



**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 autonomous and 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) of AICTE and NAAC – 'A' grade of UGC. The institution is also having ISO 9001:2008 Quality Systems Certification.

The annual intake of the institute is 966 students. It has fourteen batches of successful B.Tech graduates taking up positions as competent and responsible professionals in many reputed companies.

GMRIT offers 4 year B.Tech programs in eight core disciplines, and 2 year M.Tech programs in seven specializations.

### 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
- Power Engineering

#### P.G. Courses

- M.Tech (Power & Industrial Drives)
- M.Tech (Transportation Engineering)
- M.Tech (CAD/CAM)
- M.Tech (CSE)
- M.Tech (Digital Electronic & Comm. Sys)
- M.Tech (VLSI Design) : Second Shift
- M.Tech (Chemical Engineering)

#### INSTITUTE RELATED

- GMRIT is nominated as a **NBA Training center** to give training, awareness and sensitization about OBE to identified faculty and Institutions under JNTUK affiliated colleges.
- Submitted a Proposal to MOEF titled "**Growing urbanization influence and impact on water cycle – a case study in the region under GVMC, Andhra Pradesh, India**" by **Dr G. Venkata Rao**, for Rs 20.66 lakhs.
- DST Project "**Ground Water modeling for Hydrogeological characterization of Hazardous substance release sites-A case study of Pydibhimavaram Industrial area, Srikakulam, A.P.**" submitted by **Dr. G. Venkata Rao**.
- **Dr.D.Tejeswara Rao submitted UGC project** titled "Diversity and oriented synthesis of Inidazo[1,2-9] pyridine analogues for anti cancer and anti

candida studies” to (UGC-South Eastern Regional Office P.B.No-152, A.P.S.F.C, Building , 1vth Floor Chirag Ali Lane Hyderabad-500 001. Estimated cost of Project: 4,90,000/-.

- **Dr.K.V.S.Rrasad submitted UGC minor research project** proposal titled “**Total Quality Management in Technical Education: A Study of selected Engineering Colleges in Srikakulam, and Vizianagaram Districts of Andhra Pradesh**” to (UGC-South Eastern Regional Office P.B.No-152, A.P.S.F.C, Building , 1vth Floor Chirag Ali Lane Hyderabad-500 001. Estimated cost of Project: 2,80,000/- . Dt.08.08.2014.
- **Dr.K.Koteswara Rao** submitted a **Major Research Project (MRP)** to UGC titled “**Electro Deposition of Nitrogen doped TiO<sub>2</sub> Nano particle blended conducting polymers as anti corrosion coatings**” as Co-investigator along with **Dr.M.Krishna Prasad** , Prof Dept of Chemical Engg, GMRIT as Principal Investigator. Dt. 31.08.2014.

## ACHIEVEMENT

- Rated AA+ among top 80 engineering colleges in A P by Careers 360 for 2012.
- Ranked 45 among top 100 engineering colleges by Dataquest for 2011.
- Ranked 11 in India among top promising Engineering college of Excellence & ranked 14 in Andhrapradesh by CSR for 2012
- Ranked 75 among top 75 Engineering colleges by Outlook for June'12.
- Submitted questionnaire for 2012 Dalal street ranking

## INVITED TALKS BY OUR FACULTY

- **Mr. M.Eswara Rao**, Asst.Professor in English attended as a Guest at Sri.G.C.S.R.College , Rajam for giving Guest Lecture on 27.08.2014.
- **Sri. S. Ravi Babu**, Assistant Professor delivered for a Guest Lecture “**Thermal and Nuclear Power Plants**” at Sanketika Institute of Technology and Management, PM Palem, Visakhapatnam on 21.08.2014 for M. Tech II Semester (Thermal Engineering) students.
- **Sri. P. Sai Chaitanya**, Assistant Professor delivered for a Guest Lecture “**Equipment Design for Thermal Systems**” at Sanketika Institute of Technology and Management, PM. Palem, Visakhapatnam on 22.08.2014
- **Dr. R. Umamaheswara Rao**, Associate Professor delivered for a Guest Lecture “**Energy Management**” on 23.08.2014 for M. Tech (TE) students at Sanketika Institute of Technology and Management, PM Palem, Vizag.

## WORKSHOPS

### ACADEMIC ACHIVEMENTS

#### Technical Paper Publication in Conferences

- **V. A. Naidu, G. V. S. R. Deekshitulu**, “**Approximate Solutions to Differential Equations using Bernstein Polynomial Basis**”, National conference on Emerging Trends in Mathematical Sciences and Engineering Applications on 23rd and 24th May, 2014 at JNTUK, Kakinada.

- **Ch .Gopalarao, R. Suryanarayana, "n-point boundary value problems-Existence and Uniqueness "**, National conference on Emerging Trends in Mathematical Sciences and Engineering Applications on 23rd and 24th May, 2014 at JNTUK, Kakinada.
- **Mrs. PNL. Pavani**, Assistant Professor **"Investigation and Optimization of the Effect of Titanium Dioxide and Nano boric acid in Machining AISI 1040 steel, Id: ICM1299"** International Conference on International Colloquium on "Materials, Manufacturing and Metrology ICMMM2014" on 08.08.2014 to 09.08.2014.
- Shishir Kumar Behera, Saroj K. Meher, Hung-Suck Park, **"Artificial Neural Network Model for Predicting Methane Percentage in Biogas Recovered from a Landfill upon Injection of Liquid Organic Waste"**, Clean Technologies and Environmental Policy, DOI:10.1007/s10098-014-0798-4
- **Mr.G.Swain**, Associate Professor of IT Department published a paper titled **"Stegaragraphy Using Two Sided, Three Sided, and Four Sided Side Match Methods"** in International Journal CSI transactions ICT, (Springer), in June 2013.
- **Dr.SV Ramana, P.Govinda Rao " Modelling and static Analysis of femur bone by using different implant materials "** IOSR journal of Mechanical and Civil Engineering Vol.7. issue -4 Pp:82 – 91, July 2013.

## PUBLISHED IN JOURNALS

- **Mohammad Sadegh Taskhiri , Shishir Kumar Behera and Raymond R Tan, Hung-Suck Park, "Fuzzy optimization of a waste-to-energy network system in an eco-industrial park"**, Journal of Mater Cycles Waste Manag, DOI 10.1007/s10163-014-0259-5.
- **K. Srinivas, "Need of nano technology in education"**, Science Journal of Education, May 2014; 2(2): 58-64 .Science Publishing Group, ISSN:2329-0897(Online).
- **K. Srinivas, "Nanoparticles influence on dye-sensitized solar cells based on TiO<sub>2</sub>"**, American Journal of Nano science and Nanotechnology, May 2014; 2(3): 32-39. Science Publishing Group, ISSN:2331-0693(Online).
- **K. Srinivas and D. Krishna Rao, "Modeling and computer simulation of nanostructured devices"**, American Journal of Nano science and Nanotechnology, May 2014; 2(3): 40-44. Science Publishing Group, ISSN: 2331-0693(Online).
- **P.Govinda Rao " Improvement of tensile strength of butt welded joints prepared by vibratory welding process "** International journal of Mechanical and Technology ( IJMET) Vol.4. issue -4 Pp:53 – 61, July 2013
- **Dr V.Chittibabu " Finite element Analysis of Piezoelectric Transducers "** ITSI Transactions on Electrical and Electronics Engineering, ( ITSI-TEEE) Vol.1. Issue -3 Pp:19 – 30, July 2013.
- **Sridhar N, Lalitha Bhaskari D,Avadhani PS, Paper Title: "Inverted Pyramid Approach for E-Mail forensics using heterogeneous forensics tools"**, CSI Communications, July 2013.
- **Dr. D. Ravi Kumar**, Professor **"High wear performance of the dual-layer graded composite diamond coated cutting tools"** International Journal of Refractory Metals and Hard Materials 48 (2015) 24-30 on August, 2014.

- **Sri. D. Venkata Rao, Sri. K. Prasada Rao, Sri. S. Chiranjeeva Rao, Dr. R. Umamaheswara Rao** “**Design and Fabrication of Power generation system using Speed Breaker**” International Journal of Current Engineering and Technology, Volume-4, Issue-4, August-2014.
- **Sri. K. Prasada Rao, Dr. V. Rambabu, Sri. K. Santha Rao, Sri. D. Venkata Rao** “**Mobile Operated Lawnmower**” International Journal of Mechanical Engineering and Robotics Research, Volume-3, Issue-4, August-2014.
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- **T.Ramprasad, Ch Gopala Rao, K Dasu Naidu and V AppalaNaidu** attending National Conference on “**Emerging Trends in Mathematical Sciences and Engineering Applications (ETMSEA-2014)**” at JNTUK, Kakinada during on 23<sup>rd</sup> & 24<sup>th</sup> May 2014.
- **Ms. S.S.Durga Kameswari** has attended “Faculty Development Program on LabVIEW for Teaching and Research Applications” organized by Department of Electronics and Communication Engineering, MVGR College of Engineering from 23-06-14 to 27-06-14.

## WORKSHOPS ATTENDED

- **G.Kalyani**, attended training the two week audit course on “**Intellectual Property Rights and Patents**”, organized by JNTUK Kakinada, during 16th – 30th May, 2014.
- **G.Kalyani**, attended training the two week audit course on “**Research Methodologies**”, organized by JNTUK Kakinada, during 1st – 15th May, 2014.
- **G.Suresh** attended Two Week(01-05-2014 to 15-05-2014) Audit Course on **Research Methodology** organized by JNTUK,Kakinada.
- **G.Suresh** attended Two Week(16-05-2014 to 30-05-2014) Audit Course on **Intellectual property and rights (IPR)**organized by JNTUK,Kakinada
- **Mr.M.Satish**, Asst.Professor attend a workshop on “**Research Issues in Information Retrieval (NRIIR 2014)**”held during May 2<sup>nd</sup> & 3<sup>rd</sup> , 2014. Workshop conducted by RVR & JC College of Engg.Chowdavaram, Guntur.
- **Ms.M.Suneetha**, Asst.Professor attend a workshop on “ **Research Issues in Information Retrieval (NRIIR 2014)**”held during May 2<sup>nd</sup> & 3<sup>rd</sup> , 2014. Workshop conducted by RVR & JC College of Engg.Chowdavaram, Guntur.
- **Mrs.M.Jyothi** attended a one day workshop on “**THE INTERNET OF THINGS CONNECTING A – S**” Conducted by C-DAC, Hyderabad on 13<sup>th</sup> July 2013.
- **Dr. M.Krishna Prasad** has attended and actively participated in the Short Term Course(QIP) on “**Advanced Chemical Process Design**” held at IIT Guwahati, organized by the Dept. of Chemical Engg. during July 8<sup>th</sup> -12<sup>th</sup> , 2013.
- **Mr. H.Joga Rao & Ms. G.Kalyani** have participated in the “**1<sup>st</sup> Annual International Conference & Industry – CCRS Congress (ICC) 2013**” held at Sanketika Vidya Parishad College of Engg. , Visakhapatnam, on July 13<sup>th</sup> – 14<sup>th</sup>, 2013.
- **Mr. P.Satya Sagar** has participated in the one day National Workshop on “**Industrial Water & Wastewater Management (NWIWWWM)**” held on 15<sup>th</sup> July 2013 at Dept. of Civil Engineering, University College of Engineering (A), JNTUK, Kakinada.
- **Dr. P. Sarada Varma** participated in “**Advanced Workshop on**

**Mathematical Epidemiology & Differential Equations (AWMEDE-2013)** held at Indian Institute of Technology Patna during July 8-13, 2013.

- **Dr.K.Gouru Naidu, Dr.K.Koteswara Rao, B.Nagamani Naidu, D.Tejeswara Rao and Ch.V.Kameshwara Rao** are attended a International Conference **“First Annual International Conference and Industry CCRS Congress (ICC) 2013”** conducted by Coastal Chemical Research Society, at Sanketika Vidya Parishat Engineering College, Visakhapatnam from 13-07-2013 to 14-07-2013.
- **Mr.R.Srikanth** attended a one day workshop on **“Safety in Chemical and Pharmaceutical Industries”**, organized by CCST, IST, JNTU H Kukatpally on 30<sup>th</sup> July 2014.
- **M.Srikanth** participated in Three day Workshop on **“Engineering Applications of Nanotechnology”** held during 6<sup>th</sup> -8<sup>th</sup> Aug 2014 at Dept. of Mechanical engineering, GITAM Institute of technology, GITAM UNIVERSITY, Visakhapatnam.
- **Ch.Srinivasa Rao and B.Lakshmana Rao** attended National workshop on **“English Language Teaching: A Blended Approach”** at Department of BS&H, Andhra University, Visakhapatnam on 18th August 2014.
- **Dr.D.Srinivas Kumar and Dr.K.V.S Prasad** attended a Two day workshop on CIP on 19<sup>th</sup> & 20<sup>th</sup> August 2014.
- **Dr.M.V.Subbarao, M.Srikanth, T.Ramprasad** attending Orientation Programme on **“Centre of excellence for e-Resource Development & Deployment an initiative”** of JNTUK Kakinada organized by GLOBARENA at University College of Engg, Vizianagaram on 26<sup>th</sup> Aug 2014.

## DEPARTMENT WISE ACTIVITIES

### Dept. of Civil Engg.

- Department of Civil conducted an event **“TECHNICAL VALENTINE”** under ISTE activity.

### Dept. of Chem. Engg.

- Department of Chemical conducted an event **“TECHNICAL VALENTINE”** under ISTE activity.

### Dept. of CSE

- Department of CSE conducted a **Prove Yourself, POSTER DESIGN, Information Security on Virtual Training Environment** under CSI students chapter.
- I.Srilakshmi & Ch.R.Vinod Kumar were conducted an event on **“GATE MOCK 2014”** on 19.07.2014.

### Dept. of ECE

- Under IETE students Forum conducted an Event on **“PICTURE PALETTE”** for III ECE on 6<sup>TH</sup> July 2014. Participants: 60. Winners: M.V Tharun Babu, P Prudhvi and D Rammohan Naidu. Runners : M C C Bhagyadev, Amara Sri Lavanya Ippili and B Sweta
- All the IIIrd & IVth B.Tech ECE students attend a Guest Lecture on **“Fundamentals of Antenna Design”** by **Mr. Jose Jacob**, Asst. Director, NIAR, Hyderabad on 25-06-14

### Dept. of EEE

- An event named **“TECH-T”** Conducted by EEE Dept. on 24th April, 2014 under Technical Hobby Club (SAC).

- An event named “**Photography**” Conducted by EEE Dept. on 27<sup>th</sup> April, 2014 under ISTE.

### Dept. of IT

- Conducted a event titled “**AKHOONMATH TATA**” under ISTE on 17.04.2014. by G.Satyakeerthi,Asst Professor – IT, winners are S.Geetha Krishna 12341A1250, B.Aruna, 12341A234 & Sandya.P, 12341A1244.
- Conducted a event titled “**Poster Designing on Green Computing**” on 26<sup>th</sup> April 2014 under CSI activity by M.Satish, Assistant Professor.winners Ms. M.Leela Rani 11341A1235 and M.Suresh 12341A1249.
- Conducted a sports event “**Skipping**” on 19/4/14 for Girl students. Winner are P.Sandya & V.Kavita.
- Conducted a sports event “**Cricket**” on 19/4/14.
- A Event is conducted on “**RISE THE SPARK**” under Literary club activity on 27.07.2013. Winner of the event P.Santosh kumar (11341A1240)
- Conducted a Guest Lecture on “**Pattern Reorganization**”. by Dr.R.Rajeswara Rao, Associate Professor, Dept of CSE JNTU Vizianagaram on 20.07.2014. at 9.30am

### Dept. of Mechanical Engineering

- Department of Chemical conducted an event “**TECHNICAL VALENTINE** “ under ISTE activity.

### Dept. of Power Engineering

- II - B.Tech students have visited “**Parry Sugar Division, Sankili**” on 2<sup>nd</sup> April, 2014.

## CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- Illrd B.Tech., Students(Mr IS Royal(11-349),Mr. G Sada Siva Reddy(11-344),Mr. J Vishnu Sai(11-351), Mr. A Venkatesh(11-302) & Mr. B Gopikrishna (11-310) are participated **NTTF Competition for B E Projects, Bangalore during 26<sup>th</sup> & 27<sup>th</sup> June, 2013 titled: Design & Fabrication of Six Legged Robot to Operate on Uneven Surfaces ( won the Gold Grade Prize worth Rs.25,000/-)**
- Illrd B.Tech., Students (Mr V V Rhit ,P.S D Purnima,R P S Sowmya,Y Sunanda,V Kasturi) are participated **NTTF Competition for B E Projects, Bangalore during 26<sup>th</sup> & 27<sup>th</sup> June, 2013 titled : Air Driven Engine**

## NEW RECRUITMENTS

- **K. TANUJA**, Asst. Prof. in CE

## Training & Placement

- Continuation for the 2014 batch – 235 were placed so far and 2015 127 is continue

The following companies visited for recruitments:

- \* TCS
- \* Cap Gemini
- \* IBM
- \* Infosys
- \* Birla Soft
- \* Wipro
- \* HCL Technologies
- \* Tech Mahindra
- \* iGatePatni



- \* BSPCL
- \* Persistent Systems
- \* L&T
- \* Honeywell
- \* GMR Power –NPTI
- \* Jayashree Chemicals
- \* AMDOCS

- I Yr – 2Hrs of workshop training on how to plan to become a successful engineer.
- II Yr- 4Hrs of training on team work, time management.
- III Yr- 6Hrs of training on softskills by JNTu in association with globarena.
- IV Yr- 6Hrs of training on softskills by JNTu in association with globarena.
- Aircraft Engineering- 6 Hrs of training on IELTS
- **III Yr-** 01Hr of training on Interview skills.
- **Major P.K Das** Head HR, Aditya Birla group addressed IV year Civil Engineering students
- 11Hrs of training on basic English and communication for all the III year students by CfBT
- Presently we facilitate Training ( for CAT, GRE ) through TIMES Classes for the students who want to go for further studies. It is conducted every Friday & Saturday.
- For GATE aspirants, initiation started 1<sup>st</sup> time for 3<sup>rd</sup> year students in which they will be undergoing a total of 200 hours of training in which 30 hours have been completed. As they move into Final year, the training will continue after the vacation and the remaining 170 hours will be completed accordingly.

## FORTHCOMING EVENTS

- A two day National workshop on “Wireless sensor Networks for health care & Environment Monitoring “ to be held in Nov-2014 by ECE department.
- Two day National Seminar on Green Fuel Technology (GFT-14) 12<sup>th</sup> -13<sup>th</sup> December, 2014.
- Stepcone-2015 will be in the month of January.