

# GMRIT CAMPUS NEWS



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## About GMRIT

[www.gmr.it.org](http://www.gmr.it.org)

GMR 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.

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

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

## Courses Currently Offered

### U.G. Courses:

- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- 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)

## Achievements

- GMRIT is rated four AAAA category by Career 360, 2018
- GMRIT is in 4th Position among top engineering colleges, survey by Competition Success Review (CSE), 2018
- Received CSI National Level "Best Accredited Student Branch Award" on Jan. 21, at Science City, Calcutta
- Received a Grant of Rs. 100 Lakhs under the scheme of Funds for Improvement of Science and Technology infrastructure (FIST) from DST for the development of research laboratories in the departments of Mechanical Engg., ECE, CSE, and EEE.
- Awarded as Second Most Clean Campus in India in "AICTE Clean Campus Award 2017". The Chief Operating Officer (COO), Mr. Laxman Murthy received the award on October 2, 2017 at College of Engineering, Pune.
- Ranked 79th position among top T-Schools at National Level and 51st position in the South Zone by The Week Magazine 2017.
- Ranked 4<sup>th</sup> in the State of AP, 22<sup>nd</sup> in the category of Outstanding Engineering Colleges of Excellence and 62<sup>nd</sup> position at National Level by CSR-GHRDC
- GMRIT ranked 42nd All India and 1<sup>st</sup> in AP out of Top 83 Engg. Colleges by Data Quest-CMR Best Technical School Survey, June, 2017.
- GMRIT ranked 11<sup>th</sup> in Top 13 private Engg. Institutes rankings by All India Times and Perpetual Survey, June, 2017 .
- GMRIT ranked 22nd All India and 4<sup>th</sup> in AP out of Top 13 Engg. Colleges by GHRDC - CSR, June, 2017.
- GMRIT ranked 79<sup>th</sup> in India & 51<sup>st</sup> in South zone among top private Engineering Colleges by The Week, June, 2017
- Ranked in the band of 151-200 by NIRF- MHRD
- Ranked 3rd in Andhra Pradesh and 67th across the country by Education World Magazine, May 2017
- Rated "AAAA" among best engineering colleges in A P by Careers 360, May, 2017.

- Ranked 3<sup>rd</sup> in AP and 67<sup>th</sup> India's Top 100 Private Engineering Colleges Survey done by Education World, May, 2017"
- GMRIT Ranked 31<sup>st</sup> in National Ranking across India and 3<sup>rd</sup> in AP Ranking given for top 50 colleges and Rated "AAAA" Rating given 36 colleges, South zone, Andhra Pradesh by Digital Learning

## Institute Related

- Dr. Radhakant Padhi, Dept. of Aerospace Engineering, IISC, Bangalore delivered a guest lecture on 05<sup>th</sup> January, 2018 for 8<sup>th</sup> sem Students, topic covered by "Kalman Filter and its Applications"
- Conducted a guest lecture by Mr. Setty Sai Prasad, Performance Engineer, PAYPAL, USA on the topic "Big Picture of IT Industry" to 6<sup>th</sup> and 4<sup>th</sup> Semester Students on 6<sup>th</sup> January, 2018
- Guest Lecture by Mr. Ramesh Chandak, Principal Program Manager, Microsoft on 11th Jan-2018 for both students and Staff.
- Guest Lecture on "Introduction on Networking" by Mr. Mr.G.Sunil Kumar, Senior Manager Product Management Engineer, AppViewX, Bangalore, Karnataka from 11.30 am-1.00 p.m. on 19-01-2018 at Auditorium
- Conducted a guest lecture by Mr. G V S M Siva Kumar, Sr.Manager, (HRD) Nuclear Fuel Complex on the topic "Motivation for BARC against their notification" to 8<sup>th</sup> Semester Students on 25<sup>th</sup> January, 2018;
- Dr G Thirumala Rao, submitted a DST-Nano mission project titled "Development of novel photocatalytic materials for removal of pollutants from the waste water to reduce their impact on environment" Rs.30lakhs.in Jan-2018.
- Dr D.Tejeswararao, completed and submitted final report to UGC titled "Diversity And Oriented Synthesis Of Imidazo (1,2 A) Pyridine Analogues For Anti-Cancer And Anti Cand Ida Studies" on 25.01.2018.
- VIII semester students attended Guest lecture Mr.G.V.S.M.Siva Kumar, Sr.Manager (HRD), Nuclear Fuel Complex topic " Motivation for BARC" on 25<sup>th</sup> January 2018 10.45 AM at Auditorium.
- Conducted a Guest Lecture on "Guidelines on Industrial Engineering" From 02.00 PM to 04.00 PM on 30-01-2018 for 2nd, 3rd and 4th year Civil Engineering students by Dr. K.G.Rao, Technical Specialist (Geotechnical Engineering – Oil and Gas Industry) Petrofac International Limited, UAE
- CSE & IT Staff attended a Seminar on "BLOCKCHAIN TECHNOLOGIES" organized by the CSE Dept. on 29<sup>th</sup> January, 2018. Name of the Guest Sri Vijay Kumar V, Chief Technology officer, CANOPUS SOFTWARE, USA.
- Eight Students (Third year) from the Department of CSE are qualified for the "Google India Scholarship Challenge 2018" organized by UDACITY.
- Dr. B. Prasada Rao, Former Chairman and Managing Director, Bharat Heavy Electricals Limited visited the

- campus and addressed the students and faculty on February 17, 2018
- Organized a guest lecture for the members of faculty on "Motivation Theories and Managing Students' Concerns and Anxiety" by Prof. V. Siva Kumar, Adjunct. Professor, Univ. of Maryland System of Colleges and Universities, Washington, D.C., USA scheduled on February 24, 2018
- Conducted a guest lecture by Dr. K. Raghava Rao, Professor & HOD, Dept. of E & CS, K L University, Vijayawada on the topic "Wireless Sensor Networks & IoT Applications" to 6<sup>th</sup> Semester Students on 17<sup>th</sup> February, 2018
- Conducted a guest lecture by Mr. Arpan Chatterjee, Business head - IT, The Hindu Group & Mr. Sridhar Aranala, National head - Circulation, The Hindu Group on the topic "Digital Marketing / Digital Media and its Impact on Social Life" to 4<sup>th</sup> Semester Students on 22<sup>nd</sup> February, 2018
- Sri Prasada Rao Bontha, Chairman and Managing Director, Bharat Heavy Electricals Ltd., delivered Guest Lecture on 17<sup>th</sup> Feb.2018 for 6<sup>th</sup> Sem A & B Section titled "Engineering Challenges in Power Sector"
- Sri G.Satya Prasad, Manager (Elec.& Automation) Jindal Steel and Power Ltd., Odissa delivered Guest Lecture on Automation Perspectives in Steel and Power Plants on 22<sup>nd</sup> Feb.2017 for 4<sup>th</sup> Sem Students
- Sri Kranthi Kumar Battula, Manager(Elect) Paradeep Refinery India Oil Corporation Ltd., Paradeep, delivered a Guest Lecture on Electrical Engineers Role in Oil Refineries on 22<sup>nd</sup> Feb.2017 for 4<sup>th</sup> Sem Students
- Sri Namasivaya Asapu, Engineering Manager(Drive Solutions Primetals Technologiges GmbH, Germany delivered a Guest Lecture on Global Opportunities and Challenges in Industries on 23<sup>rd</sup> Feb.2018 for 4<sup>th</sup> Sem Students
- Mr. K.Koteswara Rao, Sc/Eng-F, Deputy Head, SRE Division (SHAR) ISRO, Sriharikota delivered a Guest Lecture on "Control Systems Design and its Real World Applications on 24<sup>th</sup> Feb.2018 for 4<sup>th</sup> Sem Students
- Dr. Laxman Prasad, Director RKG Group of Institutions and Former Adviser, DST, visited the campus and addressed the faculty on March 3, 2018
- Achievers day held on March 9, 2018. Sri. G. D. Sharma, Principal – Beeline HR Advisory, Chennai and Sri. Harsh Raj Jain HR Manager (People Resource Center & Human Capital Management, EBIX Software), Dr. M. Gopala Krishna, Psychology Dept., University College of Education, Rajahmundry. Sri. V. SrinivasaRao, Dept. of English, Govt. Degree College, Ramachandrapuram, East Godavari attended the function and distributed the citation for the students participated in other premier institutions and won prizes
- Shri. P. Jawaharlal Nehru, Psychologist, Advocate, Corporate Trainer - NLP, Practioner & Motivational Speaker from VIHE, Hyderabad addressed the students of

second year on "Motivational Talk through SVCHE" on March 15, 2018

- The department IT organised a Five day workshop for faculty on "Cloud Computing and Open Stack" on March 12-15, 2018
- Sports Day and Annual Day held on March 17, 2018 Ms. B. Likhitha, Junior International Boxer is the chief guest for Sports Day and Dr. P. Uday Bashkar, Chairman APPSC is the chief guests for Annual Day
- Dr. Malobika Karanjai, Scientist 'F', ARCI, Hyderabad addressed the faculty and students on 'The World of Composites - conventional and Niche Applications' on March 20, 2018
- Sri. Chinajiyar Swamiji along with our Group Chairman visited the campus and addressed the students on March 31, 2018



- Dr. M.Gangadhar has been elected as MEMBER of IEI( membership no: M-160596-2
- Mr. Manish Biswas, State HR Head, Andhra Pradesh& Karnataka and Mr. S.Mariappan-State Business, Head, Andhra Pradesh, Suzlon are giving the Guest Lecture for VI Sem students. Topic covered "Orientation on wind mill industry& career Opportunities" on 14<sup>th</sup> March,2018
- Organized 5K Run at Rajahmundry on April 14, 2018
- Dr R Priya Vaijyanthi & Dr V Prasad from CSE dept organized a Seminar on topic "Blockchain Technologies" by Shri Valaboju Vijay Kumar, Chief Technical Officer, Canpous Software, USA on 29th Jan 2018.
- Department of CSE and IT organized Two Day National Level Workshop on "Data Analytics and Machine Learning" during April 26 - 27, 2018



## Academic Achievements

### Technical Paper Publication in Conferences

- Mrs. V.Vasudha Rani has presented a paper entitled "Efficient Tool for Diabetes Tracking through Layered Classification (Bigrams) Approach" in the Internal Conference on University Computing Communications and Data Engineering (CCODE-2018)" Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati-517502 at Feb 7<sup>th</sup> - 8<sup>th</sup>, 2018
- Lakshmi Naidu, from dept MECH presented a paper on "MechanicalBehavior of Layered Silicate Composites from Nagavali river", International Conference on Advances in Materials and Manufacturing Engineering (ICAMME 2018) held at Acharya Nagarjuna University, Guntur on 22-24 January 2018
- Mr.S.Ravi Babu from dept MECH presented a paper Titled "Stability Analysis of Aquatic Alumina Nanofluid using TAGUCHI Design of Experiments" at International Conference on New Frontiers in Engineering, Science, and Technology (NFEST-2018), at Delhi Technological University , New Delhi from 8th to 12th January 2018.
- K. Chiranjeevi, U. R. Jena, SAR Image Compression using Adaptive Differential Evolution and Pattern Search based K-Means Vector Quantization, Image Analysis & Stereology, 2017. (Accepted), (UGC List No: 15414), Abstracting/ Indexing: Science Citation Index Expanded (SCI) (Impact factor: 1.135).
- K. Chiranjeevi, U. R. Jena, M.V.Nageswara Rao, "Image Compression based on adaptive Image Thresholding by maximizing Shannon and Fuzzy Entropy using Teaching Learning Based Optimization" is under review in Int. J. of Advanced Intelligence Paradigms (IJAIP), INDERSCIENCE publishers, (UGC List No: 16315), SCOPUS.
- P. M. K. Prasad, G. Sasi Bhushana Rao, M. N. V. S. S. Kumar, K. Chiranjeevi, "Design and implementation of non-perfect reconstruction biorthogonal wavelets for edge detection of X-ray images", Int. J. Data Science, Vol. 3, No. 1, 2018 INDERSCIENCE.

## Published in Journals

- Mr K Ravibabu, Asst.Prof. from Maths has published a paper on "Coupled fixed and coincidence point theorems for generalized contractions in metric spaces with a partial order" ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS (IJPAM)– N. 39–2018 (434–450).
- Tummala Ayyarao SLV, Ravikiran Inapakurthi, and P V Ramanarao. "Observer based sliding mode frequency control for multi-machine power systems with high renewable energy", Journal of Modern Power Systems and Clean Energy, 1-9, January 2018.(Indexed in: SCI) (ISSN: 2196-5420)
- Mr. G.Satya Keerthi has published a journal title "A Trusted-Community Based Framework for-Collaborative /filtering Recommender systems" international Journal of Engineering and Applied Sciences 12(22): 6095-6103,2017,ISSN: 1819-949X
- J. Kalpana, P. Srinivasa Rao, P. Govinda Rao, "Influence of Amplitude on the tensile Strength of Welded Joints fabricated under Vibratory weld conditioning", Journal of mechanical engineering research and developments, Volume-39, No.3, pp- 757-762, 2016. ISSN: 1024-1752, Indexed in Scopus.
- J. Kalpana, P. Srinivasa Rao, P. Govinda Rao," Effect of Frequency on impact Strength of Dissimilar weldments produced with vibration", International Journal of Chemical Sciences, Volume-14, Issue-3, pp- 1797-1804, 2016. ISSN: 0971-768X, Indexed in Scopus.
- G.V.D. Mohan, Srinivas Kona, A. Lakshmu Naidu, "A small-scale fabrication facility for extraction of alternative diesel fuel from waste plastic", International Journal of Mechanical and Production Engineering Research and Development, Volume-8, Issue-1, pp- 521-530, February 2018. ISSN: 2249-6890, Indexed in Scopus.
- Mr.S.Ravi Babu: "Buoyancy Induced Natural Convective Heat Transfer along a Vertical Cylinder using Water/Al<sub>2</sub>O<sub>3</sub> nanofluids", Journal of Thermal Science and Engineering Applications, ASME January 2018.
- Dr K. Gouru Naidu K. Sudha Rani , B. Srinivasb,, K.V. Ramesh, Removal of copper by adsorption on treated laterite, International Journal ,Materials Today, Vol. 5, pp 463-469, February 2018.
- D. Tejeswararao, RECYCLABLE AND REUSABLE CATALYZED SYNTHESIS OF IMIDAZO [1, 2-A] PYRIDINES, International Journal of Mechanical Engineering and Technology, Vol. 9, Issue 2, pp 367-372, February 2018.
- D. Tejeswararao, RECYCLABLE AND REUSABLE IONIC LIQUID CATALYZED SYNTHESIS OF DIHYDROPYRIDINES, International Journal of Mechanical Engineering and Technology, Vol. 9, Issue 2, pp 360-366, February 2018.
- Dr.Raja Murugadoss, Mr. J and Naveen Kumar Shanagam, 2018, "Recycling of Waste Tire Rubber Deposits In Airfield Runway: A Review". International Journal of Civil Engineering & Technology (IJCIET), Vol.9, Issue No.2, pp.275-295, February 2018. (Scopus Indexed) (ISSN Print: 0976-6308 and ISSN Online: 0976-6316).
- V.Srinadh, Assistant Professor, "Dynamic and Collaborative Group Key Generation with Ternary Tree based Queue-Batch Algorithm", International Journal of Pure and Applied Mathematics, Vol. 117, No. 20, pp. 795-807, 2017. (ISSN 1311-8080) (Indexed in SCOPUS) (IF:0.635).
- M. Balajee, Assistant Professor, "Underwater Wireless Sensor Networks", International Journal on Informatics Visualization, Vol.2, Issue 1, pp. 10-12, February, 2018.(ISSN: 2549-9904,e-ISSN: 2549-9610).
- Premkumar M, Sowmya R, "Wind power forecasting using artificial neural network", International Journal of Pure and Applied Mathematics, Vol. No.118, Issue No.11, pp 145-152, February 2018. (Indexed in: Scopus) (ISSN No.:1311-8080)
- Premkumar M, Siva Kumar JSV, Vijaya Krishna R and Sowmya R, "Design, analysis and fabrication of solar PV powered BLDC hub motor driven electric car", International Journal of Mechanical and Production Engineering Research and Development, Vol. No.08, Issue No.01, pp1255-1270, February 2018. (Indexed in: Scopus) (ISSN No.: 2249-6890)
- M. Vinay Kumar, U. Salma, "A novel fault ride-through technique for gridconnected Photo Voltaic energy systems", International Journal of Ambient Energy, Vol. No.xx, Issue No.xx,pp 1-11, Feb 2018,(Impact Factor: xx; SJR: 0.3) (Indexed in : ESCI & SCOPUS) (Print ISSN: 0143-0750 Online ISSN: 2162-8246) <https://doi.org/10.1080/01430750.2017.1421581>
- Balamurali Gunji ,B.B.V.L.Deepak , M. V. A. Raju Bahubalendruni , Bibhuti Bhushan Biswal, " An Optimal Robotic Assembly Sequence Planning by Assembly Subsets Detection Method Using Teaching Learning-Based Optimization Algorithm", IEEE Transactions On Automation Science And Engineering, Published online first. ISSN: 1545-5955, Indexed in SCI, Scopus.
- Dr.G.Sasi Kumar: "Development of a Decision support system for solar panel selection using integrated analytic hierarchy process and grey relational analysis" International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Vol.8, Issue 1, on Feb2018, 1097-1106.
- M P Srinivasa Rao and Vivek Singh, Impact of eccentricity of air hole on bending loss in photonic crystal fibers, INTERNATIONAL JOURNAL OF MICROWAVE AND OPTICAL TECHNOLOGY, Vol.13, issue 2, March 2018, pp. 175-180.(Scopus Index)
- M P Srinivasa Rao, INFILTRATION MATERIALS FOR PHOTONIC CRYSTAL FIBERS: A REVIEW, International

- Journal of Mechanical Engineering and Technology, Vol. 9, Issue 2, February 2018, pp. 570–579.(Scopus Index)
- P Vamsi Sagar, Interanational JOurnal of mathematical Archive " Construction of sheaves of Algebras via tolerances" Volume-9, Issue:03, March 2018, 142-147, ISSN 2229-5046, Index: UGC approved Journal
  - K. Kumaraswamy, A.Manickam, A common fixed point for two self-maps on G-metric space, Vol Issue 2, pp. 74-79, March 2018.
  - Aditya Kumar Sahu, Assistant Profesoor, published a paper titled "Digital Image Steganography Using Bit Flipping", Cybernetics And Information Technologies, Vol. 18 , No.1, pp. 69-80, March 2018. (Print ISSN: 1311-9702, Online ISSN: 1314-4081).(SJR = 0.203, SNIP = 0.546, cite score = 0,60) (Indexed in SCOPUS and ESCI)
  - Veerraju Gampala, Assistant Professor, published a paper titled "Effective Multi-Keyword Ranked Search Over Encrypted Cloud Data Using BMS Tree in Cloud Computing", Journal of Adv Research in Dynamical & Control Systems, Vol. 10, Issue 3, pp. 45-55, March, 2018. (Indexed in SCOPUS) (ISSN 1943-023X).(IF:0.14)
  - Balajee Maram, Assistant Profeessor, published a paper titled "A Block Cipher Algorithm to Enhance the Avalanche Effect using Dynamic Key-Dependent S-Box and Genetic Operations", International Journal of Pure and Applied Mathematics, pp.399-417, March, 2018. (ISSN 1311-8080 (P),ISSN 1314-3395 (O)), (Indexed in SCOPUS).
  - Dr. S.S. Gantayat, Associate Professor, published a paper titled "Development of TTS Engine for Indian Accent using Modified HMM Algorithm", Vol 2, No 2, pp.92-95, 2018. (e-ISSN : 2549-9904 ISSN : 2549-9610, (Indexed in Google Scholar, Index Copernicus).
  - K.V.S.Prasad, "An Empirical Study of Total Quality Management in Engineering Education Institutions: Perspective of Management", International Journal of Mechanical Engineering & Technology (IJMET), Volume 09, Issue 2, pp.547-555, February 2018. (Indexed in: SCOPUS) (ISSN0976 - 6359).
  - D. Srinivasa Kumar, and K.V.S.Prasad, "A Logical Investigation of Demographic Characteristics of Human Population in Selected Area of Srikakulam District", International Journal of Mechanical Engineering & Technology (IJMET), Volume 09, Issue 2, pp.539-546, February 2018. (Indexed in: SCOPUS) (ISSN 0976 - 6359).
  - Upendra Kumar Potnuru, P.Mallikarjunarao "Performance Analysis of a Permanent Magnet Brushless DC Motor", International Journal of Pure and Applied Mathematics, Vol. No.118, Issue No.19, pp135-142, March-2018. (Indexed in: Scopus)(ISSN No.:1311-8080)
  - P. Ramana, K. Alice Mary and M. Surya Kalavathi "State Feedback Linearization of a Non-linear Permanent magnet Synchronous motor drive" Indonesian Journal of Electrical Engineering and Computer science, Vol. 1, No.3, Mar 2016, pp.234-542. (Indexed in: SCOPUS) (ISSN No. 2502-4760) (Publisher: Institute of Advanced Engineering and Science)
  - B. M. V. A. Raju, "An efficient method for exploded view generation through assembly coherence data and precedence relations", World Journal of Engineering, Published online first. ISSN: 1708-5284, Indexed in ESCI, Scopus.
  - D. Srinivasa Kumar, K.V.S. Prasad, "A Logical Investigation of Demographic Characteristics of Human Population in Selected Area of Srikakulam District", International Journal of Mechanical Engineering and Technology (IJMET), Volume-9, Issue-2, pp- 539-546, February 2018. ISSN: 0976 – 6340, Indexed in Scopus.
  - D. Srinivasa Kumar, A. Lakshumu Naidu, "The Business Philosophies for Extended Enterprise in Manufacturing Automobile Sectors", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume-8, Issue-2, pp- 715-730, April 2018. ISSN: 0976-6359, Indexed in Scopus
  - Jami Venkata Suman has presented a paper titled "Design and Implementation of FPGA based 32 bit Wallace and Systolic Multipliers" in the International of creative research thoughts, volume-6, issue-2, pp: 162-166, April 2018
  - S.Murali Krishna, M.Gangadhar and Ch.V.KamesaraRao, "Ambient Air Quality Monitoring PM2.5 with Quadcopter in Rajam Town of Srikakulam District of Andhra Pradesh", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 9, Issue 4, pp. 780–78, April 2018. (SCOPUS Indexed)
  - G.Nagaraju and R.Srikanth, "Biological Treatment Technologies for Dairy Waste Water", International Journal of Pharma and Bio Sciences, Vol. 9, Issue 2, pp. 173-179, April 2018.
  - M. Rama Chandra, Assistant Professor a "An Effective Data Analysis on Spectral Clustering & Semi Supervised Consensus Spectral Clustering Using Consistent Iris", International Journal of Pure and Applied Mathematics, (IJPAM), Vol. 119, No. 10, pp.515-529, ISSN 1311-8080 (P), ISSN 1314-3395 (O) (Indexed in : Scopus), SNIP: 0.388, SJR: 0.253
  - P. Someswari, Y. Divya Bharathi, Assistant Professors a " A Survey of using Data Mining Techniques for Soil Fertility", International Journal of Engineering & Technology, Vol. 7, No.2.7, pp.917-918, 2018, ISSN: 2227-524X, (Indexed in: DRJI, Google Scholar, ProQuest, DOAJ) DOI:10.14419/ijet.v7i2.7.11096
  - S. S. Gantayat, Associate Professor a "Development of TTS Engine for Indian Accent using Modified HMM Algorithm", International Journal on Informatics Visualization, Vol 2, No 2, pp.92-95, 2018. (e-ISSN : 2549-9904 ISSN : 2549-9610, (Indexed in Google Scholar, Index Copernicus, CiteFactor). DOI: <http://dx.doi.org/10.30630/joiv.2.2.112>

- R.Vijayarajan and R.Avudaiammal, "Multiple MRI image fusion using normalized principal components of DWT subbands", International Journal of Tomography and Simulation, 31(2), 2018.
- Mr. B.Anilkumar has published a paper " DESIGN AND DEVELOPMENT OF REAL TIME PAPER CURRENCY RECOGNITION SYSTEM OF DEMONETIZATION NEW INDIAN NOTES BY USING RASPBERRY PI FOR VISUALLY CHALLENGED" in International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 3, March 2018
- Mr. B.Anilkumar has published a paper " HARDWARE IMPLEMENTATION OF IMAGE PROCESSING CONCEPTS FOR MECHATRONICS: A SURVEY" in International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 3, March 2018.
- M.Bala Krishna, G.V.S.Praneeth, Ch.Soundarya, P.Himabindhu "SEGMENTATION OF VEHICLES BASED ON MOTION ESTIMATION " International Journal of Creative Research Thoughts (IJCRT), Vol No:6 , pp. 461-468, April -2018 .
- Dr. P.Kanchanamala has published a paper "ANTI-ACCIDENT ALERT SYSTEM" in International Journal of Creative Research Thoughts (IJCRT), Volume 6, Issue 2 April 2018, ISSN: 2320-2882( UGC Approved).
- A. Sarvana Kumar, K. Santa Rao, G. Nandini, "Influence Of Alumina Nano Powder Mixed Dielectric Fluid In Electric Spark Machining Of Aisi D3 Steel", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume-8, Issue-2, pp- 1257-1264, April 2018. ISSN: 0976-6359, Indexed in Scopus.
- International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST) - PDME 2018, held at Government College of Engineering, Trissur, Kerala, 19<sup>th</sup> Jan 2018.
- Six members of faculty attended the training program on Heartfulness Meditation at Kanha, Shanti Vanam, Hyderabad during February 10-11, 2018.
- Guest Lecture by Dr M Balajee on the topic "Crypto Currency- Bit Coin Generation using Blockchain Technologies" at St. Theresa Institute of Engineering & Technology, Garividi on 16th Feb 2018.
- Dr V Prasad & Mrs N Lakshmi Devi attended Heartfulness Program for 2 Days workshop on 10th & 11th Feb 2018 at Sri Kanha Shanthivanam Ashrammam, Cheguru, Secunderabad.
- N Lakshmi devi from dept CSE has attended A Three day National workshop on "Cryptology and Cyber Security(WCCS 2018)", sponsored by Cryptology Research Society of India, Kolkata organized by Department of CSE&ECE,GVPCE(W) during 22nd-24th March, 2018.
- Premkumar M, Sowmya R, "Wind power forecasting using artificial neural network", International Conference on Electrical Electronics Instrumentation and Computer Communication, Organized by Karpagam College of Engineering, Coimbatore, Tamilnadu, January 2018.
- Premkumar M, Raghu Ram JV, Bharani Jagadamba KPVP, and Ram mohan K, "Design and simulation of ARTD controller for a chemical process industry PMDC motor", IEEE-International Conference on Electrical Energy Systems, Organized by SSN College of Engineering, Chennai, Tamilnadu, February 2018.
- Mr.V.Manoj attended "Hands on training in Power Electronics & Power Systems using Advanced Analytical Tools" (PEPS-AAT-2018) at Andhra University, Visakhapatnam from 5<sup>th</sup> to 9<sup>th</sup> February 2018.
- I. Kantharaj, M.Sekar X.Vasanth and A. Mohansundaram, "Comparative study of cutting fluid application methods to improve machine conditions in surface grinding on AISI 1040 steel", International conference on Engineering Materials, Metallurgy and Manufacturing ICEMMM 2018 held at SSN college of Engineering, Chennai on Feb 15-16 2018.
- Dr. R. Srikanth gave Keynote address in the Inauguration of National level Seminar "Conversion of Biomass to Fuel"; NSCBF-2018, at Chemical Engineering Department, Gandhi Institute of Engineering & Technology (Autonomous) – Gunupur during 3rd to 4th March 2018.
- Dr A V Ramana, Dr V Sreeramammurthy, Dr R Priya Vijayanthi, Dr V Prasad, Mr Ch Chakradhara Rao, Mr G Veeraju, Mr P Nagarju, Ms U Gauthami & Mr S Velliangiri had attended a 5 Day Workshop on Cloud Computing- Open Stack conducted from 12th March to 16th March 2018.

## Workshops/Conference Attended

- Mr.K.Somesh, Asst.Prof., Attended workshop on Smart India Hackthon conducted in GEC college, Gudlavalluru on 11<sup>th</sup> Jan-2018
- Mr.S.Ravi Babu attended "International Conference on New Frontiers in Engineering, Science, and Technology (NFEST-2018)" at Delhi Technological University , New Delhi from 8th to 12th January 2018.
- Mr Somesh K attended "Blockchain Technologies" 2 Days workshop on 30<sup>th</sup> & 31<sup>st</sup> Jan 2018 at SRKR Engineerin College, Bhimavaram.
- Mr M Balajee attended GIAN Workshop @ IIT Khanpur for a period of 17 Days.
- M. Sekar A. Koilraj and B. Suresha, "Machining Investigations of a Free Form Curve", International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering systems, held at NIT- Trichy. Tamilnadu, 18<sup>th</sup> Jan 2018. (Won best paper award).
- K. Sandeep and M. Sekar, "Experimental Analysis of Properties of Biolubricant Derived from Palm Kernel Oil"

- Mr.G.Suresh attended GIAN course on "Image & Video Forensics" at Tripura Central University during 12-03-2018 to 16-03-2018
- Premkumar .M, Srikanth Babu. V and Sowmya. R, "Scheduling Task to Heterogeneous Processors by Modified ACO Algorithm", Springer International Conference on Soft Computing and Data Analytics, Sri Sivani College of Engineering, Srikakulam, AP, March 2018.
- T S Kishore, S Mahesh Kumar, "Techno Economic Analysis Of Different Combinations Of An Existing Educational Institute Based Pv-Diesel-Grid Hybrid System In India", Springer International Conference on Soft Computing and Data Analytics (SCDA-2018), Sri Sivani College of Engineering, Srikakulam District, Andhra Pradesh, March 2018.
- J.S.V.Siva Kumar, P.MallikarjunaRao, "Design and Simulation of DC-DC Converter For Fuel Cell Based Electric Vehicle With Closed loop operation", Springer International Conference on Soft Computing in Data Analytics(SCDA 2018), Sivani Engineering College, Andhrapradesh, 10<sup>th</sup>.11<sup>th</sup> March 2018.
- P.Devendra, "Implementation of grass hopper optimization algorithm for controlling a BLDC motor drive", Springer International Conference on Soft Computing in Data Analytics(SCDA 2018), Sivani Engineering College, Andhrapradesh, 10<sup>th</sup>.11<sup>th</sup> March 2018.
- L V Suresh Kumar, "differential evaluation based gain tune of proportional integral derivation control for MLI based integrated wind energy system with multi winding transformer", Springer International Conference on Soft Computing in Data Analytics(SCDA 2018), Sivani Engineering College, Andhrapradesh, 10<sup>th</sup>.11<sup>th</sup> March 2018.
- Mr. G,Satya keerthi has presented a paper entitled "Distributed Community Detection based on Apache Spark using Multi Label Propagation for Digital Social Networks" with paper code: 788 in the International Conference on Recent Trends in Engineering and Sciences (ICRTES)-2018 organized by Confer Professional Group of Conferences, Andhra Pradesh, India, During 20<sup>th</sup> – 21<sup>st</sup> Feb 2018
- Dr.V.Rambabu, Professor attend Keynote Speaker & Technical session Judge in 12<sup>th</sup> international conference on Recent innovations in Science, Engineering and Management 2018 on 17<sup>th</sup> February 2018 at Sri Venkateswara College of Engineering & Technology. Etcherla, Srikakulam
- CH. Vinod Babu, "A review on recent trends in Surface Coatings", 3<sup>rd</sup> International Conference on Materials and Manufacturing Engineering (ICMME-2018) held at Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Chennai on 08-09 March 2018.
- Dr.S.N.dash attended 3days Workshop on "Biological Inspired computing and applications" Organized by GVPCOW, Visakhapatnam during 09th to 11th March, 2018
- Dr. G. Kalyani attended AICTE sponsored short term course under Quality Improvement Programme on "Recent Trends in Clean Technology for Sustainable Environment (RTICT)", Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore during 16th to 22nd April, 2018.
- Our department conducted a 2 Day National Level Workshop "Data Analytics and Machine Learning" Dr A V Ramana as a Convenor & Dr V Prasad, Dr M Balajee as a Organizing Secretary, on 26<sup>th</sup> & 27<sup>th</sup> April, 2018
- Dr.V.Jagan Naveen has Presented a paper on "BER Estimation in UFM system over Ricean Fading Channel" in the 49<sup>th</sup> Mid Term Symposium (MTS-2018)" on Recent Trends in Wireless Communications during 8-9 April, 2018 at AUCE(A), Visakhapatnam
- Mr.GBSR Naidu has Presented a paper on "PAPR Reduction of Companded OFDMA Systems for Downlink Transmission" in the 49<sup>th</sup> Mid Term Symposium (MTS-2018)" on Recent Trends in Wireless Communications during 8-9 April, 2018 at AUCE(A), Visakhapatnam
- K. Chiranjeevi attended one week short term course on Wireless communication issues challenges and techiques during 23<sup>rd</sup> to 28<sup>th</sup> April 2018 at VEER Surendra Sai University of Technology, Odisha.
- Dr. Ajit Kumar Rout have a Three day National workshop on "Biological Inspired Computing & Applications (BICA-2018)" Sponsored by Science and Engineering Research Board, Dept, of Science and Technology, India organized by the Dept.. Of Computer Science and Engineering, Gayatri Vidya Parishd College of Engineering for Women During 9<sup>th</sup> -11<sup>th</sup> March, 2018
- Dr. M.Sekar attend National conference a research paper " A Novel WIFI Embedded system to measure and Analysis temperatures in metal cutting at National conference on Emerging trends in Electrical, Electronics and computer Engineering (NCEECE'18) held on 04<sup>th</sup> April 2018 at JCT College of Engineering and Technology
- M. Sekar, B.D. Deepak, I, Kantharaj, " **A novel wi-fi embedded system to measure and analyse temperatures in metal cutting**" 5<sup>th</sup> National Level Conference On "Emerging Trends In Electrical, Electronics And Computer Engineering, held on 4th April 2018 at JCT college of Engineering and Technology, Coimbatore.

### Extra Curricular Activities

- Four students from third year CSE (Mr. Karthik, Mr. Shanawaz, Mr. Bharat and Mr. Palo Ravi) got qualified in ROUND 'F' of KICKSTART (Code Jam - GOOGLE) with an International Rank of 182, 182, 183 and 183 respectively among participants from 42 different countries
- 58 students from third year ECE appeared for Amateur Radio (HAM) License Examination conducted by the

- Dept. of Telecommunications and out of which, 9 students cleared the examination and got the Professional License for operating Amateur Radio
- Two first year students participated in JNTUK inter collegeate Kho-Kho tournament held at Vizianagaram in Jan-2018.
  - Mr S Naveen & Ms M Santoshi from 1<sup>st</sup> year participated in All India Essay Writing Event-2017 held at GMRIT, Rajam in Jan-2018.
  - Ms.K.Gayatri got 1<sup>st</sup> Prize in Invitational Men & Women Dead Lift Championship-2017 organized by Sri Gowthami Vyayama Kalasa, Rajamahendravaram.
  - Ms.K.Gayatri got 2nd Prize in Power Lifting organized by Andhra Pradesh Olympic Association Sports Authority of Andhra Pradesh
  - B.Vijay Kumar, presented a paper on 'Nano Technology' in Civil Engineering organized by "International Journal for Research in Applied Sci. & Engineering Technology"
  - 3 of our CSE students Attended workshop on Smart India Hackthon conducted in GEC college, Gudlavalleru on 11<sup>th</sup> Jan-2018
  - Guest Lecture by Sri GVSM Siva Kumar, Sr. Manager (HRD), Nuclear Fuel Complex for Final Years towards the motivation for BARC (Baarc Online) against their notification.
  - Guest Lecture by Mr. Ramesh Chandak, Principal Program Manager, Microsoft on 11th Jan-2018 for both students and Staff.
  - Developed an Android App -Skill GMRIT and under use from 8th Day of Jan 2018
  - Arika Santosh Kumar, CSE A Student participated in Inculcate Competitive Spirit , Students told @ Hindu E-Club
  - Received Best Accredited Student Branch Award @CSI National Level under Region V for the Academic Year 2016-17.
  - 11 Students from II CSE had attended the workshop in IIT Madras, Jan 2018
  - Dunna Srikanth took the Second Place in Codathan-3 and received a cash prize of Rs 500/-
  - Bharath M & Kumar took the First Place in Codathan-3 and received a cash prize of Rs 1,000/-
  - Ajay Kumar Y, B Sai Kumar, G Madhavi Latha, K Aruna, P Roja & K Manikanta, Final CSE Student had undergone Interview Process of Perimal Soft Solutions in Campus Recruitment Drive, On Campus and are selected.
  - 308 Students had participated in the Seminar Blockchain Technologies and made a grand success on 29th Jan 2018.
  - Seminar on "Layered Architecture in JAVA" by Mr. Sai Teja, ASE, TCS (Alumni student) for All IT Students on 27.01.2018
  - K.Hari Pavanendra (16341A0352) attend & secured Winners in Inter Collegiate Tournament -2017-18 of Zone-A at Vignan Engineering College (JNTU Kakinada) on 28.01.2018.
  - Winners in Volleyball and Badminton Doubles in Centurion University Intercollegiate Tournament during February 10 - 13, 2018.
  - Mr. D. Sai Uttej (4<sup>th</sup> IT) represented JNTUK in the All India Inter University Taekwondo Tournament at Gurunanak Dev University, Amritsar Feb. 6-18 and Mr. K. Manoj represented JNTUK in the All India Inter University Soft Ball Tournament at Maharshi Dayanandh University, Rohtak during February 25 - 28, 2018.
  - Mr B NM naidu and Dr D Tejeswararao received Appreciation certificates from GMRVF for successfully completion of SVP Projects on 23.02.2018
  - V Bhargavi & Priya Pareek Second CSE Students , got Google India Challenge Scholarship 2018 for the Front-End Web Developer track
  - Ch M S Rohit, M Bharath Kumar, M Karthik & B Pravallika Third CSE Students , got Google India Challenge Scholarship 2018 for the Front-End Web Developer track
  - J Nikhil & R Ranjith Raman Final CSE Students , got Google India Challenge Scholarship 2018 for the Front-End Web Developer track
  - Runku Harish of Final CSE along with his team occupied the 3rd position of the Android App Development Contest and rewarded with a Cash Prize of Rs 5,000.
  - Ravi Kumar Palo of Third CSE along with his team had been the Runners of the Hackathon Contest and rewarded with a Cash Prize of Rs 15,000.
  - Padala Kusa Raju of Third CSE along with his team had won the Hackathon Contest and rewarded with a Cash Prize of Rs 25,000.
  - Bora Ramji of Final CSE along with Third CSE Students had won the Project Design Contest and rewarded with a Cash Prize of Rs 30,000.
  - S.L.Sri Teja : attended paper presentation won the 1<sup>st</sup> prize in National Level Technical Symposium , ECLECTIQUE 2k18 on February 2018 at University College of Engineering, JNTU-K, Vizianagaram.
  - A.Vivek Bharadwaj: attended paper presentation won the 2<sup>nd</sup> prize in ASPIRE 2k18 a National level technical fest on 23<sup>rd</sup> & 24<sup>th</sup> February 2018 at AITAM, Tekkali
  - G.Kalkinadh : attended paper presentation won the 2<sup>nd</sup> prize in ASPIRE 2k18 a National level technical fest on 23<sup>rd</sup> & 24<sup>th</sup> February 2018 at AITAM, Tekkali.
  - B V S Satyanarayana, Final CSE Student had stood in 2nd place for the Paper Presentation on the topic entitled "Intelligent IOT HUB for smart agriculture" of CIENCIA 2018 in CVR College of Engineering , Hyderabad
  - Ms.YANDRAPU THANUSHA(17341A04H8), Mr URITI NIKHIL SAI KUMAR (17341A04G4), Mr KARRI N V S S SAI SANTOSH REDDY (17341A1224), participated in Presentation Zone and secured 1<sup>st</sup> Prize in Two day National Level Technical and Cultural Symposium



- EKATHRA, March 2018 at GVP college of Engineering, Visakhapatnam
- 6 Students are selected for final round of Smart India Hackathon 2018 and would represent GMRTI on 30th & 31st March 2018 at Noida.
  - B V S Satyanarayana, Final CSE Student had stood in 2nd place for the Paper Presentation on the topic entitled "Intelligent IOT HUB for smart agriculture" of CIENCIA 2018 in CVR College of Engineering, Hyderabad.
  - M Kaladhar, Final CSE Student who had undergone Interview Process of Headrun Technologies in Campus Recruitment Drive, ON Campus and is selected is specially appreciated by Degi Srinivas, HR, Headrun for his inspiring and stirring performance at all levels of the Interview through Social Media.
  - M V S V K Avadhani & M Kaladhar, Final CSE Student had undergone Interview Process of Headrun Technologies in Campus Recruitment Drive, ON Campus and are selected.
  - P. Vamsi Krishna, K.Nirosha, G.Amala and N.Manikanta has presented a paper titled "Design and Implementation of FPGA based 32 bit Wallace and Systolic Multipliers" in the International of creative research thoughts, volume-6, issue-2, pp: 162-166, April 2018.
  - N Venkata Ramana III CSE, Gollangi Somesh II CSE & N Rama Sasank I CSE as a Team won the KHO KHO Match at University Level.
  - Seminar on Career Opportunities by Mr Harish Mahadasu, IIM Ahmadabad exclusively for Third Years
  - 3rd year students attend programme "career opportunities" by Mr. Harish Mahadasu (Post Graduate Program in Management || IIM Ahmedabad || Class of 2018,, B.Tech Mechanical Engineering || IIT Roorkee || Class of 2016) on 6th March at 3pm in Auditorium.
  - Organized GMRIT Alumni Meet at Bangalore on April 8, 2018
  - CDC organized Placement Day Celebrations on April 24, 2018
  - Ms. Sirisha Panda, ASE, TCS (Alumni of IT 2013-2017 Batch) has given a Seminar on "Motivational Talk towards Placements in IT Industry & Tips to get placed" On 21<sup>st</sup> February, 2018 (Wednesday) at 11.00 AM at GMRIT in 6<sup>th</sup> sem students
  - Mr. P. Ramji, Senior Software Engineer, Infosys, Bangalore (Alumni of IT 2011-2015 Batch) has given Guest Lecture "Software Engineering: Prototypes & Agile Technology" on 21<sup>st</sup> February-2018

## Training and Placement

- Continuation for the 2014 batch - 401 placements as on April - 2018.
- Signed and MOU with Inflo Labs, Vizag, an Alumni start-up to establish incubation center
- MOU signed with IBM for academic initiative to offer industry elective courses for CSE/IT
- 109 Students of II CSE in volunteer had registered and attended the Presentation on Higher Studies, conducted by CDC on 20th Jan 2-018.
- Guest lecture conducted on 'Recent trends in civil engineering mainly to Rebit architecture & sketch up.' by Mr. Venkataramana PK (Chennai center Head, CADD) & Mr. Avinash Dharmraj (Technical Trainer CADD) to B.Tech (Civil) - 4<sup>th</sup> & 6<sup>th</sup> Sem. Students on 1<sup>st</sup> Mar'18.
- Guest lecture conducted on 'Opportunities in energy sector' by Mr. K.Krishna Kumar Sundararajan (Head of Construction for GMR Energy) to B.Tech 4<sup>th</sup> & 6<sup>th</sup> Sem. (Civil) on 20<sup>th</sup> Mar '18.
- Guest lecture conducted on "Wind Turbine Technology" by Mr. S. Mariappan State Business Head, AP – Suzlon to B.Tech (EEE & PE) - 6<sup>th</sup> Sem. Students on 14<sup>th</sup> Mar'18.
- Guest lecture conducted on 'career Opportunities in Power sector.' by Mr. Manish Biswas, State HR Head, AP & Karnataka– Suzlon to B.Tech (EEE & PE) - 6<sup>th</sup> Sem. Students on 14<sup>th</sup> Mar'18.