** at National conference on advances in signal processing (NCASP-09) at Andhra University, Visakhapatnam.

- \* **14th and 15th November, 09:** S.N.Dash(CHEM) presented a paper on **“Evaluation & Adsorptive capacity of a new low cost activated fro the removal of Zn(II) and cu(II) from aqueous solutions”** at National conference on AEE-09 at NIT, Rurcella.
- \* **26th and 27th November, 09:** A.Appa Rao(EEE) presented a paper on **“Determination of DC solution of MOSFET Circuits”** at National conference NADCON-09 at GRIET, Hyderabad.
- \* **26th and 27th November, 09:** A.Appa Rao, P.Devendra & TLSV Ayya Rao presented a paper on **“Control of Induction motor by Adaptive input- output linerization”** at National conference NADCON-09 at GRIET, Hyderabad.
- \* **13th Dec, 09:** K.Sundhara kumar(civil) have submitted a research paper on **“Environment of Impact Assessment of a Proposed Bauxite mining using Rapid Impact Assessment Matrix Method”** in Internal Journal of applied Environmental Sciences.
- \* **14th to 16th Dec, 09:** V.Venkata Ramana(civil) presented a paper on **“Comparison of DEMS derolved from optical stereoscopyand in sar Technologies”** at ICAMB -09 conducted during 14 th -16th Dec 2009 at VIT University, Vellore.
- \* **27th to 30th December, 09:** A.Prasad(chem) presented a paper on **“Removal of Cadmium using cocosnucifara 1:equilibrium and kinetic studies”** at CHEMCON-2009 held, 09 at AU, Visakhapatnam.
- \* **10th & 11th Dec, 09:** A.V.Ramana(IT) presented a paper on **“Enhance in the performance of MANET Through Mining”** & B.Kishore(IT) presented a paper on **“The Need and Use of Sigmoidal Feed forward neural networks for Implementing RBF type networks”** at International seminar on **“AI & Its Applications – 09”** at GMRIT.
- \* **27th to 29th Dec, 09:** Y. Narendra Kumar & Mr. P. Vasudeva Naidu(EEE) Presented a paper **“A New simple modeling and analysis of custom power controllers”** ICPS 2009” at Inter National Conference at IIT, Kharagpur.
- \* **21st and 22nd Dec, 09:** Prof.Birendra Biswal(ECE) presented a paper on **“TT-ACO Based Power Signal Classifier”** at International Symposium on Biologically Inspired Computing and Applications Bhubaneswar.
- \* **11th and 12th Dec, 09:** Mr.D.K.Bebartha& Ajit Kumar Rout(CSE) presented a paper **“PNN Based Pattern Classifier for Non-Stationary Signals”** , G.Anuradha(CSE) presented a paper **“Web. 3.0: An Intelligent web system”** P.Srinivasa Rao(CSE) presented a paper **“Rook: Multi-session based Network Security evevnt detector”** at International seminar on Artificial Intelligence & application at GMRIT, Rajam.
- \* **12th to 16th October, 09:** S.V.Ramana (Mech) presented a paper on **“Experimental investigations on the influence of variation of wt% of nano sized solid lubricant in the machining of AISI 1040 steel”** at an Indo French Workshop cum International Conference on Nano Science and Nano Technology held at Ansal Institute of Technology, Gurgoan.

## PUBLISHED IN JOURNALS

- \* Mr.G.Babu Rao & Ms.G.Kalyani (chem) published a paper **“Biosorption Isotherms of Fluoride From Aquesous Solution on Ulva Fasciata SP – A waste material”** International Journal of Applied Environmental Sciences, ISSN 0973-6077 Volume 4, Number 2(2009), PP 173-182.
- \* M.Ramakrishna murthy and Ch.Sreenu Babu(CSE) published a paper **“Document Clustering based on key word using spherical K-Mean Algorithm”** in National journal of engineering today volume XI issue X (ISSN 09748377) in October, 2009

## WORKSHOPS ATTENDED

- \* **19th October, 09:** Prof. N.B.Soni (EEE) delivered a guest lecture on “**Future Renewal energy towards industrial growth**” at Hyderabad institute of Technology, Hyderabad.
- \* **6th November, 09:** Mr.R.Srikanth(chem) attended a meeting on “**Examination Reforms and academic audit**” conducted by JNTU, Kakinada.
- \* **18th to 20th November, 09:** Abdul Ameen Mahammad(BS&H) attended a conference on “**3rd Policy Dialogue**” organized by British council, New Delhi
- \* **20th November, 09:** J.Vasudeva Rao (CSE) attended a one day workshop on “**Research Methodologies**” at JNTU, Kakinada.
- \* **27th and 28th November, 09:** Dr.CLVRSV. Prasad, Principal attended a two days workshop on “**Transformational leadership for public Institutions**” conducted by XIME, Bangalore.
- \* **23rd to 27th November, 09:** GMSR Naidu & L.Govinda Rao(ECE) attended 5 days faculty development program on “**Introduction to cadence Tools and design aspects of Analog Circuits**” at GVP college of Engineering Visakhapatnam.
- \* **21st November, 09:** Prof.Birendra Bishwal delivered a talk on “**Modified Transforms**” at National conference on Advances in signal processing (NCASP-09) at Andhra University, Visakhapatnam.

- \* **22nd to 26th November, 09:** V.Srinivasa Rao and P.Kalpna(chem) attended a QIP short term course sponsored by AICTE on “**waste minimization & Bio energy**” at IIT, Kharagpur.

## DEPARTMENT WISE ACTIVITIES

### Dept. of Civil Engg.

- \* **17th November, 09:** Dr.G.V.Rao, Distinguished Professor, Civil Engineering delivered a guest lecture on “**Current Challenges in Infrastructure development-role of an Engineer**” to Civil, Mechanical, Chemical and EEE 1st year students.
- \* **11th Dec, 09:** Dr.P.S.Rao, Dr Bhirendra Bhiswal and Mr. P N Singh of GMRIT delivered a lectures during International seminar on “**Artificial Intelligence and Expert System**” to 2nd Civil students.
- \* **14th Dec, 09:** Dr.G.V.Rao, Distinguished visiting Professor, Civil, GMRIT delivered a lecture on “**Our Earth**” to 2nd Civil Students.

### Dept. of CSE

- \* Conducted a “**C APTITUDE TEST**” under CSI activities on 07th October, 09.
- \* Conducted the event “**Innovative Ideas**” under ISTE activities on 10th October, 09.
- \* **21st November, 09:** Department of CSE conducted a faculty seminar on “**Frequency Based clustering For Multiple Theme Documents with Effective Preprocessing**” by M Rama Krishna Murty(CSE) under CSI activities.
- \* **23rd Dec, 09:** Department of CSE conducted an event on **MOCK TCS** under ISTE students chapter.

- \* Organized **International Seminar on Artificial Intelligence and Applications on 10<sup>th</sup> & 11<sup>th</sup> December, 2009.**

### Dept. of ECE

- \* Conducted a "Circuit Designing and Open Lab Demo contests" under ISTE and IE activities.

### Dept. of IT

- \* Conducted a "Debate Competition" under CSI activities on 24th October, 09.
- \* 25th November, 09: Department of IT conducted "C Aptitude Test" for MCA students under CSI activity
- \* 26th November, 09: Department of IT conducted "personality development skills" for MCA students by Mr.Surendran & Mr.Ameen(BS&H)

### Dept. of EEE

- \* Conducted a Project Exhibition on 6th October, 09.
- \* **31st Dec, 09:** Department of EEE conducted a seminar for EEE students.

### Dept. of Chem. Engg.

- \* **17th November, 09:** Dr.Sashidhar, Professor, Chemical Engineering delivered a guest lecture on "**Current Challenges in Infrastructure development-role of an Engineer**" to Civil, Mechanical, Chemical and EEE 1st year Students.
- \* **11th Dec, 09:** **Dr.P.S.Rao,Dr Bhirendra Bhiswal and Mr. P N Singh** of GMRIT delivered a lectures during International

seminar on "**Artificial Intelligence and Expert System**" to 2nd Chemical Students.

- \* **14th Dec, 09:** Dr.G.V.Rao, Distinguished visiting Professor, Civil, GMRIT delivered a lecture on "**Our Earth**" to 2nd Chemical Students.

### Dept. of Mechanical Engineering

- \* **11th Dec, 09:** **Dr.P.S.Rao,Dr Bhirendra Bhiswal and Mr. P N Singh** of GMRIT delivered a lectures during International seminar on "**Artificial Intelligence and Expert System**" to 2nd Mechanical Students.
- \* **14th Dec, 09:** Dr.G.V.Rao, Distinguished visiting Professor, Civil, GMRIT delivered a lecture on "**Our Earth**" to 2nd Mechanical Students.

## CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- Ram Prasad and N.Ram Santosh (chem) got **1<sup>st</sup> Prize** for their paper "**Evaluation of critical pitting potential of AA 6069 weldment in marine environment**", at National Symposium "**FUSION-09**" held at JNTU, Ananthapur on **10th September, 09**
- K.Rama prasanthi and T.Soujanya (Chem) presented a paper "**Production of Hydrogen from Biomass Aqueous phase Reforming**" at National Symposium "**FUSION-09**" held at JNTU, Ananthapur on **10th September, 09**
- S.Lakshmi Prasad and K.Ravi Chandra(chem) presented a paper "**The present Energy demands-Nuclear Energy**", at National Symposium "**FUSION-09**" held at

JNTU, Ananthapur on **10th September, 09**

- S.Kalpna and Ravi Kumar(chem) got **1<sup>st</sup> Prize** for their paper on “**Environmental Engineering**”, at National Sumposium “**FUSION-09**” held at JNTU, Ananthapur on **10th September, 09**
- A.Shanmukha Rao and U.Swapna sai and Nanduri Rama Santosh(Chem) presented a paper “**Production of hydrogen by steam Reforming of Methanol using Commercial Ni-AL Catalysts**” at National Sumposium “**FUSION-09**” held at JNTU, Ananthapur on **10th September, 09**
- Santosh Jayanthi(CSE), got **2nd Prize** for his paper “**Voice over internet protocol Aarush-09**” organized by SRM university, kattankulathur, Chennai **10th September, 09.**
- P.Indraniel Gupta (IT) got **1st Prize** for his paper “**Optical Camouflage**” at Pydah College of Engineering, VSP on **11th Sep, 09.**
- Santosh Jayanthi(CSE) and T.Ajay Sankar (ECE), got **1st Prize** for their paper “**Human Computer Interaction (Voice Domine Gravit as-09)**” organized by VIT University, Vellore, Tamil Nadu from **11th to 13th September, 09.**
- K.Naresh Babu and K.Harshavardhan (CSE) presented a paper on “**Optimal Camouflage (Gravit as 09)**” organized by VIT University, Vellor, Tamil nadu from **11th to 13th September, 09**
- B.V.R.Kiranmai & Ms.J.Sarayna(IT) got **2nd Prize** for their paper “**Cryptology**” at AITAM college of Engg. Tekkali on **17th Sep, 09.**
- P.Indraniel Gupta (IT) got **1st Prize** for his paper “**Conspiracy Theory**” at ANITS College of Engineering, VSP on **18th Sep, 09.**
- K.Bhavani vijaya lakshmi & G.Harish (Chem) got **2nd Prize** for their paper “**Nano Technology**”, G.Shipra and K.Sudheer(chem) got **1st Prize** for their paper “**Nano Filtration Removal of Container from water**” at **FUSION-09** conducted by **JNTU college of Engineering, Ananthapur.**
- D.P.Krishna Chaitanya(Chem) got **2nd Prize** for his paper “**Environment**” at GVP College of Engineering, VIsakhapatnam from **16th to 18th September, 09.**
- S.R.V.Swathi and Ch.Tejaswani(CSE) presented a paper on “**Bio Medical Instrumentation AADYOTA-09**” organized by Gayatri Vidya parishad College of Engineering, VSP on **16th, 17th and 18th September, 09.**
- S.Sailaja & G.Sridevi(CSE) presented a paper on “**Wi-Fi VECTOR-09**” organized by Gayatri Vidya parishad College of Engineering, VSP on **16th, 17th and 18th September, 09.**
- GMRIT **Volley ball team** got 1st Prize conducted by Aditya Institute of Tech., Tekkali on **3rd October, 09**
- Two GMRIT students represented JNTU in the South Zone **Inter university Hockey Tournament** held at Bangalore university on **20th October, 09.**
- **3rd to 9th November, 09:** A.Sailaja, 1st ECE represented JNTU In the all India inter university “**volleyball tournament**” at North Maharastra University, Jalgaan.
- **10th and 11th Dec, 09:** T.Raghavendra(CSE) presented a papers on “**Electro oculography control computer with eyes**” & “**Artificial Vision**” at BIOFLARE-09 conducted by ANITS, Visakhapatnam.

- **10th and 11th Dec, 09:** J.Santosh(cse) presented a papers on “**Artificial Intelligence and expert System**” at AIA-09, GMRIT, Rajam.
- Mr. N. SRIKANTH of II EEE has been selected for Inter University “**Volley ball Tournament**” conducted from 27-30, Dec, 2009, at Kannur University, Kerala.
- Six students represented JNTU Inter university “**Football tournament**” at Bharatia, University, Coimbatore, Tamilnadu.
- Mr.G.R.Rajatesh (EEE) won 1st and 2nd prizes for his papers “**ZIGBEE wireless network**”, “**Automated guided vehicle**”“**Eye inter face technology**” at JNTU Kakinada & Vizianagaram campus.
- Mr T.Ajay Sankar(EEE) won 1st and 2nd prizes for his papers " **Data Security** “, " **Eye Tracking - a new Visual Exploration**" & “**Automated Guided Vehicle**“ at JNTU Kakinada & Vizianagaram campus.

## NEW RECRUITMENTS

- \* **Dr.Virendra Biswal**, Professor, ECE
- \* **P.Beulah**, Assistant Professor, BS&H
- \* **M.Srikanth**, Assistant Professor, BS&H
- \* **Dr.G.V.Rao**, Distinguished visiting Professor, Civil Engineering.
- \* **Dr.R.S.Shasidhar**, Adjunct Professor, Chemical Engineering
- \* **B.V.Satyannarayana**, Asst. Prof., EEE

## Training & Placement

- **30th Sep, 09:** Vikram Bakshi, Joint Director Personal Officer, Indian Airforce, Delhi, addressed on “**Career Opportunities on Indian Air force**” to IV-B.Tech students .
- Total Cumulative placements for 2009 batch as on **30th November, 09 – 163**
- TPC organized faculty development program by M/s TCS, as a part of academic interface program for the benefit of CSE, IT and MCA faculty members on **20th September, 09**
- **CAT-2010** classes are scheduled on twice in a week for **6Hours**.
- Regular physical exercises are going on for **Navy/Army/Air Force of SSB Training**.
- As a part of Value addition concept to our E-Plus club activity, Hindu organized a seminar on “**Communication and Leadership Skills**” for E-Plus club members of all departments and final year MCA students on 12th October, 09.
- A Training Session on “**Presentation Skills and Time management**” conducted on 21st October, 09 by M/S Winzest, Hyderabad for II MCA students .
- The classes of **IELTS** have started for B.Engineering Aircraft students from 30th October, 09 by TIME.
- TPC team visited various companies during 24th September to 6th October, 09.
- The cumulative placements for 2010 batch as on **31st December, 09 – 19**. (M/s Infosys “18”, M/s Soma enterprise “1”) .



- To prepare the Final year students for Campus recruitment, the following training programs were conducted: (i) Campus Recruitment Training Program of both Aptitude and Soft skills by TIME, Vizag, for 35 Hrs. from 1st to 5th December, 2009 (ii) Technical Training Program by In-house faculty for 12 Hrs. on 7th & 8th December, 2009 (iii) IT Technical Training Program for 12 Hrs for Non-IT Branches by IT Faculty on 9th & 10th December, 2009. (iv) Grooming session for 3 Hrs. each for boys & girls by Team, TPC on 15th December, 2009.
- 18 students attended the Indian Navy SSB held on 6th December, 2009 at Bangalore. 2 students have been short listed for the Medicals.
- Conducted Staff Coordinators meeting on 3rd December, 2009 for taking active steps in Technical Training

## FORTHCOMING EVENTS

- **National Level Student Technical Paper Contest and Exhibition**  
**STEPCONE-10** on 8th & 9th January, 2010
- **Two-day National Workshop on**  
**“Advanced Signal Processing**  
**Application in Electronics and**  
**Telecommunication” (WASET-2010)**  
from 19<sup>th</sup> – 20<sup>th</sup> February, 2010