



**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, Hyderabad 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 648 students. It has seen five 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 in Power & Industrial Drives.

## **Courses Currently offered**

### **U.G. Courses**

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

### **P.G. Courses**

- M.Tech (Power & Industrial Drives)
- MCA

## **INSTITUTE RELATED**

### **10th ISTE Students National Convention**

**T**he 10th ISTE Students National Convention was hosted by GMRIT on 5th - 6th October, 2007. Under this conducted events like Paper Presentation, Techniqueal Quiz, Programming Contest and Project Exhibition. Around 410 participants are attended from various Institutions all over India. Various ISTE awards for best projects & best students chapters were presented in the convention.

GMRIT got a best overall performance Engineering College in the convention. ISTE President Prof. N.R. Shetty, Former President

Prof. R.S. Nirjar, Executive Secretary Prof. Ranjit Singh, Secretary cum Treasurer Prof. S. Vidyashankar and distinguish invitee Dr. L. Venugopala Reddy, VC, Andhra University as a Chief Guest and Dr. B.C. Jinga, Rector, JNTU Hyderabad, Sri C.G. Patil, Director (Commercial), Visakhapatnam Steel Plant as a Guest of Honours inaugurate the convention.



10<sup>th</sup> ISTE Inaugural function

Mr. P. Devendra attended the 3-day Train the Trainer Infosys Campus Connect Program on “Life Skills Deployment” on 26<sup>th</sup> – 28<sup>th</sup> Nov.2007.

All the faculty of EEE have attend the Guest Lecture on “Image Processing for Research” by Mr. K. Sreedhara Babu, Manager Operations, ARBUTUS, Computers & Consultants Pvt. Ltd, Pune on 12<sup>th</sup> Nov. 07.

All the Second Year students have attended the 2-day Workshop ( @ 3 hrs per day) on “Vedic Mathematics” by Mr. DHAVAL BATHIA, Trainer on Mind Power Techniques on 14-12-07 to 15-12-07.

Mr. R. Srikanth has attended the “Train the Trainers” Infosys campus connect “Life Skills Development” program from 26-28<sup>th</sup> November 2007.

A new Civil Laboratory Complex, consisting of survey stores, Concrete Lab, Highway Material Testing Lab, and Geotechnical Engineering Lab, is shifted on 29/08/2007

## ACADEMIC ACHIEVEMENTS

### Institute - Industry Interaction

- \* Dr.Vilas V.Karjinni is awarded Rajarambapu Patil National Award for Promising Engineering Teacher, 2007 in recognition of his outstanding contribution in the area of Innovations in Teaching/Curriculum, Organisation of Workshops/Seminars/Conferences & Continuing Education Programmes by Indian Society for Technical Education, New Delhi
- \* *Dr K. Alice Mary, awarded Fellow membership of IETE, New Delhi.*

### Technical Paper Published in Conferences:

- \* Accepted a paper in the 2<sup>nd</sup> International Conference on Computed communication Control & Instrumentation 3CI-2007, held at RVCE, Bangalore on Dec. 2007, titled “ A Generalized Approach to the Design of the Speed Control System for Investor-Driven Variable Reluctance Synchronous by Dr. K. Alice Mary & Prof. F.A. Naik.
- \* Accepted a paper in the IET-UK, International Conference on Information and Communication Technology in Electrical Sciences ICTES-2007, held at Dr. M.G.R University, Chennai on Nov. 2007 titled“ A Generalized Approach to the Design of the Speed Control system for inverter-Driven Permanent Magnet Synchronous Motor” by Dr. K. Alice Mary et.al.,
- \* Mr. D.G. Padhan, Asst. Prof. presented a paper in the National Conference on “*Deregulation and Power Sector reforms in electric power sectors: A Case Study in restructuring* ” organized by The Institute of Engineers (I), Pune on 23<sup>rd</sup> - 24<sup>th</sup> Nov. 2007.
- \* Dr.V.V.Karjinni presented a paper entitled “An Investigation on the Characteristic Properties of High Performance Self Compacting Concrete (with Fly ash, silica

- fume and metakaolin as mineral admixture) at International Conference on Recent Developments in Structural Engineering (RDSE-2007) at Manipal Institute of Technology, Manipal – 576 104 during 30<sup>th</sup> August – 1<sup>st</sup> September, 2007
- \* Dr. Y. Prasanna Kumar presented a paper on “Biosorption Studies of copper ions on *Ulva fasciata.sp.*” in National Symposium on Advances in Chemical Engineering held at University College of Technology, Department of Chemical Engineering, Osmania University, Hyderabad on 22-24<sup>th</sup> November, 2007.
  - \* Dr. Y. Prasanna Kumar presented a paper on “Biosorption lead from aqueous solutions by egg shell powder: Equilibrium and Kinetic Studies” in National Symposium on Advances in Chemical Engineering held at University College of Technology, Department of Chemical Engineering, Osmania University, Hyderabad on 22-24<sup>th</sup> November, 2007.
  - \* Dr. Y. Prasanna Kumar presented a paper on “Biosorption Comparison for modeling of Copper and Zinc onto *Tectona gradis L.F*” in National Conference on Current Trends in Chemical and Bio process Engineering held at Dept. of chemical Engineering , S.V.University, Tiripathi on 13-14<sup>th</sup> December, 2007
  - \* Dr. Y. Prasanna Kumar ,G.Kalyani, presented a paper on “Biosorption of copper ions on *Ulva fasciata.sp.*Equilibrium and Thermodynamic studies” in International Conference EMASS2020 held at Ujjain Engineering College,Ujjain on 26<sup>th</sup> & 27<sup>th</sup> December.
  - \* Mr.A.Prasad presented a paper on “Biosorption of copper using *cocos Nucifara.L*” in international conference CHEMCON–2007, held at Kolkata during 27th to 30th December.
  - \* Dr.V.V.Karjinni published a paper entitled “Effect of addition of steel fibers on strength properties of high strength concrete” at Second National Conference on Materials And Structures (MAST), Structures Division, Department of Civil Engineering, National Institute of Technology, Warangal-506 004, A.P., during 14–15<sup>th</sup> December, 2007.
  - \* Mr.V.K.Chakravarthi published a paper entitled “Evaluation of engineering behavior of randomly distributed Coir Fiber reinforced soil (CFRS)” at National Seminar on Recent Trends in Geotechnical and Structural Engineering (RTGSE-2007) conducted by MNIT, JAIPUR during December 22<sup>nd</sup> – 23<sup>rd</sup>, 2007.
  - \* Mr.P.Rama Mohan Rao and Mr.B.Sai Chakravarthy published a paper entitled “Mechanical Properties of Waste based Concrete” at National Conference on Sustainable Technologies for Better Tomorrow (NCSTBT-2007) conducted by VIT, Vellore during December 19 – 20<sup>th</sup>, 2007.
  - \* Mr.P.Rama Mohan Rao published a paper entitled “Experimental Studies on Mechanical Properties of GFRC with Fly ash” at National Conference on Materials and Structures conducted by NIT, Warangal during December 14<sup>th</sup> – 15<sup>th</sup>, 2007.
  - \* Mr.K.Rama Rao, P.Malleswara Rao & T.Narasimha Rao published a paper entitled “Design of Water Supply System for GMRIT Campus, Rajam a case study” at National Conference on Sustainable Technologies for Better Tomorrow (NCSTBT-2007) conducted by VIT, Vellore during December 19 – 20<sup>th</sup>, 2007.
  - \* Mr.K.Rama Rao, P.Malleswara Rao & N.V.S.K.Prasad published a paper entitled “Design of Water Supply System for Rajam Nagar Panchayat using EPANET Software” at National Conference on Soft Computing Application in Water Resources and Environmental Engineering Problems (NCSCAWREE-2007) conducted by Osmania University, Hyderabad during December 14 – 15<sup>th</sup>, 2007.

- \* Ms. Geeta RB, Associate Prof has attended & Presented a Paper titled “ Performance Enhancer of Website” in National Conference on Softcomputing Skills and its application at Anits Neerukonda Engg. College, Bhimunipatnam, Visakhapatnam on 21<sup>st</sup> & 22<sup>nd</sup> Dec. 07.
- \* Mr. A.Venkata Ramana, Associate Prof has attended & Presented a Paper titled “Data Mining Trends” in National Conference on Softcomputing Skills and its application at Anits Neerukonda Engg. College, Bhimunipatnam, Visakhapatnam on 21<sup>st</sup> & 22<sup>nd</sup> Dec. 07.
- \* Mr. G.Swain, Associate Prof has attended & Presented a Paper titled “Optimum Central frequency of CGF in texture segmentation” in National Conference on Softcomputing Skills and its application at Anits Neerukonda Engg. College, Bhimunipatnam, Visakhapatnam on 21<sup>st</sup> & 22<sup>nd</sup> Dec. 07.
- \* Mr. T.N. Shankar, Asst. Professor presented a paper in” National Conference on title “Cryptography for Mobile Devices” at SVICS College of Kadi, Ahmedabad, Gujarat on 6<sup>th</sup> & 7<sup>th</sup> October, 2007.
- \* Mr. M. Ramakrishna Murthy, Associate Professor, presented a paper in “National Conference on title” Challegnes of Clustering Techniques for High Dimensional Data” at ANITS College of Engineering, Visakhapatnam, on 21<sup>st</sup> & 22<sup>nd</sup> December, 2007.
- \* Prof. Shashikuamr Totad Professor, presented a paper in “National Conference on titled “ Peformance Enhancer of Websites” at ANITS College of Engineering, Visakhapatnam, on 21<sup>st</sup> - 22<sup>nd</sup> December, 2007.

#### **Technical Paper Published in Journals**

- \* Accepted a paper in the Indian Journal of Science and Technology (IJST), International Digital Publication, Nov. 2<sup>nd</sup> issue-2007 on “PC Based Control of Nonlinear Motor

Drive” by Dr. K. Alice Mary & Mr. P. Ramana.

- \* Accepted a paper in the Indian Journal of Science and Technology (IJST), International Digital Publication, Dec. 2<sup>nd</sup> issue-2007 on “Design and Implementation of the Speed Control system for A Variable Reluctance Synchronous Motor” by Dr. K. Alice Mary & Prof. F.A. Naik
- \* Dr. Y.Prasanna Kumar got incentiveof Rs.10000/- for Paper “ Biosorption of Zinc from Aqueous solution using *AZADIRACHTA INDICA* Bark: Equilibrium and Kinetic students” Published Journal of Hazardous Materials by Elsevier publisher.

#### **Workshops Attended**

- \* Miss A.L.Prasanthi of ECE attended Three Days Workshop on “Emerging Trends in Image , Video Communications, Standards and Protocols”, ‘AITAM WORD-07’ on 20<sup>th</sup>-22<sup>nd</sup> December, 2007 is organized by ECE, AITAM, Tekkali, Srikakulam District. A.P.
- \* Mr.J.Venkateswara Rao attended a Workshop on “Advanced Finite Element Analysis” on 20<sup>th</sup>-24<sup>th</sup> December, 2007 organized by Department of Civil Engineering, Gayathri Vidhya Parishad of Engineering & Gayathri Institute of Advanced Studies, Visakhapatnam
- \* Mr.V.K.Chakravarthi attended a Workshop on “Finite Element Analysis” on 15<sup>th</sup>-17<sup>th</sup> November, 2007 organized by Department of Civil Engineering, Andhra University, Visakhapatnam
- \* Dr.V.Viswanadham attended a two day National Workshop on “Geotechnical Challenges in Civil Engineering” on 1<sup>st</sup> and 2<sup>nd</sup> October, 2007 organized by Indian Geotechnical Society (I.G.S) of Visakhapatnam Chapter at Civil Engg.Dept. of A.U.Engg.College (A), Visakhapatnam.

- \* Mr.V.K.Chakravarthi attended a National Seminar on “Case Studies in Engineering Soils (CASES)” on 2<sup>nd</sup> October, 2007 organized by Department of Civil Engineering, JNTU-Kakinada.
- \* Dr.V.Viswanadham, Member, Technical Monitoring Committee participated in 6<sup>th</sup> Meeting of the Technical Monitoring Committee Cloud Seeding Operations-Indira Meghamadhanamu-2007 on 18<sup>th</sup> October, 2007 at JNTU Campus, Kukatpally, Hyderabad.
- \* Mr. Durga Prasad Dash , Asst. Prof. in English, Dept of BS&H attended a workshop on “Thought Structuring and English Language Communication held at JNTU, Hyderabad during 17<sup>th</sup> and 18<sup>th</sup> September 2007.
- \* Dr. R. Suryanarayana. Asso. Prof. in Maths, Dept of BS&H and Mr. R. Lakshun Naidu, Asst. Prof. in Maths attended the National workshop on “Real Time Engineering Applications of Mathematics (REAM 07)” organized by Vishnu College of Engineering during 1<sup>st</sup> and 2<sup>nd</sup> September 2007.
- \* Mr. D. Srinivasa Kumar,Asst. Prof. in MEFA, Dept of BS&H attended a two day workshop on “How to ‘Teach?’” in the subject of Managerial Economics and Financial Analysis conducted by JNTU, Hyderabad during 1<sup>st</sup> - 4<sup>th</sup> September 2007.
- \* Mr. D. Srinivasa Kumar,Asst. Prof. in MEFA, Dept of BS&H participated in the 60<sup>th</sup> All India Commerce Conference held at Osmania University, Hyderabad from 27<sup>th</sup> to 29<sup>th</sup> December 2007.
- \* Mr. B.Kishore, Asst. Prof has attended a 4 Day Special Training Program on “Faculty Enablement Program” in Infosys, Hyderabad from 18<sup>th</sup> December to 21<sup>st</sup> December,07.
- \* Mr. S.Upendra attend a two day workshop on “ Modern Computer Architecture “ at Chaitanya College of Engg.Visakhapatnam during 21<sup>st</sup> to 23<sup>rd</sup> December 07..

### **Intra - Institute Activities**

- \* CSE Department conducted Programme Contest for 10th ISTE Student convensional held on 5th - 6th October 2007.
- \* EEE Department conducted Paper presentation contest for 10th ISTE Student convensional held on 5th - 6th October 2007.
- \* Mechanical Department conducted Technical Quiz Contest for 10th ISTE Student convensional held on 5th - 6th October 2007.
- \* ECE Department conducted Project Exhibition Contest for 10th ISTE Student convensional held on 5th - 6th October 2007.

## **DEPARTMENT ACTIVITIES**

### **Dept. of Civil Engg.**

- \* Conducted Two day workshop on “Project Quality Control and Assurance” for UG Students on 14-15<sup>th</sup> December, 2007. Resource person being Prof. P.Udaya Bhaskar, JNTU College of Engineering, Kakinada.
- \* Conducted one day workshop on “Applications of PRIMAVERA” by Mr.V.Rakesh Kumar, Sr.Engineer, CADD Centre Software Sollutions Pvt.Ltd., Secunderabad for UG Students on 27<sup>th</sup> November, 2007.
- \* Conducted one-day workshop on” MapInfo Professional - Applications” by Mr.Munish Bajaj, Engineer-GIS, for UG Students on 27<sup>th</sup> November, 2007.
- \* Dr.P.S.N.Raju, Professor & Head of Department of Civil Engineering, A.U.College of Engineering (A), Visakhapatnam delivered a Guest Lecture on “Earthquake zoning and implication” for Pre & Final Year Civil Engineering students on 8<sup>th</sup> October, 2007.
- \* Sri K.Rama Rao delivered an expert talk on “Irrigation Engineering and Management” for UG students on 1<sup>st</sup> October, 2007.

- \* Prof. M.N.Sreehari of Advisor to Govt.of Karnataka & CEO of Consortia of Infrastructure Engineers has delivered five lectures on “Intelligent Transport System” for PGDIEM Students on 19<sup>th</sup> to 23<sup>rd</sup> November, 2007.
- \* Prof.M.N.Sreehari, Advisor to Govt.of Karnataka & CEO; Consortia of Infrastructure Engineers delivered a Guest Lecture on “Prospects for Civil Engineers in the near future” for UG Students on 24<sup>th</sup> November, 2007.
- \* Sri J.Venkateswara Rao, Asst.Professor, Dept.of Civil Engineering, GMRIT delivered an expert talk on “ISO Parametric Elements” for UG students on 03<sup>rd</sup> November, 2007.

#### **Dept. of Chemical Engg.**

- \* A guest lecture on “Alumini Interaction” by Mr. D.Kiran Kumar, Mr. Chirangeevi Alumni, to final year students on 20.09.07.

#### **Dept. of CSE**

- \* A Guest Lecture on “Application of Mathematics in Computer Science and Engineering” by Dr. N.B. Venkateswaralu, Director, RITCH Centre, Visakhapatnam on 30th October 2007.
- \* Computer Training programmer held on 8th - 10th October 2007 for Police Constables of Srikakulam Dist.
- \* A Guest Lecture on “Recent Trends in IT” by Dr. P.S. Avadani, Prof. Dept. of CSE, AU, Visakhapatnam on 20th November 2007.

#### **Dept. of ECE**

- \* A Guest Lecture on “ ROLE OF EMBEDDED SYSTEMS IN INFORMATION & COMMUNICATION TECHNOLOGY” by Sri K.Sreedhara Babu, Manager, Operations, ARBUTUS Computers & Consultants Pvt.Ltd. PUNE on 12-11-07 for 1st B.Tech ECE students.

- \* A Guest Lecture on “ Vedic Mathmetics” by Mr Dhavan Bathia , Trainer on Mind Power Techniques on 14th & 15th December 07 for 1st B.Tech ECE students.
- \* A Guest Lecture on “ Career Planning and Development” by Mr Ravi Krishnan, Adayana Expertise Development on 20th December 07 for III B.Tech ECE students.
- \* A Guest Lecture on “ Emerging Technologies in software” by Dr A.L.Rao,COO of M/s Wipro on 22nd December 07 for III B.Tech ECE students.

### **CO-CURRICULAR & EXTRA-CURRICULAR ACTIVITIES**

- \* K. Harsha, IV B.Tech (CSE) stood first in Weight Lifting Competition (50 kg category) held at Vizianagaram on 15 October 2007.
- \* Chanakya Gupta IV B.Tech (ECE) stood third in Weight Lifting Competition (60kg category) held at Vizianagaram on 15 October 2007.
- \* Tirumala IV B.Tech (CSE) stood fourth in Weight Lifting Competition (60kg category) held at Vizianagaram on 15 October 2007.
- \* Ravi Chandra IV B.Tech (Civil) stood fourth in Weight Lifting Competition (70kg category) held at Vizianagaram on 15 October 2007.
- \* Santhosh Kumar I B.Tech (Mech) represented Srikakulam district in Ball Badminton held at Nandyala on 3 November 2007.
- \* Satya Sagar I B.Tech (EEE) represented JNTU, Hyderabad in Kho – Kho in All India Inter- University Competition held at Gujarath on 30 October 2007.
- \* P.V. Sai Ram II B.Tech (ECE) represented JNTU, Hyderabad in Volley Ball in the Sport Meet, Andhra University on 2 December 2007.

- \* GMR IT Volley ball team comprising 10 members stood second in Sport Festival, Chaitanya Engg. College, Vishakapatnam.
- \* K.Usha, S.D.P.Prabhakar, D.Anil Kumar, K.Sunil presented a paper on “Biosorption – A Solution to Pollution ” in International Conference EMASS2020 held at Ujjain Engineering College, Ujjain on 26<sup>th</sup> & 27<sup>th</sup> December.
- \* Mr. Smruti Smarak Nayak (III-EEE) & Sathi Chaitanya (III-EEE) have presented a paper in the 10<sup>th</sup> ISTE students National Convention“ at GMRIT, Rajam on 5<sup>th</sup> & 6<sup>th</sup> October 2007 titled “Trends and Impacts in Technical Education through Web Based Learning”
- \* Mr. K. Rama Chandra Murthy (III-EEE) has presented a paper in the 10<sup>th</sup> ISTE students National Convention at GMRIT, Rajam on 5<sup>th</sup> & 6<sup>th</sup> October 2007 titled “ TQM in Technical Education to meet the Global Challenges”
- \* 3 students of ECE participated in National level Technical Exhibition in “Electroutsav’07” at School of Electrical Sciences, Vellore, Tamil Nadu, India on 18&19 October 2007.
- \* 25 students of Chemical engg participated in Paper Presentations, Project model Technical Quiz.
- \* Mr.T.Pehlaj, Mr. K.Parasuram, Mr. K.V.V. Deepak of chemengg has Participated in cricket team for Eenadu and Tata indicom champions cup.
- \* Mr. Ch. Sreenubabu, joined as Associate Professor in the Dept. of CSE in November 2007.
- \* Mr. K. Prasada Rao, joined as Asst. Profreesor in the Dept. of ME in November 2007.
- \* Ms. R. Madhuri, joined as Asst. Professor in the Dept. of CSE in November 2007.
- \* Mr. K.S.N.V. Prasad, joined as Asst. Professor in the Dept. of Chemical in November 2007.
- \* Mr. B. Niranjan Rao, joined as Asst. Professor in the Dept. of Chemical in November 2007.
- \* Ms. T. Kalpana, joined as Asst. Professor in the Dept. of ECE in November 2007.
- \* Ms. Sravani, joined as Asst. Professor in the Dept. of IT in December 2007.
- \* Ms. A. Suvarna, joined as Asst. Professor in the Dept. of IT in December 2007.
- \* Mrs. K. Kanakavardhini, joined as Asst. Professor in the Dept. of IT in December 2007.

## **NEW RECRUITS:**

- \* Mr. Joga Rao, joined as Asst. Professor in the Dept. of Chemical in September 2007.
- \* Mr. T. Ram Prasad, joined as Asst. Prof. in the Dept. of BS&H in October 2007.
- \* Mr. B. Satyanarayana, joined as Asst. Prof. in the Dept. of BS&H in October 2007.
- \* Dr. M. Giridhar & Mr. Ch. Prasad of TCS visited the Campus and addressed the Third & Final Year students on “IT in Business” on 13th September, 2007 as a part of their Acadmic Relations Program.
- \* A 3-day Training program for II year students on”Self Awareness & Career Planning “ by Trainers from Dolphin consultancy from 15th - 18th October, 2007.
- \* A 7-day customized Campus Recruitment Training Program was organized for all the III Year students from 25th Nov - 1st Dec’07. The program covered Quantitative Ability, Verbal Ability, & Logical Reasoning Ability was conducted by professional trainers from TIME, vizag.

- \* Mr. Krishna Rao Thota, DGM (HR) of Soma Enterprise Ltd., delivered a Talk on “Career Development” for III Year students on 28th November, 2007.
- \* 2 day Workshop on Vedic Maths, Memory Enhancement & Mind Power Techniques by Mr. Dhaval Bathia, Mumbai on 14th & 15th December ‘07 for III Year Students.
- \* Dr. A L Rao, COO of M/s Wipro will delivered a lecture on “Emerging Technologies in Software “ on 22.12.2007 for III B.Tech Students.
- \* 6 Students of ME are placed in M/S Keane.
- \* 5 Students of ME are placed in GMR Group.
- \* 4 Students of ME are placed in Infotech.
- \* 3 students of EEE are placed in M/s Keane.
- \* 5 students of EEE are placed in GMR Group.
- \* 2 students of EEE are placed in L&T.
- \* 3 Students of ECE are placed in Keane.
- \* 1 Student of ECE is place in Anthena.
- \* 3 Students of Chemical Engg are placed in M/S Essar Group.
- \* 6 Students of ME are place in Keane.
- \* 5 Students of CSE are placed in Keane.
- \* 5 Students of IT are placed in GMR Group.



10th ISTE Convention Inaugural by VC, AU, Vizag



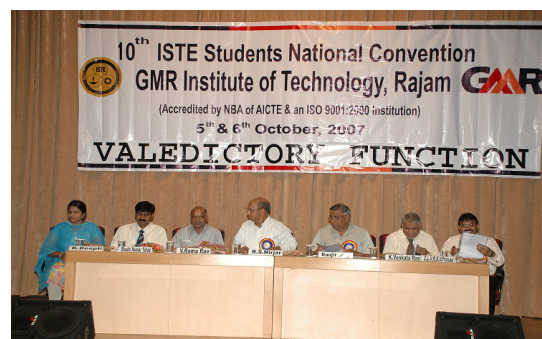
10th ISTE Convention Project Exhibition



10th ISTE Convention Participants



GMRIT got best overall performance award by an engineering college at 10th ISTE Convention



10th ISTE Convention Valedictory