



**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, accredited by NACC Grade "A" 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**

- \* Academic delegate of JNTU, Kakinada, delivered an Expert Talk on **University Initiatives and Anti-Ragging related information** to 2nd B.Tech students.
- \* **28.06.2010:** Dr.P.N.Rao, Northern Iowa University, USA, delivered a guest lecture series in "**Manufacturing Sciences**" to Faculty of GMRIT.
- \* **From 10th to 14th May, 2010** JNTU conducted interviews at JNTU Kakinada and ratified 90 faculty members in different branches in different cadres.
- \* **On 3rd May, 2010:** Principal attended for a meeting with **Director NPTL**.
- \* **On 23rd May, 2010:** Principal attended private college management meeting at Visakhapatnam.
- \* **On 24th May, 2010:** Principal, attended admission committee meeting for BE aircraft Engg course at AU, Visakhapatnam.

- \* **On 28th May 2010:** Principal submitted a representation to **Chairman, AICTE** at New Delhi.
- \* Perth college Team was visited during 16th to 26th June 2010 and explored the possibility to offer MS in Environmental Engg.
- \* **On 19th June 2010:** JNTU Fact finding Committee visited for extension of affiliation to GMRIT.
- \* **From June 16th to 25th** Principal and the CAO visited Perth college, UHI Scotland UK.
- \* **17th July 2010:** The department of Mechanical Engineering conducted a Refresher program on **“Teaching Methodologies for Engineering Faculty”** by Dr.P.N.Rao, Professor, Department of Industrial Technology Northern Iowa University, USA.
- \* **3rd July 2010:** All the faculty members have attended a FDP on **“The New Beginning by One World Academy”** at GMRIT.
- \* **19th July, 2010:** Dr.CLVRSV.Prasad attended a TEQIP meeting at Hyderabad.
- \* **5th August, 2010:** Prof. Tammi Reddy, Vignan Institute of Technology, Visakhapatnam delivered a lecture on **“Data Mining And it’s Applications”** to IVth year IT & 3rd year MCA Students under ISTE activities.
- \* **6th August, 2010:** Dr. B. Srinivas, Professor, Department of Chemical Engineering, G.V.P. College of Engineering, Visakhapatnam delivered two guest lectures on **“Azeotrope Distillation and Selection Of Entrainer”** and **“Computational Fluid Dynamics”** to 4th and 3rd year chemical students.
- \* **7th August, 2010:** Mr.J.V.Murthy, Director, TIME, Visakhapatnam delivered two guest lectures on **“The Road ahead and the need to plan”** & **“The Various career options for Engineers”** to II & III B.Tech students.
- \* **10th August, 2010:** Mr.G.Tirumala Rao, Associate Professor, Gayathri Vidhya Parishad College of Engineering, Visakhapatnam delivered a Guest Lecture on **“Satellite Communication & Internetworking”** to 4th CSE students.
- \* **12th August, 2010:** Dr.R.Ramana Reddy, Department of ECE, MVGR College of Engineering delivered a Guest Lecture on **“Design Methodologies of Array Antennas”** for IV B.Tech ECE students.
- \* **17th August, 2010:** Dr B V Appa Rao delivered a lecture on **“Suitable Combustion strategy to make Tails with Alternate fuels to reduce emissions”** to Mechanical Students.
- \* **20th August, 2010:** 'Eplus Clubs' were launched in all departments of GMRIT.
- \* **26th August, 2010:** Dr.CLVRSV.Prasad and Sri.LM Laxman Murthy attended a meeting with JNTU VC at JNTUK.
- \* **27th August, 2010:** Prof. V.G.Patnaik, professor and Chairman, Placement, GITAM Institute of Management delivered a Guest Lecture on **“Electrical Demand Management”** to EEE students

## ACHIEVEMENTS

- \* 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.**

Environment organized by NMIET, Bhubaneswar.

## WORKSHOPS

- \* **31st May to 10th June, 2010:** GMRVF conducted a faculty development program in 4 phases for GMRIT Teaching Staff. Trainers were Mr.Pradeep KV, Mrs. Saraswathi Pradeep & Mrs.Nirmala Rao.
- \* **26 June 2010:** GMRIT conducted a workshop on “**Research Methodology**” by R.S.Sasidhar, Adjunct Professor, Chemical Engineering.

## ACADEMIC ACHIVEMENTS

### Technical Paper Publication in Conferences

- \* **11th June, 2010:** Mr.P.Devendra and Mr.TSLV.Ayya Rao presented a paper on “**Feedback Linearization of Separately Excited DC Motor**”
- \* Mr.M.Rambabu (EEE) presented a paper on “**Load Flow Studies with UPFC**”.
- \* Mr.G.I.Kishore (EEE) presented a paper on “**Sliding Mode Field Oriented Control of 3 Phase Induction Motor**” at national Conference held at Adam’s Engineering college, Khammam.
- \* **2nd July, 2010: Prof.N.B.Soni & TSLV Ayya Rao & B. Muralidhar** B. Muralidhar presented a paper on “**Compact ECG with 24 hours Monitoring and Storing Capacity**” at national conference at Anna Saheb Dange College of Engineering, Ashta-Sangli, Maharashtra.
- \* Mr.V.S.Rao & Ms.P.Kalpana presented a paper “**Adsorptive Removal of Zinc from Contaminated water by Adsorbent**” in the international symposium on Energy and

- \* S. Siva Kotaiah’s paper on “**Fault Detection and Diagnosis of an Induction Motor using Fuzzy Logic**” is accepted for presentation in International Conference at IEEE-8,SIBIRCON, Russia.

## PUBLISHED IN JOURNALS

- \* Mr. Srinivasan Nagaraj, Mr. G.Narasinga Rao & Mr. M.Ramachandra (CSE) published a paper in International Journal on “**A Comparative Study of IPv6 Statistical Approach**” - Computer Science and Engineering, Vol.2, No.4, 2010.
- \* Mr. Srinivasan Nagaraj (CSE) published a paper in International Journal on “**A Comparative Study of Forward Secure Public Key Method using HIBE and BTE**” - Computer Science and Engineering, Vol.2, No.4, 2010.
- \* Mr. A.Prasad (Chem) published a paper in International Journal on “**Biosorption of Cadmium: Equilibrium, Kinetics and Thermodynamics by Erythrina Variegata Orientalis Leaf Powder**” - Vol-2 on Number 2(2010), PP:173-180,
- \* Ms. P.Kalpana (Chem) published a paper in International Journal on “**Removal of Heavy Metal Iron from Aqueous solution using Conventional Adsorbents**” Vol-2 on Number 2(2010), PP:181-197.
- \* Ms. P.Kalpana (Chem) published a paper in International Quarterly Scientific Journal on “**Bisorption of Lead From Aqueous Solution by Terminalia catappa: Equilibrium and Kinetic Studies**” Vol-9 on Number 2(2010), PP:335-343.
- \* Dr.M.V.Subba Rao (BS&H) published a paper on “**Kinetics of Aqueous solution of Tris(oxalate)chromate(III) and Tris(malonate) chromate(III) from sulfuric Acid Solutions: A Solvent Extraction Study**, in Asian Journal of Chemistry, Vol.22 No.5(2010). 3771-3778,

- \* **P.Ramana** Published a paper on **IJRRAS** page no 170-176 “Design of the H-∞ controller for VSI fed PMSM drive” .
- \* Dr.M.V.Subba Rao (BS&H) published a paper on “**Neural Network Modeling Used As a Chemometric Tool for Kinetic Investigations**, *Asian Journal of Chemistry*, Vol.22 No8(2010). 5937-5950.
- \* Dr.M.V.Subba Rao (BS&H) **Kinetics of Substitution of CIS-Bis(Oxalato) Diaquo Chromate(III) With Glycine, DI-alanine and DI-Phenylalanine in Acid Medium**, *Asian Journal of Research in Chemistry*, Vol.3(2): April-June 2010, 442-446.
- \* Ms. P.Kalpna published a research paper on “**Problems Related to Processing of Manganese Ore Fines**” in International Journal Research India Publications, IJAES Volume 5, Number 4 (2010), PP.521-527 .
- \* Mr. S.N.Dash, Mr. R.Srikanth, Ms.P.Kalpna, Mr. V.S.Rao & Mr. P.S.Sagar, published a research paper on “**Alkylation of Benzene with Ethanol over modified zeolites**” in Journal Techno sight Volume 2, No.1, PP57-63.
- \* Ms. G. Kalyani published a research paper on “**Applicability of Freundlich and Longmuir Theory for Biosorption of Chromium from Aqueous Solution using Test of Sea Urchin**” in International Journal Research India Publications, ISSN 0975 – 6442 Volume 2, Number 2 (2010), pp. 139–148.
- \* Ms. G. Kalyani published a research paper on “**Biosorption Studies of Heavy Metal Ion on Echinoid**” in International Journal Research India Publications, ISSN 0975 – 6442 Volume 2, Number 2 (2010), pp. 149–157.
- \* Ms. G. Kalyani published a research paper on “**Adsorption of Zinc by Natural Adsorbent Bentonite – a Clay Material**” in International Journal Research India Publications, ISSN 0973-6077 Volume 5, Number 4 (2010), pp. 581–589.
- \* Ms. G. Kalyani & Mr. H. Joga Rao published a research paper on “**Biosorption of Lead from Aqueous Solutions using Egg Shell Powder as Biosorbent: Equilibrium Modelling**” in International Journal Research India Publications, ISSN 0973-2691 Volume 6 Number 6 (2010) PP. 911–920.
- \* Ms. G.Kalyani & Mr. H.Joga Rao published a research paper on “**Kinetic Studies on Biosorption of Lead from Aqueous Solutions using Egg Shell Powder**” in International Journal Research India Publications, ISSN 0973-2691 Volume 6 Number 6 (2010) PP. 957–968.
- \* Mr Shashikumar Totad & Mrs.Geeta R.B., Associate Professor has published a paper titled “**Batch Processing for Incremental FP-tree Construction**” International Journal of Computer Applications Vol.No.5, Aug 2010.
- \* Mr.P.Srinivasa Rao, Assistant Professor, dept of CSE, published a paper on “**Indexing for Efficient Term-Based Search Using Mapping Functions**” International Journal of Computer Applications Vol .4, No.8, Aug 2010.
- \* **22nd August, 2010:** Mr.BH.Arun Kumar, Physical Director attended a “**Physical Directors Meeting**” at JNTU, Kakinada.
- \* **6th and 7th August, 2010:** Mr K Koteswara Rao, Assistant Professor attended a Refresher Course titled “A Practical Unix TCP / IP Programming”, organized by AITAM, Tekkali..

## DEPARTMENT WISE ACTIVITIES

### Dept. of Civil Engg.

- \* Dr.G.V.Rao, Distinguished Professor of Civil Engineering, delivered an expert talk on “**New Technologies in Civil Engineering**” to 4th Civil Students.

### Dept. of CSE

- \* **5th to 7th May, 2010:** Department of CSE conducted a 3 day training program on **'MS.Office tools and SIS (EZ.School)'** for non-teaching staff.
- \* **13th to 15th July, 2010:** Department of CSE conducted a 3-day faculty workshop on **"IBM DB-II"**.
- \* Department of CSE conducted a various events like mock parliament, code cracking, technical quiz under **ISTE, CSI & IE.**

### Dept. of ECE

- \* **11th Feb, 2010:** Department of ECE conducted a **Cricket match** between faculty and students as part of students and faculty interaction.
- \* Department of ECE conducted a various events under **ISTE, CSI & IE.**
- \* **16th March, 2010:** Department of ECE conducted a **"Throw ball Event"** for students and staff.
- \* **12th August, 2010:** Department of ECE conducted a Volley Ball Tourney for Students and Staff.

### Dept. of IT

- \* **1st May, 2010:** Department of IT conducted a one day Training Program on **"MS.Office tools and LATEC"** for faculty of GMRIT.
- \* **23 July 2010:** Department of IT conducted a friendly cricket match between faculty and students.
- \* Department of IT conducted various events under ISTE & CSI.

### Dept. of EEE

- \* **24th July, 2010:** 3rd EEE students visited Garividi substation (220KV/132KV/33KV) as a part of Industrial visit
- \* Department of EEE conducted a various events under **ISTE, CSI & IE.**
- \* **25<sup>th</sup> July 2010:** Department of EEE conducted Shuttle Matches between IV -B. Tech Students & Staff Members.
- \* **7th August, 2010:** Industrial Visit: III-B-EEE Students visited the Garividi Sub-Station (220KV/132KV/33KV).

### Dept. of Chem. Engg.

- \* **29th and 30th July, 2010:** Dr.R.S.Sasidhar, delivered an expert talk on **"Oil Rigs Effects" "Air Polution"Impact on Environmental Engineering on Chemical Engineering"** to 2nd , 3rd and 4th Year Chemical students.
- \* Department of Chemical Engineering conducted various events under **ISTE & CSI**

### Dept. of Mechanical Engineering

- \* Department of ME conducted various events under ISTE & CSI.

## CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- \* **19.07.2010:** Mr.Ravi Teja, 3<sup>rd</sup> Civil represented, Visakhapatnam in Inter district **"Swimming Competition"** held at Secundrabad.
- \* **14th to 17th August, 2010:** M.Ravi Teja represented JNTU in all India inter university swimming competition held at University of Calcutta.

## NEW RECRUITMENTS

- \* **Dr.M.P.Srinivasa Rao**, Associate Prof, BS&H



- \* **Mr.K.Mohana Krishna Choudary**, Assistant Professor, Mechanical Engg.
- \* **Mr.Sivakotiah Shetty**, Asst.Professor, EEE.
- \* **Mr.M.Gangadhar**, Asst. Prof., Chemical.
- \* **Mr.P.V.Anil Kumar**, Assistant professor, Civil
- \* **Mr.L.V.Suresh Kumar**, Asst. Professor, EEE.
- \* **Mr. K. Santa Rao**, Asst. Prof., Mechanical.
- \* **Ms. S. Lalitha Kumari**, Asst. Professor, EEE.
- \* **Mr. G. Prem Kumar**, Asst. Prof., Mechanical.
- \* **Mr.Siva Gowri Prasad**, Asst. Professor, Civil.

## Training & Placement

- \* Total 132 students are placed 2010 passout batch

**The following companies visited GMRIT for recruitments:**

- \* M/s Honeywell,
- \* M/s Shreeram Value,
- \* M/s Mahindra Satyam
- \* M/s Navayuga
- \* **June 2010:** Training programs for 2nd and 3rd year B Tech students and 2nd and 3rd year students of GCSR Degree College by TPC initiated in the month of
- \* **16th July 2010:** Mr. KSG Raman COO of GMR Infrastructure visited GMRIT and addressed the Civil Engineering students.
- \* **20th July 2010:** Mr. AS Viswanathan, Global Head, Siemens IT Solutions & Services addressed the students of CSE, IT & ECE branches through video conference.
- \* **24th July 2010:** GMRIT conducted a workshop on “**Careers in Engineering**” at Rajahmundry in collaboration with **TIMES**.

## FORTHCOMING EVENTS

- \* International Conference On “Machine Intelligence Application to Power, Signal Processing, Communication and Control” (MIPSCON-2011) will be held on 7th– 9<sup>th</sup> April, 2011.

- \* SPICMACAY chapter of GMRIT is going to organize an event “Odissi Dance” performance by Ms Sujata Mishra, Bhubaneswar on 4<sup>th</sup> Oct 2010.



Principal Dr CLVRSV Prasad and CAO Mr L.M Laxmana Murty visit to Perth College UHI Scotland U.K



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