



# GMARIT CAMPUS NEWS



A four monthly News Letter of

## GMAR INSTITUTE OF TECHNOLOGY

GMAR Nagar, Rajam - 532 127

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**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) 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 828 students. It has eleven batches of successful B.Tech graduates taking up positions as competent and responsible professionals in many reputed companies.

GMARIT offers 4 year B.Tech programs in seven core disciplines, 3 year MCA program and 2 year M.Tech programs in six 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)
- MCA

#### INSTITUTE RELATED

- Chemistry Laboratory conducted consultancy work relating to Quality of Water Test for Palakonda Nagar Panchayat in the 1<sup>st</sup> week of sept. 2013.
- **Sri Ambedkar**, Circle Inspector of Police department, Rajam visited our college and interact with 1<sup>st</sup> B.Tech 1<sup>st</sup> sem students in BS&H department seminar hall on 04.12.2013.
- **Dr. P. Kanta Rao**, Prof. & HOD, he has gone as M.E. Project Viva-voce External Examiner to A.U. College of Engineering (A), Andhra University, Visakhapatnam on 26th December, 2013.

#### 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
- 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.
- **Dr. M. Krishna Prasad** submitted a research project entitled **“Water quality assessment of freshwater sources of Srikakulam (India) with special reference to phytoplankton indicators”** to **Ministry of Forest & Environment”**, during October, 2013.
- **Dr.S.K.Behera, Ms. G.Kalyani & Dr. S.N.Dash** submitted a research project entitled **“Biochar Amendment in the Soil matrix for Simultaneous Remediation of Pesticide Contaminated Aquatic Ecosystems and Enhancement of Crop Yield”** on 30<sup>th</sup> October, 2013.
- **V Dhilleswara Rao** awarded M. Phil. in Chemistry from GITAM University, Visakhapatnam.

- **Dr. R.L .Naidu**, Assoc.Prof in Mathematics was appointed as a examiner for Ph.D Viva-voce at Amaravathi University, Maharashtra and conducted the viva- voce on 28<sup>th</sup> Sept 2013.

## WORKSHOPS

- **Prof. K.Chandra Mouli** department of Engineering Physics, A U visited BS&H department. He interacts with Physics faculty members on 07.12.13.
- **Mr.Chandrasahsan** B.Tech intern (IIT Madras) reported to Department for his internship programme (3 weeks) on 21.12.2013. He is given a task to upgrade B.Tech Lab manual

## ACADEMIC ACHIVEMENTS

### Technical Paper Publication in Conferences

- **Prof. Hung Such Park and Prof. Shishir Kumar Behera** have presented a paper entitled **“Role of Eco-Production in managing energy and environmental sustainability in cities – a lesson from Ulsan metro-polis”**, Silver Jubilee Conference on Cities and Sustainability organized by Indira Gandhi Institute of Development Research (An Advanced Research Institute and Deemed University Established by Reserve Bank of India), Mumbai during 29-30 October, 2013.
- **Prof. Shishir Kumar Behera** have presented a paper entitled **“Enhancement of eco-production capacity in Chittagong Export Processing Zone (CEPZ), Bangladesh employing Korean EIP**

- transition strategy**” Silver Jubilee Conference on Cities and Sustainability organized by Indira Gandhi Institute of Development Research (An Advanced Research Institute and Deemed University Established by Reserve Bank of India), Mumbai during 29-30 October, 2013.
- **7<sup>th</sup> July, 2012:** Mrs. P. Pushpalatha & Mr. Ch. Chakradhara Rao presented a paper **“The New Paradigm of Web Technology”** in the IETE Conference, at NSTL, Visakhapatnam.
  - **05<sup>th</sup> and 6<sup>th</sup> April, 2013;** Dr. M.V.Subba Rao & Mr.N.Santosh Kumar (BS&H) presented a paper on **“Physico Chemical Assessment of Quality of Underground Drinking Water in the Villages of Veeraghattam and Palakonda Mandals in Srikakulam District, Andhra Pradesh, India”** in National Conference at BITS Pilani, Hyderabad Campus.
  - **M.Ramakrishna Murty, J.V.R. Murty, P.V.G.D. Prasad Reddy, Anima Naik, and Suresh Chandra Satapathy** **“Performance of Teaching Learning Based Optimization Algorithm with Various Teaching Factor Values for Solving Optimization Problems”**, FICTA 2013, 14-16, November, 2013, Advances in Intelligent Systems and Computing 247, Springer International Publishing Switzerland 2014, pp. 207-216.
  - **M.Ramakrishna Murty, J.V.R. Murty, P.V.G.D. Prasad Reddy, Anima Naik, and Suresh Chandra Satapathy** **“Homogeneity Separateness: A New Validity Measure for Clustering Problem”**, CSI 2013, 13<sup>th</sup>-15<sup>th</sup> December,2013, Advances in Intelligent Systems and Computing 248, Springer International Publishing Switzerland 2014, pp. 1-10.
  - **R.Siva Ranjani, D.Lalitha Bhaskari, and P.S.Avadhani** **“Client-Side Encryption in Cloud Storage Using Langrange Interpolation and Pairing Based Cryptography”** CSI 2013, 13<sup>th</sup>-15<sup>th</sup> December,2013, Advances in Intelligent Systems and Computing 248, Springer International Publishing Switzerland 2014, pp. 473-480.
  - **J.Vasudeva Rao and A.Bhaskar Rao** **“Super Resolution of Quality Images through Sparse Representation”** CSI 2013, 13<sup>th</sup>-15<sup>th</sup> December,2013, Advances in Intelligent Systems and Computing 248, Springer International Publishing Switzerland 2014, pp. 49-56.
  - **R.Madhuri, M.Ramakrishna Murty, J.V.R. Murty, P.V.G.D. Prasad Reddy, and Suresh Chandra Satapathy** **“Cluster Analysis on Different Data Sets Using K-Modes and K-Prototype Algorithm”**, CSI 2013, 13<sup>th</sup>-15<sup>th</sup> December,2013, Advances in Intelligent Systems and Computing 249, Springer International Publishing Switzerland 2014, pp.137-143.
  - **S.Tarun and Ch.Sreenu Babu** **“Enabling Time Sensitive Information Retrieval on the Web through Real Time Search Engines Using Streams”**, CSI 2013, 13<sup>th</sup>-15<sup>th</sup> December, 2013, Advances in Intelligent Systems and Computing 249, Springer International Publishing Switzerland 2014, pp.697-705.
  - **Mr. T.S.L.V. Ayya Rao**, Asst. Prof, Presented a Paper entitled **“A New Direct Torque Control for Doubly Fed Induction Generator in Wind Power Generation: A Simulation Approach”** in IEEE International Conference on Renewable Energy and Sustainable Energy [ICRESE’13], at Karunya University, Coimbatore, Tamil Nadu, during 5<sup>th</sup> – 6<sup>th</sup> December, 2013.
  - **M.Eswararao**, published a paper titled **“The Popular campus vocabulary & Language”** in the 58<sup>th</sup> All India English Teacher’s conference on the theme New Dimenstions in English Studies at Andhra Univerisy, Visakhapatnam held on 27-29 December 2013.

- **P.Vamsi Sagar** attended and presented a paper titled “**Construction of sheaves by tolerance relations**” at International conference on Recent advances in Mathematical sciences and applications (RAMSA-13) at G V P college of Engg, Visakhapatnam during 19-22<sup>nd</sup> December 2013.
- **N.V.Lalitha** has presented the paper in International Conference titled “**DWT-Arnold Transform Based Audio Watermarking**” at IEEE PRIMEASIA 2013 held during 20<sup>th</sup> – 21<sup>st</sup> December at GITAM Univeristy, Visakhapatnam.
- **O.Kishore & B.M.S.Srinivasa Rao**, presented the paper in International Conference IEEE titled “**New Speech Enhancement Using Gamma tone Filters and Perceptual Wiener Filtering Based on Sub Banding**” at JP Institute of Information Technology, NOIDA, New Delhi from 12-12-2013 to 14-12-2013.
- **PNL Pavani, CLVRSV Prasad ,SV Ramana and K.Ramji** “**The Infuence of Array of Alternative Nan coatings on The Characterization of Wear Zones on the Rake Face of Tungsten Carbide Cutting Tools**” International Conférence on PRECISION, MESO, MICRO and Nano Engineering , Dec 13- 15 2013, NIT, Calicut Kerala, India.
- **S.K.Behera** presented a poster titled “**Optimization of coagulation-flocculation process for pharmaceutical wastewater treatment using response surface methodology**”, at an International Conference on Innovative Approaches for Food Security and Health Care for a Better Tomorrow (CHEMCON- 2013), IICET, Mumbai, 27<sup>th</sup> -30<sup>th</sup> Dec’, 2013.
- **V.Sumanth Chowdhary, P.Kalpana, A.Surya Kiran, P.King** entitled “**Removal of Malachite Green (MG) from Synthetic Solution**”, at an International Conference on Innovative Approaches for Food Security and

Health Care for a Better Tomorrow (CHEMCON- 2013), IICET, Mumbai, 27<sup>th</sup> -30<sup>th</sup> December, 2013.

- **Dr.K.V.S.Prasad** published a paper titled “**CRM: An Emerging Trend In Banking Sector**” 2013.ISBN No 978-1-63041-998-01, in International conference on Research in Marketing - 2013 at IIT Delhi during on 21-22<sup>nd</sup> December 2013.
- **Dr.K.V.S.Prasad** presented a paper (in-absentia) titled “**E-Banking: An Emerging Trend in Digital Era**” ISBN: 978-81-924713-5-8, in Eleventh AIMS International conference at IMT Ghaziabad, New Delhi during on 21-24<sup>th</sup> December 2013.
- **P.Vamsi Sagar , M P K Kishore and R V G ravikumar**, published a paper titled “**Construction of sheaves by tolerance relations**” at International conference on Recent advances in Mathematical sciences and applications (RAMSA-13) at G V P college of Engg, Visakhapatnam during 19-22<sup>nd</sup> December

## PUBLISHED IN JOURNALS

- **Mr.D.Arun Kumar & Mr.P.Ravi Kumar** “ **Interfacing a GPS Receiver to PC And Communicating Through RF Module**”, in International Journal of Research in Electronics & Communication Engineering Volume 1, Issue 1, July-Sep’ 2013, pp. 22-28.
- **Yamini Devi Y, M.V.Nageswara Rao, G.R.Locharla**, “**Design of 32-bit Carry Select Adder With Reduced Area**” International Journal of Computer Applications, Vol.75, No.2, August 2013, pp.47-52.
- **G.B.S.R Naidu, D.Suresh, Ch.Babji Prasad**, “**Improvement of Communication Reliabilty Over Noisy**

**Feedback System”** International Journal of Electronics and Communication Technology, Vol.4, Issue.3, July-Sept 2013.

- **J.Srinivasa Rao, G.Suresh** “**Performance analysis of full adders and its impact on multiplier design**” International Journal of Soft Computing and Engineering, Vol.3, Issue.4, September 2013, pp. 216-220.
- **K.B.V.Babu & Prof. B.I.Neelgar** “**Design of Energy Efficient Logic Using Adiabatic Technique**”, International Journal of Research in Computer and Communication Technology, IJRCCT, Vol-2, Issue No-9, September 2013.
- **R. Sivaranjani** Associate Professor published a paper titled “**A Novel Technique for Asymmetric Group Key Agreement for Dynamic Open Group Connection Networks**” in the International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 7, July 2013, pp:1279-1286.
- **Srinivasan Nagaraj** Assistant Professor published a paper titled “**A New Approach for Text Encryption Using ECC**”, in the CIIT International Journal of Data Mining and Knowledge Engineering, pp-3, August-2013.
- **G.Anuradha** Associate Professor published a paper titled “**Comparative Analysis of Weighted Page Rank Algorithms**”, Journal of Innovation in Computer Science and Engineering, Vol 3(1), P.No 36-41, July-Dec 2013.
- **K.B.V.Babu & Prof. B.I.Neelgar** “**Design of Energy Efficient Logic Using Adiabatic Technique**”, International Journal of Research in Computer and Communication Technology, IJRCCT, Vol-2, Issue No-9, September 2013.
- **Dr.V.Rambabu and Mr.Chiranjeeva Rao Seela** “**Micro Algae as the Dependable Source For Energy Security**” International Journal of Engineering Research and Technology (IJERT) Vol.2. issue -9 Pp:576 – 579, Sep 2013.
- **Mr.K.Prasada Rao, Dr.R. Umamaheswara Rao, Mr.S. Ravi babu and Dr.V. Rambabu** “**Optimization of performance parameters of a diesel engine fuelled with Biofuels**” International Journal of Thermal Technologies (IJTT) Vol.3. issue -3 Pp:85 – 92, Sep 2013.
- **Mr.P. Saichaitanya, Mr.K. Simhadri and Mr.G.Durgavamsimohan** “**Impact of cold and hot exhaust gas recirculation on Diesel engine**” International Journal of Research and Applications (IJRA) Vol.3. issue -5 Pp:430 – 434, Sep 2013.
- **Mr.K.Santha Rao, Dr.SV Ramana and Dr.CLRSV Prasad** “**Influence of solid lubricant emulsion on surface roughness of hardened steel when machining on shaper**” International Journal of Mechanical Engineering and Technology (IJMET) Vol.4. issue -5 Pp:63 – 70, Sep 2013.
- **Mr.G.Rama Krishna, Mr.Ch. Anil Kumar, Mr.P. Govinda Rao, Dr.V.chitti babu and Dr.SV Ramana** “**Finite element Analysis of Residual stresses in welded joints Prepared under Influence of Mechanical Vibrations**” International Journal on Mechanical Engineering and Robotics (IJMER) Vol.1. issue -1 Pp:85 – 89, Sep 2013.
- **Mr.U. Sudhakar and Mr.J.Srinivas** “**A stiffness index prediction Approach 3- RPR planar parallel Linkage**” International Journal of Engineering Research and Technology (IJERT) Vol.2. issue -9 Pp:2747-2752, Sep 2013.
- **Mr.U. Sudhakar and Mr.J.Srinivas** “**Design and analysis of X-Y-θ**”

- positioning stage based on redundant parallel linkage** “International Journal of Research in Engineering and Technology (IJRET) Vol.2. issue -9 Pp:371 - 377, Sep 2013.
- **Mrs. S. Lalitha Kumari, Asst. Prof, Published a Paper entitled “A Novel Technique for PMSM Drives to Estimate the High Resolution Rotor Position”** in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, Issue 7, on July, 2013.
  - **Mr. M. Vinay Kumar, Asst. Prof, Published a Paper entitled “Performance Analysis of Photovoltaic PWM Inverter with Boost Converter Using SIMULINK”** in International Journal of Technology and Engineering Science [IJTES] , Vol.1 (5), pp 401-404, ISSN: 2320 – 8007 on July, 2013.
  - **J.S.V. Siva Kumar, Asst. Prof, Published a Paper entitled “Model Reference Adaptive Control Based Parameters Estimation of Permanent Magnet Synchronous Motor Drive”** in International Journal of Application or Innovation in Engineering & Management (IJAIEM), ISSN 2319 – 4847, pp 267 – 275 Vol. 2, Issue 8, on August, 2013.
  - **M. Venkateswara Rao, Assoc. Prof, Published a Paper entitled “An Approach for Optimal Placement of UPFC to Enhance Voltage Stability”** in International Journal of Application or Innovation in Engineering & Management (IJAIEM), ISSN 2319 – 4847, pp 307 – 313 Vol. 2, Issue 8, on August, 2013.
  - **Dr. R. Suryanarayana and Ch. Gopala rao** published paper entitled **“Two-Point Kronecker Product Boundary Value Problems on time Scales”** International Journal of Advanced Computer and Mathematical Sciences, ISSN 2230-9624, Vol.4, Issue 3, 2013, pp 220-228.
  - **Dr.K Srinivas** published a paper on **“A complete analysis and dynamic simulations of Superconducting Quantum Interference Device (SQUID) Logic Gates”** in International Journal Of Advanced computer n Research (IJACR) ISSN (print):2249-7277 online :2277-7970, Vol.3 ISSUE 11, Sept. 2013.
  - **Dr.K Srinivas** attended and presented a paper on **“A complete analysis and dynamic simulations of Superconducting Quantum Interference Device (SQUID) Logic Gates”** in International Conference on Emerging Trends, Technology and Research (ICETTR-2013) conducted by IJACR on 21<sup>st</sup> & 22<sup>nd</sup> September 2013 at Nagpur, Maharashtra, India.
  - **Dr. V.Ramakrishna** has published Journal entitled **”Life Cycle Assessment Model for interated Solid Waste Management”** International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Vol: 2, Issue 9, September-2013.
  - **S.Ravi Babu, Dr. P.Ramesh Babu, Dr. V.Rambabu** **“Effect of some parameters on Thermal Conductivity of Nano fluids and Mechanisms of Heat Transfer Improvement”** International Journal of Engineering Research and Applications ( IJERA) Vol.3. issue -4 Pp:2136–2142, July-August,2013.
  - **Dr. V.Ramakrishna** has published a paper entitled **” Effect of Biot number in batch studies of adsorption”** International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Vol: 2, No. 10, PP: 587-595, October-2013.
  - **Mr. V.K.Chakravathi and Mr. S.S.G.Prasad** has published a paper entitled **“Index and Engineering**

- Properties of Spent Wash Blended Soils- A Comparative Study**  
International Journal of Research Engineering & Technology (IJRET)  
EISSN: 2319-1163, PISSN: 2321-7308,  
Vol: 2, Issue: 10 No. 10, PP: 194-197,  
October-2013.
- Ch.Babji Prasad, .D.Venkata Ramana, D.Y.V.Prasad and D.Suresh “**Multirate Algorithm for Acoustic Echo Cancellation**”, in International Journal of Research in Electronics & Communication Engineering Volume 1, Issue 2, October-December, 2013, pp. 114-119.
  - **D.V.Ramana, “Design of Low Power Negative Pulse-Triggered Flip-Flop with Enhanced Latch**”, IOSR Journal of VLSI and Signal Processing (IOSR-JVSP), Volume 3, Issue 3, September-October 2013, pp. 06-12
  - **N.V.Lalitha, “Audio Authentication and Copyright Protection using DWT and Arnold Transform**”, International Journal of Electronics and Communication Engineering (IJECE), Volume 2, Issue 5, November 2013, pp 121-128.
  - **D.Srinivasa Rao, “Design and Simulation of Pipelined FFT Processor Using FPGA**”, International Journal of Electronics Communication and Computer Engineering”, Volume 4, Issue 5, October 2013, pp 1361-1365.
  - **K.Chiranjeevi, “A Novel Traffic Tracking System Based On Division of Videos into Frames**” special issue of International Journal of Computer Science and Information, Volume 2, Issue 1, October 2013, pp 95-99.
  - **Ch.Babji Prasad, “Performance Analysis of Cell Search Scheme for OFDM cellular System**”, International Journal of for Engineering Research Technology, Volume 2, Issue 10, October 2013.
  - M.Vijaya Sekhar Babu, K.Santa Rao “**Investigation of mechanical behaviour of ilmenite based al metal matrix particulate composites** “ International Journal of Engineering Research and Technology ( IJMET) Vol.4. issue -5, Pp:111-115,September-October 2013
  - **S.Chiranjeeva Rao, D.Venkata Rao and M.Vyunkunta Rao “ Performance analysis of an air driven engine modified from si engine** “ International Journal of Engineering Research and Technology Vol.3 No.4 Pp:1440- 1447October 2013.
  - **G.V.S.S.Sharma, V.Jagadeesh “ Process capability improvement – a case study of an engine connecting rod manufacturing process** “ International Journal of Engineering Research and Technology ( IJMET) Vol.4. issue -5, Pp:116-129..September- October 2013.
  - **G.V.S.S.Sharma, V.Jagadeesh “ Process capability improvement – a case study of crank pin-bore honing operation of an engine connecting rod manufacturing process** “ International Journal of Advanced Research in Engineering and Technology ( IJARET) Vol.4. issue -6, Pp:84-97.,September- October 2013.
  - **K.Prasada Rao, M.Anil Kumar, R.Umamaheswara Rao “The six sigma approach to reduce specific roll consumption in medium merchant & structural mill**” International Journal of Research in Engineering Science & Advanced Technology [IJREST], Volume- 2, Issue-1, PP 120-129, ISSN: 2250-3676 Aug-Sep 2013.
  - **Ch.V.Kameswara Rao** published paper entitled “E-man part 4: Tutorial on prospects of charged system search (CSS) algorithm in chemical sciences” International Journal of applicable chemistry 2013, 2 (5): 1007-1034, ISSN 2278-1862,october 2013.

- **A.V.Ramana** Assistant Professor published a paper titled **“Reinforcement Learning Framework for Opportunistic Routing in WSNs”**, in the International Journal of Computer Science and Network, Volume 2, Issue 5, October-2013, pp. 19-23.
- **G. Neelima & S.Vani Kumari** Assistant Professors published a paper titled **“Mining Interesting Association Rules with Efficient Data Mining (EDM) Technique”** International Journal of Engineering Research & Technology(IJERT), Vol. 2 Issue 10, pp. 467-472.
- **S.Vani Kumari & G. Neelima** Assistant Professors published a paper titled **“An Efficient Image Cryptographic Technique by Applying Chaotic Logistic Map and Arnold Cat Map”** International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol.3, Issue 9, September 2013, pp.1210-1214. (IF 2.080).
- **G. Neelima & S.Vani Kumari** Assistant Professors published a paper titled **“ A Stock Market Forecasting Model Based on Adaptive Neuro-Fuzzy Inference Systems”** International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol.3, Issue 9, September 2013, pp.1266-1272. (IF 2.080).
- **P. Pushpalatha**, Assistant Professor attended International Conference on **“Memory Based Approach to Mine Frequent Patterns”** Institute of Research and Journals(IRAJ), pp.189-192. International Conference on computer Science and Mechanical Engineering(ICCSME), 20th Oct 2013.
- **P. Pushpalatha**, Assistant Professor attended International Conference on **“Knowledge Discovery Model to Discover Pattern for Text Mining”** Institute of Research and Journals(IRAJ), pp.25-28. International Conference on computer Science and Mechanical Engineering(ICCSME), 27th Oct 2013.
- **Yerramsetty Abbulu, G.Venkata Rao, P.Kalpana**, **“Hydro Chemical Analysis for the Coastal Belt of Srikakulam Région”**, International Journal of Engineering Science and Innovative Technologies (IJESIT) Volume 2, Issue 5, September 2013.
- **P.S. Chaitanya, K.Simhdri & G.Vamisi Durga Mohan** **“Experimental Investigation on Impact of Hot and Cold Exhaust Gas Recirculation on Diesel Engine with Centane Improver“** International Journal of Current Engineering and Technology ( IJCET) Vol.3. No. -5, ISSN 2277-4106 1<sup>st</sup> December, 2013.
- **U.Arun Kumar** has published a paper entitled **” Studies on Polymer Modified Bitumen – A Laboratory Approach”** International Journal of Civil Engineering Research (IJCER) ISSN: 2278-3652, Vol: 4, No. 2, August-2013.
- **U.Arun Kumar** has published a Pollution Research Paper entitled **” Bulk utilization of flyash lime sodium silicate mixes in geotechnical applications”** Vol.32, Issue 02, 2013; Page No: 353-356
- **Srividya Kotagiri** Assistant Professor published a paper titled **“Water Marking Scheme for Color Images”**, International Journal of Emerging Trends & Technology in Computer Science(IJETTCS), Vol.2, Issue 5, Sep-Oct 2013, pp.179-182. (IF 2.524 by ISRA:JIF).
- **D.S.B.Chowdary** attended and presented a paper on **“English skills for Employability”** in International Conference on Teaching English for Employability conducted by Annammal College of Education, Tuticorin, Tamilnadu. on 21<sup>st</sup> & 22<sup>nd</sup> November 2013 .



- **Mr.N.Sridhar**, Associate Professor attend a International conference on **“A Stylometric Investigation Tool for Authorship Attribution in E-Mail Forensics,, ICT and Critical Infrastructure: Proceedings”** in the 48th Annual Convention of Computer Society of India- Vol II, Advances in Intelligent Systems and Computing ,Springer International Publishing, Volume 249, 2014, pp 543-549.
- **Mr.G.Swain** published a paper Titles **“Steganography in Digital Image Using Maximum Difference of Neighbors Pixel Values”** in International Journal of security Its Applications, Vol.7, No.6, Page 285-294 (Scopus Index) IF=0.167.
- **D.Arun Kumar**, **“Design and development of Tappered Spiral Helix Antenna for Broadband Applications”**, in International Journal of Science Engineering and Advance Technology, IJSEAT, Vol1, Issue 4, September – 2013, pp. 80-85.
- **GBSR Naidu & V.Jagan Naveen**, **“ADAPTIVE CHANNEL EQUALIZER FOR WIRELESS COMMUNICATION SYSTEMS”**, International Journal of Electronics and Communication Engineering (IJECE) ISSN(P): 2278-9901; ISSN(E): 2278-991X Vol. 2, Issue 5, Nov 2013, pp. 159-166.
- **P. Devi Pradeep**, **“Design and Implementation of low power Floating Point Multiplier”**, IOSR Journal of Engineering (IOSRJEN) e-ISSN: 2250-3021, p-ISSN: 2278-8719 Vol. 3, Issue 11 (November. 2013), ||V1|| PP 49-57.
- **Ch.V.Kameswara rao** attended and presented a paper titled **“Computational Quantum Chemical (CQC) studies of isonicotinic acid hydrazide,its valence isomers and their isopropyl derivatives”** in National seminar on Modern Trends in Chemical Science (MCTS-2013) at Acharya Nagarjuna University, Guntur during on 20-21<sup>st</sup> December 2013.
- **Dr. G.Venkata Rao “ Hydro Chemical Analysis for the Costal Belt of srikakulam Regian”** International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 5, September – 2013, pp 397-402.
- **B.Jyotsna and V.K.Chakravarthi and 2013, “Improvement in CBR Performance of High Plastic Soft Subgrade by Placing Stiffer Aggregate Overlying Layer - A Lab Study”** International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 12, December – 2013, pp 3262-3265.
- **Ch.V.Kameswara rao** attended and presented a paper titled **“Computational Quantum Chemical (CQC) studies of isonicotinic acid hydrazide,its valence isomers and their isopropyl derivatives”** in National seminar on Modern Trends in Chemical Science (MCTS-2013) at Acharya Nagarjuna University, Guntur during on 20-21<sup>st</sup> December 2013.
- **K.Prasada Rao and BV Appa Rao “Investigation on Emission Characteristics of An Indirect Injection ( IDI ) Diesel Engine Replacing Conventional Diesel with neat Mahua Methyl Ester (MME) Blended with Methanol as an Additive“** International Journal Engineering Research and Technology ( IJERT) Vol.2. Issue. –II, PP 3462 – 3471, Nov, 2013.
- **K. Prasada Rao and BV Appa Rao “Combustion and Emission Analysis of IDI - Diesel Engine Operating with neat Mahua Methyl Ester (MME) Blended with Methanol as an Additive“** International Journal Engineering Research and Applications ( IJERA) Vol.3. Issue. 6, PP 1642 – 1649, Nov- Dec 2013.

- **GVSS Sharma and P Srinivasa Rao** “Processing Capability Improvement of an engine connecting rod machining process“ Journal of Industrial Engineering International (Springer) 9,37 2013

## WORKSHOPS ATTENDED

- **Prof. B.I.Neelgar , Mr. P.M.K.Prasad & AK Rout** have participated in Workshop for “Training Resource Persons on Outcome Based Accreditation-Phase I” conducted by **NBA Nodal Centre at JNTUK University College of Engineering, Vizianagaram** on 13<sup>th</sup> and 26<sup>th</sup> to 28<sup>th</sup>.
- **Sep, 2013 Prof. B.I.Neelgar & Mr. P.M.K.Prasad** have participated in Workshop for “Training Resource Persons on Outcome Based Accreditation-Phase II” conducted by **NBA Nodal Centre at JNTUK University College of Engineering, Vizianagaram** on 26<sup>th</sup>-28<sup>th</sup> September 2013.
- **Mr. V.Jagan Naveen** has participated in the Two Day National Workshop on “Advances in Signal Processing (NWASP-13)” during August 30,31 2013 conducted by **Andhra University, Visakhapatnam**.
- **Mr.G.Manmadha rao** has participated in the Two Day National Workshop on “Advances in Signal Processing (NWASP-13)” during August 30,31 2013 conducted by **Andhra University, Visakhapatnam**.
- **Mr. G.V.S.S. Sharma, Assistant Professor & Mr. M. Vykunta Rao, Assistant Professor** attending National Workshop on “Research Methodology in Science, Engineering and Management” on 26<sup>th</sup> to 28<sup>th</sup> of September, 2013 at **National Institute of Technology, Calicut**.

- **Mr. P. Saicahitanya** “Periodic simulation for fluid flow in tubes using CFD “ National conference at **Mallareddy Engineering College** on **20 to 21 Sep-2013**.
- **Dr. D. Krishna Rao and Dr. V S S R Gupta** attended a One Day workshop on “Continuing Improvement Projects (CIP)” 18<sup>th</sup> September 2013 at **GMRIT, Rajam** conducted by **GMR Group**.
- **Mr.N.Santhosh Kumar** attended a National Workshop on “Primary Computational methods for Chemical Research” during on 20-21<sup>st</sup> September 2013 sponsored by **TEQIP-II at Dept. of Chemistry, NIT Warangal**.
- **S. Vani Kumari** Assistant Professor attended International Conference on “Black Listing Misbehaving Users While Maintaining Anonymity and Backward Unlink ability”, in the International Conference on Innovations in Computer Science and Engineering (ICICSE-2013), held at **Guru Nanak Institutions Hyderabad, 20-21 Sept 2013**
- **R. Sivaranjani** Associate Professor attended International Conference on “An Efficient Asymmetric Data Classification using ILLR Approach” in the International Conference on Innovations in Computer Science and Engineering (ICICSE-2013), held at **Guru Nanak Institutions Hyderabad, 20-21 Sept 2013**.
- **Mr. Venkata L N Sastry and Mr.K.Chiranjeevi** attended a International Conference on “Recent Trends in Communication and Computer Networks with title “Analysis of Blockman window using Fractional Fourier Transform” on October 8<sup>th</sup> and 9<sup>th</sup> 2013.
- **Dr.D Krishna Rao, Ch Gopal Rao, M Eswara Rao, K R Surendran, Dr.B Satyanarayana, T Ramprasad, V**

- Dhilleswara rao and Dr. M P Srinivasa rao** attended a Workshop on “**Outcome Based Education & Accreditation**”, during on 31st Oct, 2013 to 21st Nov, 2013.
- **G. Satish**, Assoc. Prof, **L.V. Suresh Kumar**, Asst. Prof, **M. Vinay Kumar**, Asst. Prof, have Attended a Two Day Workshop on “**Research Methodology**” conducted by GITAM Institute of Technology, GITAM University during 16<sup>th</sup> – 17<sup>th</sup> November, 2013 at Visakhapatnam.
  - **T.Geethamma** has participated in the Two Day National Workshop on “**Research Methodology**” during November 16<sup>th</sup> and 17<sup>th</sup> 2013 conducted by GITAM University, Visakhapatnam.
  - **J.Venkata Suman** has participated in the Two Day National Workshop on “**Research Methodology**” during November 16<sup>th</sup> and 17<sup>th</sup> 2013 conducted by GITAM University, Visakhapatnam.
  - **N.V.Lalitha** has participated in the Two Day National Workshop on “**Research Methodology**” during November 16<sup>th</sup> and 17<sup>th</sup> 2013 conducted by GITAM University, Visakhapatnam.
  - **A V Ramana**, Associate Professor Attended a 5Day national workshop on “**Simulation and protocol implementation using NS-2 for Wireless Technology**” from 27th Dec to 31st Dec-2013 at Lendi college of engineering Vizianagaram
  - **Mr.G.Satyakeerthi**, Assistant Professor attend a Workshop on “**Data Mining for BIO Informatics**”, Andhra University, Visakhapatnam on 21-22 December 2013.
  - **Mr. J.S.V. Siva Kumar**, Asst. Prof. has participated in the five day training program on “**Advanced Micro Controllers**” jointly organized by Department of Electrical Engineering, Andhra University college of Engineering (A) and Electrical Engineering Directorate, NSTL, Visakhapatnam as part of the NSTL – CARS project, during 19<sup>th</sup> – 23<sup>rd</sup> December, 2013 held at Department of Electrical Engineering, A.U. College of Engineering (A), Andhra University, Visakhapatnam
  - **G.Kalyani** participated in a one-day national workshop on “**Effects of Emissions & Effluents on Environment(EEEE-2013)**”, conducted by Andhra University on 24<sup>th</sup> December 2013.
  - **Dr.S.N.Dash**, attended a National Workshop titled “**Effects of Emissions & Effluents on Environment(EEEE-2013)**”, conducted by Andhra University on 24<sup>th</sup> December 2013.
  - **V.K.Charavarthi** and K.Ramu 2013 “Effect of transverse Pull in reinforcement on stability of reinforced embankment on Non-homogeneous soft ground” Proceedings of Indian Geotechnical Conference, IGC 2013, conducted at IIT Roorkee, Roorkee during 22 to 24<sup>th</sup> December 2013.
  - **Dr. Shishir Kumar Behara**, Faculty of Chemical Engineering had attended to present a project entitled “**Methane Production by Anaerobic Co-Digestion of Pineapple Processing Based Wastes with Dairy Cattle Slurry**” to Department of Science & Technology (DST) (Ref. No: SB/S3/CE/078/2013) during 26-09-2013 to 28-09-2013, Cochin, India.
  - **Dr. Surya Narayan Dash**, Faculty of Chemical Engineering had attended a webinar on “**High Resolution LC-MS for the Analysis of Leachable and Extractable**” on Thursday, 26th September 2013 conducted by Select Science at Science House, Church Farm Business Park, Corston, Bath, BA2 9AP UK.

## DEPARTMENT WISE ACTIVITIES

### Dept. of Civil Engg.

- **7<sup>th</sup> & 8<sup>th</sup> June, 2012:** Department of Civil conducted a program training all the faculty on **usage of Total Station and DGPS** by M/S Janak Positioning Surveying Systems, New Delhi

### 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.
- Conducted a guest lecture by **Mr. YUKTESH Ch.** - IT-Specialist, IBM Academic Initiative - India **From IBM**, Hyderabad. on the topic **“MOBILITY AND ITS APPLICATIONS”** to third & final year Students on 28<sup>th</sup> Nov. 2013 (Thursday).
- Conducted a Guest Lecture on **“Skills needed to Excel in IT / ITES industry”** By Rajavel Sekaran, Director – IBM Kenexa . on 23.12.2013 for II Year B.Tech & MCA students.

### Dept. of ECE

- Department of ECE & EEE conducted a refresher and training program for lab technicians.
- 23<sup>rd</sup> and 24<sup>th</sup> April, 2013: department of ECE conducted a 2 day workshop on

**“Mentor graphics frontend and backend design tool“** for M.Tech DECS & VLSIES students by **G.Suresh**, Department of ECE, GMRIT and **Balu Dastagiri**, Tredent Techlabs Pvt Ltd., Hyderabad.

### Dept. of EEE

- Teaching workshops conducted by EEE Dept. to EEE Dept. faculty, during 20<sup>th</sup> – 24<sup>th</sup>, August 2013.
- P. Devendra, Assoc. Prof, G. Satish, Assoc. Prof, J.S.V. Siva Kumar, Asst. Prof, T.S.L.V. Ayya Rao, Asst. Prof, conducted a Teaching workshop on **“PSPICE” & “MATLAB”** for EEE Dept. faculty, by on 22<sup>nd</sup> August ,20
- Under **ISTE Events** a Guest Lecture Conducted by EEE Dept. for III & IV B.Tech EEE Students on 01-08-2013.

### Dept. of IT

- A workshop is conducted for faculty on **“ MAT Lab”** by G.Swain under CSI Banner on 13<sup>TH</sup> & 14<sup>TH</sup> August.
- Given a lecture **“An over view“ Research Methodology”** by G.Swain, Associate professor. Under ISTE banner on Date 16.08.2013.
- Conducted a Guest Lecture on **“Skills needed to Excel in IT / ITES industry”** By Rajavel Sekaran, Director – IBM Kenexa . on 23.12.2013 for II Year B.Tech & MCA students.

### Dept. of Mechanical Engineering

- Internal Faculty Development Program on “**AutoCAD Based Engineering Drawing Practice**” by **Dr.Vikas V. Chaudhari**, Department of Mechanical Engineering, BITS -Pilani , K K Birla Goa Campus, Goa at Seminar Hall, Block 4 (for Theory), CAD Lab (for Practical sessions) 24<sup>th</sup> – 25<sup>th</sup>October, 2013.

## CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- **Ms. B Lalita** of III B.Tech has attended **SCHEMCON-2013** at MVGR College of Engineering, Vizianagaram, during September 14<sup>th</sup> & 15<sup>th</sup>, 2013.
- Dr.D.Krishna Rao, M. Eswara Rao, Dr K Srinivas, T.P.Dash, P Eswaraji, M Srikanth, T Ramprasad, K R Surendran, D Tejeswara rao, Dr B Satyanarayana, Dr VSSR Gupta, Dr K Koteswara rao, P Vamsisagar, Dr P Sarada Varma. Conducted an awareness programme on “**Academic Regulations**” for all 1<sup>st</sup> B.tech 1<sup>st</sup> Semester students during 26<sup>th</sup> & 27<sup>th</sup> October, 2013.
- **3 students** from 1<sup>st</sup> B.Tech 1<sup>st</sup> Sem students are attended a One Day Youth Convention on **Swami Vivekananda 150<sup>th</sup> Birth Anniversary** during 6<sup>th</sup> November 2013 at Hotel Grand, Srikakulam.
- **27 students** from 1<sup>st</sup> B.Tech 1<sup>st</sup> Sem are participated in **Elocution Competition** in Institute level National Education Day celebrations on 11<sup>th</sup> & 12<sup>th</sup> Nov 2013.
- **30 students** from 1<sup>st</sup> B.Tech 1<sup>st</sup> Sem are participated in **Essay Writing Competition** in Institute level National Education Day celebrations on 11<sup>th</sup> & 12<sup>th</sup> Nov 2013.
- **ISTE:**  
**II, III & IV B.Tech. Essay Writing on 01.11.2013 at 2.00p.m.**  
**Winners:** B. Lalita (11341A0826)  
**Runners:** G. Mounika (12341A0810)
- **II, III & IV B.Tech. Elocution on 01.11.2013 at 2.00p.m.**  
**Winners:** Moses P. (11341A0829)  
**Runners:** D. Joshna (12341A0809)
- **II, III & IV B.Tech. Group Discussion on 16.11.2013 at 2.00p.m.**  
**Winners:** A. HariPriya (11341A0804)  
**Runners:** Gangadhar (11341A0839)
- **P. Mythili**, Faculty Coordinator for **SAC Activities, have conducted “Geopbyte”, at 3.30 to 4.30 PM on 15<sup>th</sup> November 2013.**  
 No. of Students Participated: 56  
**Winner:** I. Ravi Teja (11341A0818)  
**Runner:** Santosh Kumar(11341A0845)
- **62 students** From III ECE attended workshop on “**MICROELECTRONICS**” at Department of System Design, Andhra University, Visakhapatnam on November 9, 2013.
- **Majji Naresh Kumar & Kantigari Sai Charan Reddy** Two Students attended in workshop Title named “**Mobile app Workshop**” on 10/11/2013 at Krify Software Technologies (P) Ltd., Kakinada.
- **G.Manoj Raja** Admn No. 12341A0337 & **A.Venkatesh** of II B.Tech (2012 Batch) are participated in the event of “**Battle of the Bands at DhanaK 2013**” the Annual Cultural Festival of the **Indian Institute of Space and Technology, Thiruvananthapuram** held from 20<sup>th</sup> to 23<sup>rd</sup> September, 2013.
- **B. Amrita** (Alumni of Chemical Engineering from 2009-2013 Batch) bagged **1<sup>st</sup> prize in poster presentation** on all India basis for the paper titled “**Optimization of coagulation-flocculation process for pharmaceutical wastewater treatment using response surface**”

- methodology**", at International Conference on Innovative Approaches for Food Security and Health Care for a Better Tomorrow (CHEMCON- 2013), IICET, Mumbai, 27<sup>th</sup> -30<sup>th</sup> December, 2013.
- One day workshop on "**The Six secrets of success**" for 1<sup>st</sup> B.Tech 1<sup>st</sup> Sem students of all sections by **Syed Noor Mohamed Shakir** from 18<sup>th</sup> dec 2013 to 21<sup>st</sup> Dec 2013 at Auditorium, GMRIT, Rajam.
  - II B. Tech III Semester students A. Pavani Atchuta Kumari-12341A0301, G. Pragma Priyanka-12341A0334, K. K. Nikitha-12341A0350, K. Bhanu Kiran-12341A0348, M. Vishal-12341A0371, MS. Pawan-12341A0362, M. Sai Ram-12341A0366, N. Navya-12341A0375, PSR. Chaitanya-12341A0387, S. Alekhya-12341A0395, S. Chandini-12341A0396, M. Sushma-12341A03B4, V. Mohit-12341A03B7 attended a Workshop on "**Embedded Robotics**" Technozion'13 at NIT Warangal.
  - 72 members of II-B.Tech (EEE-A) students have visited "**Parry Sugar Divison, Sankili**" on 21<sup>st</sup> December, 2013.
  - 74 members of II-B.Tech (EEE-B) students have visited "**Parry Sugar Divison, Sankili**" on 28<sup>th</sup> December, 2013.
  - **Mr.G.Tirupathi Rao**(Captain), 4<sup>th</sup> EEE, Represented JNTUK in the All India Inter University Ball Badminton tournament, Venue: Alagappa University, \_Karaikudi, Tamilnadu from 20 to 24<sup>th</sup> Dec, 2013.
  - **Kho-Kho team** Represented JNTUK in the All India Inter University tournament, Venue: Calicut University Kerala from 20 to 24<sup>th</sup> Dec, 2013.
  - **Ms. Keerthi**, 3<sup>rd</sup> EEE, got 4<sup>th</sup> Place & represented Andhra in National Badminton champion ship, Bilai from 19<sup>th</sup> to 23<sup>rd</sup> Nov, 2013.
  - **Mr.G. Phani chaitanya**, 3<sup>rd</sup> EEE, represented JNTUK in the inter university Hand ball tournament at Bharathidasan University, Thiruchirappalli, Tamil Nadu State from 20<sup>th</sup> 24<sup>th</sup> Nov, 13.
  - **P.K.V.N.V.S.S. Prakash**, 3<sup>rd</sup> Chem, **S. Karthik**, 3<sup>rd</sup> Mech & **Rupesh**, 2<sup>nd</sup> CSE represented JNTU Kakinada Football (Men) Team which will take part in the South Zone Inter-University Football (Men) Tournament to be organized by Mahatma Gandhi University, Kottayam, from 19-12-13 to 24-12-13.
  - **Mr.Reuben**, 3<sup>rd</sup> Mech, represented JNTU Kakinada Hockey (Men) Team which will take part in the South Zone Inter-University Hockey (Men) Tournament to be organized by Sri Krishnadevaraya University, Ananthapur, A.P State from 09-12-13 to 13-12-13.
  - **K. Azharuddin**, 2<sup>nd</sup> ECE, **G. Kavya**, 2<sup>nd</sup> EEE represented JNTU Kakinada Badminton (Men & Women) Teams which will take part in the South Zone Inter-University Badminton (Men & Women) Tournament to be organized by Manipal University, Manipal, Karnataka State from 15-12-13 to 19-12-13.
  - **Mr.Moses**, 3<sup>rd</sup> Chem, selected for JNTUK inter university , Taekwondo championship will be held at Sathyabama University, Tamil Nadu from 8<sup>th</sup> to 12<sup>th</sup> Jan, 2014.
  - Anti ragging committee (for Outside) meeting conducted by Dr. K. Gouru Naidu on 03.12.2013 at 4PM. Dr.CLVRSV Prasad, Principal addressed to member s of Anti ragging committee (for Outside).

## NEW RECRUITMENTS

- **K. Bhaskar Rao, Sr. Asst. Mech**

## Training & Placement

- Continuation for the 2012 batch - 289 and 2013 batch – 194 placements as on Nov – 2013.

### The following companies visited for recruitments:

- \* TCS
- \* IBM
- \* Infosys
- \* Birla Soft
- \* Wipro
- \* HCL Technologies
- \* Mahindra Satyam
- \* iGatePatni
- \* BSPCL
- \* Persistent Systems
- \* LnT
- \* Honeywell
- \* GMR Power –NPTI
- \* Jayashree Chemicals
- \* AMDOCS
- 56 Hrs of Campus Recruitment Training for Final year students of 2013 batch.
- 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

- STEPCONE-14 to be held on 7<sup>th</sup> & 8<sup>th</sup> February, 2014.
- CSI Student fest to be held on 7<sup>th</sup> & 8<sup>th</sup> March, 2014.
-