

# GMRLT 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 six 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 (Computer Science )
- M.Tech (Thermal)
- M.Tech (VLSI Design) : Second Shift
- M.Tech (Environmental)

## Achievements

- GMRIT ranked 33<sup>rd</sup> among the Ready Reconnor of Top Engg. Colleges, by Engineering Success Review, August, 2019.
- GMRIT ranked 16<sup>th</sup> and 2<sup>nd</sup> in AP in Out Standing Engg. Colleges Excellence by Competition Success Review, July, 2019.
- GMRIT ranked 144<sup>th</sup> among the Top Engg. Colleges in India and 5<sup>th</sup> in AP by Outlook, June, 2019.
- GMRIT ranked 122<sup>nd</sup> among the Top Engg. Colleges and 82<sup>nd</sup> among the Private Engg. Colleges in India. Ranked 53<sup>rd</sup> in the South zone and 6<sup>th</sup> in AP by The week- Hansa Research, June, 2019.
- GMRIT Ranked \*3<sup>rd</sup> in AP and \*43<sup>rd</sup> in India's Top 100 Private Engineering Institutes. \*Total score is 1668 out of 2300 by Education world, May, 2019.
- National Ranking: Top Private Engineering Institute of India 2019: GMRIT Ranked 19<sup>th</sup> and Ranking the finest private engineering colleges of India: South Zone – AP: AAAAA Rating by Digital learning, May, 2019.
- Ranked 43<sup>rd</sup> among the top 100 T-schools at National Level and 3<sup>rd</sup> in AP (Source: Education World, May 2019)
- Graded AAA+ by Careers 360 Magazine (April, 2019)
- Ranked 39<sup>th</sup> among the top 100 T-schools at National Level and 24<sup>th</sup> among the private colleges and first in AP (Source : Dataquest, March 2019)
- GMRIT ranked in 2<sup>nd</sup> in AP TOP Engineering colleges, AP Feb, 2019

## Institute Related

- Initiated the establishment of Centre of Excellence for Amazon Web Services (AWS) Educate Programme for the students and faculty of GMRIT to enhance their proficiency in cloud services. Mr. Amit, the AWS Educate Lead addressed the students and faculty on the scope and benefits of AWS Educate Programme

- Organised the 4<sup>th</sup> Graduation Day Ceremony on June 21, 2019. Sri. Yogi Sriram, Group Head - HR & Senior Vice President, L & T, Mumbai and Dr. I. Shanti Prabha, Professor of ECE & Rector, JNTUK, Kakinada chaired the function.



- International Yoga Day was celebrated on June 21, 2019



- Mr. V.Omkaar, Associate Manager, Nagarjuna Fertilisers Pvt Ltd., Kakinada, Andhra Pradesh, India, has delivered Guest Lecture on " **Manufacturing of Urea –Challenges and technical aspects** " for 3rd Sem and 5th Sem Chemical Students during 27th June 2019.
- Dr. S. N. Dash (Professor & HOD) have submitted a project proposal worth 15 lakh and titled 'Impact of Groundwater Quality on Tribal people and Remediation in the Eastern Ghats areas of Odisha and Andhra Pradesh', under SERB-TARE
- Mr. Srinivasa Rao (4<sup>th</sup> Mechanical Engg.) got gold medal in Inter District 6<sup>th</sup> Jr. Power Lifting Championship, held at Mylavaram, Guntur from May 31, 2019 to June 2, 2019
- Dr.M.Gangadhar have submitted a project proposal titled, "Investigation on Sources, Pathways, and Relative Risks of Pesticides and Nutrients: A Perspective Study on Ground Water Contamination under Conditions of Uncertainty", to CRG Scheme of DST for an amount of 46.53 Lakhs during June 2019.
- Dr. M.Gangadhar is about to submit a proposal worth 29 lakh titled, 'Optimization of Geometrical and Process Parameters for the Intensified Removal of Metal Ions from Industrial Effluents' under EMRF Scheme of DST (The proposal is reviewed and ready for submission)
- Organized a two-day workshop for the members of faculty on "Digital Marketing" during June 22-23, 2019 in association with Acumen Connect, Hyderabad. Twenty members participated in the workshop

- Dr. P.V.Suresh, Associate Professor, National Institute of Technology Warangal, Telangana, India has delivered a Guest Lecture on "**Fuel Cell Technology**" for 3rd Sem and 5th sem Chemical Students during 26th June 2019.
- Organized a one-day "National Colloquium on Draft National Education Policy 2019" at our campus on July 28, 2019. Around 100 participants attended the program at various capacities viz. Vice Chancellors, Rector, Principals of Engineering Colleges and Schools. The suggestions captured from the panel discussions were forwarded to MHRD for possible consideration



- Organized three day Faculty Development Program on "Fostering Higher Order Thinking under the Framework of RBT and OBE: Theory to Practice" by Dr.Job Kuruvella during 29<sup>th</sup> July to 31<sup>st</sup> July 2019.
- Dr P Sumati Kumari, Assoc. Prof. from BSHdept. submitted a Project proposal details, Title of the Project: Non-linear Matrix equations and Fractional Differential Equations: Solutions via Fixed point Method, Convergence Analysis, Fractional Chaos Neuron Model, Numerical experiments. Total Budget: Rs: 20,98,932/-, Date: 07-06-2019, Agency: Science and Engineering Research Board. Scheme: Core Research Grant (CRG)
- Dr M.Varun Kumar, Asst. Prof. from BSH dept., Project proposal details, Title of the Project : Fluid Flow in Renal Tubules - A Numerical Study Total Budget: Rs. 17,68,712/- Date: 10-06-2019, Agency: Department of Science & Technology (DST) Science and Engineering Research Board.(SERB) Scheme: Core Research Grant (CRG)
- Dr K.KumaraSwamy, Asst. Prof. from BSH dept., submitted Project proposal details, Title of the Project: Development of Solutions for two Dimensional Integral equations using Coupled Fixed Point Theorems in modular S- metric Spaces. Budget: Rs. 16,25,492/- Date: 11-06-2019, Agency: National Board for Higher Mathematics (NBHM) Scheme: Department of Atomic Energy (DAE),
- Dr. K.Koteswara Rao, Assistant Prof. from Chem dept., Project proposal details, Title of the Project : Sol-gel, Hydrothermal synthesis and luminescence studies of Double perovskite structured red phosphors for white LEDs. RS- 27,50,792/- Date: 09-06-2019 Agency: Department of Science & Technology (DST) Science and

- Engineering Research Board.(SERB) Scheme: Core Research Grant (CRG)
- Dr. Dr K.Gouru Naidu, Professor. from Chemistry dept., Project proposal details, Title of the Project : Development of cost effective and efficient method for removal of fluoride from drinking water.RS- 16,12,292/- Date: 10-06-2019 Agency: Department of Science & Technology (DST) Science and Engineering Research Board.(SERB)
  - Dr D.Tejeswara Rao, Assistant Prof. from Chemistry dept., Project proposal details, Title of the Project : Phytochemicals: Extraction, Isolation, and Identification of Bioactive Compounds from Plant Extracts in Srikakulam District, Andhra Pradesh.RS - 28,79,600/- Date: 10-06-2019 Agency: Department of Science & Technology (DST) Science and Engineering Research Board.(SERB)
  - Dr M.P.Srinivasa Rao, Professor. from Physics dept., Project proposal details, Title of the Project : Design and Implementation of Long period Tapered Fiber Bragg Grating Waveguide for Biosensing Applications RS- 20,98,712/- Date: 10-06-2019 Agency: Department of Science & Technology (DST) Science and Engineering Research Board.(SERB)
  - Dr M.Lakshmi Prasad, Assistant Prof. from Physics dept., Project proposal details, Title of the Project : Optimizing the heat treatment parameters of Austempered Ductile Iron for applications in agricultural sector RS - 28,20,870/- Date: 10-06-2019 Agency: Department of Science & Technology (DST) Science and Engineering Research Board.(SERB) Scheme: Core Research Grant (CRG).
  - Mr. Suresh Venkatesan, Sr. Application Engineer, National Instruments given guest lecture on LABVIEW and its Industrial Applications held on 20-07-2019
  - ECE department conducted a Three Day Workshop on "System Design using Labview" during 18-07-2019 to 20-07-2019.
  - Mr. M.Premkumar is attended ARC 2.0 Training at VIT, Anaparthi from 05.08.2019 to 08.08.2019
  - One of our students from 3<sup>rd</sup> year Civil Engineering, Mr. Varagani Amrutha, filed an application for a copyright for his innovative concept "Chemi Turbine"
  - Celebrated World Entrepreneurship Day on August 21, 2019. Seven of our alumni entrepreneurs were invited and felicitated during the event
  - Organized a five-day workshop on Digital Marketing for the students during August 26 - 30, 2019 with the help of experts from Acumen Connect, Hyderabad
  - Mr. Som Mittal and Ms. Mahesh Peri, board members of GMRVF visited the campus and addressed the students on August 30, 2019 and interacted with all the Heads of the Department with regard to Future Skills

- Organised first year Parents Meet on August 27, 2019. Approximately 1500 members attended the programme (Parents and Freshers)



## Academic Achievements

### Technical Paper Publication in Conferences

- Dr.M.Kathirvelu & J.V.Suman has presented a paper titled "Design and Implementation of Low PDP Multiplier using modified XOR/XNOR based full adder", IEEE International conference on Intelligent Computing and Sustainable System (ICICSS 2018) organized by Akshaya College of Engineering and Technology (ACET) on 20,21 September 2018 at Coimbatore, Tamil Nadu, India
- Gladiss Merlin, N, Karthika, K, Cristin, R & Karthick, K has presented a paper on "Survey of Image Forgery Detection Methods – a Passive Approach", Journal of Advanced Research in Dynamical and Control Systems, Institute of Advanced Scientific Research. Vol. 10, No.12, pp. 88-94, 2018 (SJR: 0.114).
- Karthick, K, Premkumar, M, Manikandan, R & Cristin, R has presented a paper on "Survey of Image Processing Based Applications In AMR", Review of Computer Engineering Research, Conscientia Beam, Vol. 5, No. 1, pp. 12-19, 2018.
- D.Srinivasa Kumar, K.V.S.Prasad and A. Vinod Kumar(BARC Scientist H) presented a paper on "Influence of Education Levels on Women's Fertility: A Study in Kovvada Region, Srikakulam District, Andhra Pradesh", Conference Proceedings of 16<sup>th</sup> Annual Conference, INDIAN ASSOCIATION FOR SOCIAL SCIENCES AND HEALTH (IASSH), Dec 10-12, 2018, pp. 62 held at Jawaharlal Nehru University, Delhi.
- Dr.S.N.Dash have submitted a project proposal titled, "Preparation and applications of nano-scale activated carbon from Shorea Robusta Leaf Litter for the remediation of ground water quality that impacts seasonally to the tribal peoples of Eastern Ghat areas of Odisha (Ref No.: TPN / 37823)", to DST at a total cost of 25.5 Lakh during 30-8-2019.

## Published in Journals

- Rajendra Kumar Dash and Amarendra Kumar Dash, published a paper on "The New Media and the Promotion of Ecological Entrepreneurship", Media Watch, Vol. X, No. 2, pp 419-431, Month: May 2019. (Indexed in: Scopus) (Print ISSN: 0976-0911; Online ISSN: 2249-8818)
- Kastriot Zoto and P Sumati Kumari; published a paper on Fixed Point Theorems for s- $\alpha$  Contractions in Dislocated and b-Dislocated Metric Spaces; Thai Journal of Mathematics, Vol.No. 17, Issue No. 01, pp 263-276, Month May 2019. (Indexed in: ESCI, Scopus) (ISSN No.: 1686-0209 (online).
- Thabet Abdeljawad ,Ravi P Agarwal ,Erdal Karapinar and P Sumati Kumari published a paper on "Solutions of the Nonlinear Integral Equations and Fractional Differential Equations Using the Technique of a Fixed Point with a Numerical Experiment in Extended b-Metric Space", Symmetry, Vol. No. 11, Issue No. 05, pp 1-18, Month May 2019. (Impact Factor: 1.256) (Indexed in: SCI-Expanded) (ISSN No.: 2073-8994 (online).
- Rajendra Kumar Dash. published a paper on "What is Ecolinguistics?", Language in India. Vol. 19; May 2019, ISSN 1930-2940; UGC Approved Journal Serial No. 49042.
- Rajendra Kumar Dash. published a paper on "Ecolinguistics and Endangered Languages", IOSR Journal of Humanities and Social Sciences. Volume 24, Issue 5, Ser. 6 (May 2019), pp 14-16; DOI: 10.9790/0837-2405061416; ISSN 2279-0837, p-ISSN:2279-0845; UGC Approved Journal.
- Aditya Kumar Sahu, Gandharba Swain. published a paper on "An Optimal Information Hiding Approach Based on Pixel Value Differencing and Modulus Function", Wireless Personal Communications (Springer), 2019. pp.1-16 DOI: <https://doi.org/10.1007/s11277-019-06393-z>, 2019. ISSN: 0929-6212, SJR: 0.26, (Indexed in SCI, Scopus)
- Aditya Kumar Sahu, Gandharba Swain. published a paper on "A Novel Multi Stego-Image based Data Hiding Method for Gray Scale Image", Pertanika Journal of Science & Technology, Vol. 27, No. 2, pp. 753-768, 2019, ISSN: 0128-7680, SJR: 0.121, (Indexed in Scopus and ESCI).
- Jaswanth K, B.P.R.V.S.Priyatham, published a paper on "Experimental study on sewage sludge ash in stone matrix asphalt". International Journal of Advance Research, Ideas and Innovations in Technology, Vol 5, Issue 3, PP. 116 - 125, May 2019.
- Ravindiran Gokulan, Ganapathy Ganesh Prabhu, Josephraj Jegan, published a paper on " Remediation of complex remazol effluent using biochar derived from green seaweed biomass", International journal of phytoremediation. DOI: 0.1080/15226514.2019.1612845. (Indexed in: SCI)
- Debashish Kar, Jyoti Prakash Giri, Mahabir Panda, published a paper on "Performance Evaluation of Bituminous Paving Mixes Containing Sisal Fiber as an Additive", International Journal of Transportation Infrastructure Geotechnology, DOI: 10.1007/s40515 - 019 - 00079 - 6. (Indexed in: Scopus)
- K.S.B Prasad, K.Gayatri, published a paper on "Identification and prioritize Improvement of Accident-prone Locations between Srikakulam to Chilakapalem junction- A Case Study", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.8, Issue No.6S3, pp.167-169, April 2019, ISSN No.2278-3075 (Indexed in: Scopus)
- Mr. J.V.Suman published a paper titled "Design and Performance Evaluation of Hybrid Vedic Multipliers " in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-8 June, 2019 .
- D.V.Ramana & GBSR Naidu published a paper titled " Power Analysis of dynamic content addressable memory over static CAMs" in Journal of Computational and theoretical nanoscience, Volume No. 16, Issue No-4, June 2019.
- M. Rambabu, G.V.Nagesh Kumar and S. Sivanagaraju, published a paper on "Optimal Power Flow of Integrated Renewable Energy System using a Thyristor Controlled Series Compensator and a Grey-Wolf Algorithm" Energies, Vol. No. 12, Issue No.11, pp.2215, June 2019 (SCIE)
- K.Karthick, K.B.Ravindrakumar, R.Francis and S.IIankannan, published a paper on "Steps Involved in Text Recognition and Recent Research in OCR; A Study", International Journal of Recent Technology and Engineering (IJRTE), Vol.No. 8, Issue No.1, pp. 3095-3100, May 2019, (ISSN: 2277-3878) (Indexed in: Scopus)
- Ch.Santhosh kumar, G.Chandra Sekhar, published a paper on "Battery energy storage system to improve the efficiency of PV and Fuel cell Based on Modular Multilevel Converter" International journal of Innovative Technology and exploring engineering", Vol.No. 8, Issue No. 8, pp.36-40 June 2019 (ISSN No.:2278-3075) (Indexed in : Scopus)
- Upendra kumar potnuru, P. Mallikarjuna raopublished a paper on "Assortment of Slot And Pole Relation for a Permanent Magnet Brushless DC Motor", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.08, Issue No.08, pp 72-75, June-2019 (ISSN No.:2278-3075) (Indexed in : Scopus)
- Mudadla Venkatesh, K.Chandra Sekhar, published a paper on "A Heuristic Controller for AC Circulating Current components elimination in Modular Multilevel Converter", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.8, Issue No.8, pp 1912-1918, June 2019 (ISSN No.:2278-3075) (Indexed in: Scopus)

- M. Rambabu, G. V. Nagesh Kumar, and S. Siva Nagarajupublished a paper on, "An Intermittent contingency approach with Optimal Placement of Static Var Compensator in a Renewable-Integrated Power Systems", International Journal, (<https://doi.org/10.1080/01430750.2019.1611649>) (Indexed in: Scopus)
- M. Rambabu, G. V. Nagesh Kumar, and S. Siva Nagarajupublished a paper on, "Optimal Operation of Real Power Generators in an Integrated Power Systems with Grey-Wolf tuned-SVC for Voltage Profile Improvement", Journal of Advanced Research in Dynamical & Control Systems, Vol. No. 11, Issue No. 2, 2019 (Indexed in: Scopus)
- M. Premkumar, and R. Sowmya published a paper on "Certain Study on MPPT Algorithms to track the Global MPP under Partial Shading on Solar PV Module/Array", International Journal of computing and digital systems, Vol.No.08, Issue No.04, pp.405-412, July 2019 (Indexed in: Scopus)
- Ms. M.Jyothi has a Presented a paper titled "PSV-GWO: Particle Swaen Velocity Aided GWO for Privacy Preservation of Data" Journal of Cyber Security and Modnility, Vol:8.4 N pp 439-466, Publication 20<sup>th</sup> June 2019
- G.Kalyani, published a paper on "Characterization and Feasible Applications of Waste Tyre Rubber Deposits from Airfield Runway", Nature Environment and Pollution Technology, An International Quarterly Scientific Journal, Vol. 18, No. 2, pp. 517-523, 2019. (SCOPUS Indexed)
- R.L.Naidu,Y.Aditya and D.R.K.Reddy,published a paper on "Bianchi type-V dark Energy Cosmological Model in General Relativity in the Presence of Massive Scalar Field" Heliyon,Vol.5 ,Issue 5,PP. 1-6, May 2019,(Indexed in: SCI) (ISSN:2405-8440)
- K Meenambika, C V Sshaiah and N Sivamani,published a paper on "On Square Binormal and Square n-binormal Operators"International Journal of Innovative Technology and Exploring Engineering ,Vol. 8, Issue 7,PP. 1669-1672,May 2019,(Indexed: Scopus) (ISSN:2278-3075)
- M.Eswara Rao "Stressed Student-life: A Prominent Feature in the Recent Indian Campus Novels" Language in India, Vol. 19 ,Issue 5,PP. 74-80, May 2019,(UGC approved Journal)(ISSN :1930-2940)
- R. Gokulan, A. Avinash, G.G. Prabhu, J. Jegan, (2019),published a paper on "Detoxification of remazol dyes by biochar derived from Caulerpa Scalpelliformis - An eco-friendly approach", Journal of Environmental Chemical Engineering. (Elsevier, ESCI&Scopus, Dol:<https://doi.org/10.1016/j.jece.2019.103297>)
- Gokulan Ravindiran, Raja Murugadoss Jeyaraju, Jegan Josephraj & Avinash Alagumalai,published a paper on "Comparative Desorption Studies on Remediation of Remazol Dyes Using Biochar (Sorbent) Derived from Green Marine Seaweeds", Chemistry select .Dol:10.1002/slct.201901348, Impact Factor: 1.716 (Indexed in SCI).
- G. Ganesh Prabhu, J. Rajamurugadoss, K. Rajkumar, published a paper on "Performance Evaluation of Slag as a Cementitious Material in Concrete Production – Strength and Durability Properties", International Journal of Engineering and Advanced Technology. Volume-8, Issue-5, pp.753-757.
- Karthick K and Kavaskar S,published a paper on "Text detection and recognition in raw image dataset of seven segment digital energy meter display",Energy Reports, Vol. No. 5, pp. 842-852, 2019. (ISSN No.:2352-4847) (Indexed in: SCI-E & Scopus Indexed) (Impact Factor: 3.830)
- Danalakshmi D,Bugata S,Kohila J.published a paper on "A controlstrategy on power quality improvement in consumer side using custom power device", Indonesian Journal of Electrical Engineering and Computer Science, Vol. No. 15, Issue No. 1, pp. 80-87, July 2019 (ISSN No.: 2502-4752) (Indexed in: SCOPUS).
- Uma Sabareesh, V & Karthick, K 2019,published a paper on 'Solar PV based Permanent Magnet Synchronous Motor Drive for Water Pumping Application', International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No. 8, Issue No. 9, pp. 761-767, July 2019 (ISSN No.: 2278-3075) (Indexed in: Scopus )
- R K Patnaik, ENVD Vara Prasad, Rakesh Kumar Patnaikpublished a paper on, "An advanced signal processing based ANFIS classifier for fault analysis of DFIG based HVDC transmission links," Journal of Advanced Research in Dynamical & Control Systems, Vol. No. 11, 02-Special Issue, pp. 1154-67, May 2019. (ISSN No.: 1943-023X) (Indexed in: Scopus)
- K Anjaiah, R K Patnaik, "An advanced signal processing based multiclass power quality disturbance detection and classification technique for grid connected solar PV farm," International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.8, Issue No.9, pp. 876-896, July 2019 (ISSN No.: 2278-3075) (Indexed in: Scopus)
- Ravi kumar jalli, Rajesh Babu damala, N S S Rama Krishna, "A Prototype Model of Induction Based and Solar Powered Hybrid Electric Vehicle to Achieve Zero Charging", Journal of Advanced Research in Dynamical & Control Systems, Vol. No. 11, Special Issue No. 5, pp.299-305, 2019 (ISSN No.: 1943-023X) (Indexed in: Scopus)
- V.M.Venkateswara Rao,G.Chandra Sekhar, Y.P.Obulesh, published a paper on "Artificial Neural Network and Adaptive Neuro Fuzzy Control of Direct Torque Control of Induction Motor for Speed and Torque Ripple Control", WSEAS TRANSACTIONS on POWER SYSTEMS, Vol. No. 13, pp. 414-421, 2018. (E-ISSN No.: 2224-350X) (Indexed in: SCOPUS)

- B. Bajibabu Naik, M. Rambabu, published a paper on "Energy Management by Using Renewable Energy Sources", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.8, Issue No. 8, pp. 315-321, June 2019 (ISSN No.:2278-3075(online)) (Indexed in: Scopus)
- Dr.G.Sasi Kumar: Published paper in International Journal "Multi-criteria Decision Making for Solar Panel Selection Using Fuzzy Analytical Hierarchy Process and Technique for Order Preference by Similarity to ideal Solution (TOPSIS): An Empirical Study" , J. Inst. Eng. India Ser.C (August 2019) 100(4):707-715, <https://doi.org/10.1007/s40032-019-00520-2>, Springer
- Jampani Venkateswara Rao, Killamsetti Srinivasa Rao, Koripella Rambabu, published a paper on "Performance of heat and ambient cured geopolymer concrete exposed to acid attack", Proceedings of the Institution of Civil Engineers - Construction Materials, Vol. No.172, Issue. No.4, pp. 192–200, August -2019.(Scopus Indexed )( E-ISSN 1747-6518)
- B P R V S Priyatham, DVSK Chaitanya, published a paper on "Comparitive study on Aalysis and Design of Flat Slabs with Conventional Slabs", International Journal of Research in Advent Technology, Vol. No.7, Issue. No.7, July-2019 ( E-ISSN 2321-9637)
- RK Patnaik, PK Dash, SP Mishra, published a paper on "Adaptive third order terminal sliding mode power control of DFIG based wind farm for power system stabilization," International Journal of Dynamics and Control, 2019 (article in press), <https://doi.org/10.1007/s40435-019-00567-0> (Indexed in: Scopus)
- J. S. V. Siva Kumar, P. Mallikarjunarao, published a paper on "LQR control of interleaved double dual boost converter for electrical vehicles and renewable energy conversion", Indonesian Journal of Electrical Engineering and Computer Science, Vol.No.16, Issue No.3, pp. 1240-1248, (ISSN No.:2502-4752) (Indexed in: Scopus)
- Ramakrishna Raghutu, P.V.Ramanarao, published a paper on "Inter area Stability Enhancement of Interconnected power system using Second-order Sliding Mode Controller", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.8, Issue No. 9, pp. 939-945, July 2019 (ISSN No.:2278-3075(online)) (Indexed in: Scopus)
- Alluri Hemanth Kumar Raju, Ayyarao SLV Tummala, P. V. Ramanarao, and PVN Mohan Krishna, published a paper on "Optimal Tuning of PI Controllers for DFIG-Based Wind Energy System using Self-adaptive Differential Evolution Algorithm," International Journal on Electrical Engineering and Informatics, Vol. No. 11, Issue No. 2, pp. 352-372, June 2019. (ISSN No.: 2089-3272) (Indexed in: Scopus)
- R Vijaya Krishna, N S S Rama Krishna, J Ravi Kumar, published a paper on "Protection and Controlling of Transmission Lines by using Machine Learning Technique," International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No. 8, Issue No. 9, pp.3252-3258, July 2019 (ISSN No.:2278-3075) ( Indexed in : Scopus)
- Murugesan Arthanarisamy, Avinash Alagumalai, Kumaravel Arumugam published a paper on "An experimental insight into optimized biodiesel production and external re-breathing of burned gases on biodiesel combustion" Journal of Thermal Analysis and Calorimetry, DOI 10.1007/s10973-019-08620-y, Aug 2019 (ISSN 1388-6150) (SCI)
- R. Gokulana, A. Avinash. A, Ganesh Prabhu. G, Jegan. J published a paper on "Remediation of remazol dyes by biochar derived from Caulerpa scalpelliformis—An eco-friendly approach", Journal of Environmental Chemical Engineering, Vol. 7, No.5, pp 103297, Aug 2019 (ISSN: 2213-3437) (Scopus)
- Yegireddi Shireesha, Govind Nandipati, KiranKumar Chandaka, published a paper on " Properties of hybrid composites and its applications: A Brief Review", International Journal of Scientific & Technology Research, Volume 8, Issue No. 8, pp335-341 (scopus, yet to be indexed in scopus author preview)
- B Sowgandhi, P N L Pavani, published a paper on "Recent Studies in the application of internal cooling system in conventional machining process", International Journal of Scientific & Technology Research, Volume 8, Issue No. 8, pp441-444 (scopus, yet to be indexed in scopus author preview)
- V.Manoj Published paper in International Journal of Engineering and Advanced Technology (IJEAT) on "Arduino Based Programmed Railway Track Crack Monitoring Vehicle" Vol.08, No.06, DOI: 10.35940/ijeat.E7811.088619, on 31st August 2019. (Scopus Indexed)

### Workshops/Conference Attended

- Dr R.L Naidu, HOD-BS&H attended a ToT-SIP Training Programme during 16th -18th may 2019 at IIIT, Hyderabad
- Dr V Prasad attended an Internship on Amazon Web Services (AWS Cloud), at Indian Institute of Hardware Training, Visakhapatnam from 24<sup>th</sup> May 2019 to 08<sup>th</sup> June 2019
- Dr B Santosh Kumar attended an Internship on Databases and Advanced Algorithms., at Nanda Infotech, Coimbatore from 20<sup>th</sup> May 2019 to 01st June 2019
- Mr.P.Satya Sagar have attended faculty development program titled, "Downstream Processing of Oil and Gas: Petroleum Refining", organized by Dept. of PE & PCE, JNTUK, Kakinada, sponsored by UCEK (A) under TEQIP Phase-III, during 3<sup>rd</sup> June 2019 to 8<sup>th</sup> June 2019.

- Mr B Nagamani Naidu Assistant Professor form Chemistry attended a Summer Internship program on Nano Technology conducted by Sri Rama Krishna Engineering College, Coimbatore during 3rd – 5th July 2019.
- SSD Kameswari attended a GIAN course on “Cancer Theranostics” at JNTU HYDERABAD during 8th-12th July 2019.
- Dr.N.V.Lalitha attended a GIAN course on “Cancer Theranostics” at JNTU HYDERABAD during 8th-12th July 2019.
- Dr.A.Siva Sangari attended a GIAN course on “Cancer Theranostics” at JNTU HYDERABAD during 8th-12th July 2019.
- BMS Sreenivasa Rao attended Sci Lab workshop on 04-05-2019 organized by teaching learning centre (ICT) at IIT Bombay.
- Mr. A.V.Ramana, Mr. M.Satish, Ms. M.Suneetha, Ms. M.Jyothi, Ms. P.Akhila, Ms. U.Archana, Mr. A.Bhakara Rao, Mr. S.Chandra Sekhar have attended the “Python workshop” this Training was organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) on 22<sup>nd</sup> June, 2019, at GMRIT, Rajam

## Extra Curricular Activities

- Two ECE students (Mr. TVSS VENU and S. Usha Kiran) got 1<sup>st</sup> prize in KSHITIJ2019” at IIT Kharagpur with a cash award of Rs.5000
- 2016 Admitted Batch Section : A (22 Nos) students are attended the industrial tour at GMR Kamalanga Energy limited from 22<sup>nd</sup> to 27<sup>th</sup> July,2019 Mr. R.Vijayakrishna followed with the students
- Mr.TVSS VENU and Mr. S.Usha Kiran of ECE participated in the fest KSHITIJ2019 at IIT Kharagpur and bagged first prize in paper presentation contest with a cash award of Rs.5000-00.
- Final Year Students (16341A0365, 367, 376, 380, 387, 390,391, 397, 3A2, 3A4,3A8, 3A9, 3B6, 3B7, 3B9, 3Co, 17345A0314, 316,) Third Year Students (17341A0319, 331, 341, 348, 358, 370, 390) attended Student Kart Design Challenge Season –III Team Adhira organized by Society of Mechanical and Automotive Engineering's.
- 2<sup>ND</sup>& 3<sup>RD</sup> Year Students attended Guest Lecture by Centre of Excellence in Maritime & Shipbuilding on 24<sup>th</sup> August 2019 at Auditorium.
- Aditya Setty (17341A0801), M.Surendra (17341A0812), R.S.R.P.Krishna (17341A0819) and Shaik Kareem (17341A0821) students of III Year / 5<sup>th</sup> Semester have attended a workshop titled “Digital Marketing”, mentored by Acumen Connect, Hyderabad, Organized at GMRIT, Rajam during 26<sup>th</sup> to 30<sup>th</sup> August 2019
- One credit Industry Driven Course on “Upstream Processing” is planned to conduct during 21<sup>st</sup> and 22<sup>nd</sup> of September 2019. The resource person being A.Prasad, Process Engineer from ONGC, Kakinada.
- 5<sup>th</sup>& 7<sup>th</sup> semester Power Engineering students visited 230KV/132KV/33KV Garividi Substation on 17/08/2019.

## Training and Placement

- Continuation for the 2015-19batches–Total 646 offers by 61 companies.
- 30+ companies offered CTC of Rs 4 Lac & above.
- 60+ students bagged offers of Rs 4 Lac & above
- 100+ students bagged multiple offers
- 175+ selections in Wipro, TCS, Syntel, Infosys, CTS & HCL
- 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



- “Opportunity for Engg. Graduates in IT Industry” By Mrs. Pranitha Penmetsa, Director - HR & Operations, Tyfone for B.Tech 7<sup>th</sup> Sem Students (CSE & IT) conducted on 24<sup>th</sup> June '19
- “Awareness and Challenges in the context of IT industry” by Mr. Pradeep Augustus, Associate Manager, Valtech for B.Tech 7<sup>th</sup> Sem Students (CSE/IT) conducted on 24<sup>th</sup> June '19
- Mr. S.Vinodh (12341A0853), An Alumni of 2014-18 batch, Currently pursuing Ph.D in IISC Bangalore, have delivered a guest lecture on “Importance of fundamentals for getting a job in Chemical Industries”, for 3<sup>rd</sup> and 5<sup>th</sup> Semester Chemical Engineering students during 11th July, 2019.
- Mr. B.Naveen Kumar (14341A0817), An Alumni of 2014-18 batch, Working as GET in Kanoria Chemicals Ltd., who have also got admission for his MS in Canada, have delivered a guest lecture on “Higher studies in Chemical Engineering”, for 3<sup>rd</sup> and 5<sup>th</sup> Semester Chemical Engineering students during 22<sup>nd</sup> July, 2019.
- Mr.V.ViJay Kumar (14341A0824), An Alumni of 2014-18 batch, Educational Counselor in Byju's, have delivered a guest lecture on “Job Opportunities in Chemical

Engineering", for 3<sup>rd</sup> and 5<sup>th</sup> Semester Chemical Engineering students during 25th July, 2019.

- Guest Lecture Conducted by Mr. Ramakrishna Vakumulla, Subject Matter Expert(SME),Walmart for B.Tech IVth Year Students(EEE&ME)
- Guest Lecture Conducted by Mr. Murali Krishna Koneru, Group Lead System Development, Hansa Solutions for B.Tech IVth Year Students(CSE & IT)



- 2020 Batch Placements on Boom.
- Total 252 offers by various companies as on date. Total 71 selections in HCL Technologies.
- 123 students places across all branches in TATA CONSULTANCY SERVICES(TCS)

