



# SR Engineering College

Innovation . Creativity . Entrepreneurship

## News Bulletin 2018



### ACADEMIC PARTNERS :



**PURDUE**  
UNIVERSITY



**SOFTWARE**  
Centre of Excellence



Indo-US Collaboration for  
Engineering Education



**NEN**  
NATIONAL  
ENTREPRENEURSHIP NETWORK



## VISION

To be among the Top 20 Private Engineering Institutes in India by 2020

## MISSION

- Design and implement curriculum that equips students with professional and life skills
- Recruit, develop and retain outstanding faculty to achieve academic excellence
- Promote and undertake quality research in thrust areas of Science and Technology
- Collaborate with industry and academia to meet the changing needs of society
- Foster innovation and cultivate the spirit of entrepreneurship among students

## Editorial Board of Newsletter

Name of the Faculty	Name of the Student	Role
Dr. Syed Musthak Ahmed	T. Vinay Raj	Coordinator
Dr. A. Subba Rao	M.Kishore	Member, ECE
Mr. P. Praveen	Mubeen	Member, CSE
Mr. B. Arun Kumar	T. Vinay Raj	Member, CE
Mr. S.R.V. Narsaiah	Nirmal	Member, ME
Mr. AVV. Sudhakar	Roshan	Member, EEE
Dr. S. Shailaja	G.Varun Kumar	Member, HSc
Mr. E. Ramesh	Vamshi	Member, MBA

## SR Educational Society

The following institutions are functioning successfully under  
SR Educational Society

SR Engineering College  
Sumathi Reddy Institute of Technology for Women  
SR International Institute of Technology  
SR Degree & PG Colleges  
SR Junior Colleges  
Sparkrill International School  
SR Digi Schools

These institutions are spread across Hyderabad, Warangal, Vizag,  
Karimnagar, Nizambad, Siddipet, Adhilabad, Khammam & Miryalaguda.

## PERSONS KEY ROLE AT SREC



Dr. V. Mahesh  
Principal



Dr. Syed Musthak Ahmed  
Dean (Academics)



Dr. R. Archana Reddy  
Dean (Student Welfare)



Dr. Ram Ragotham Rao Deshmukh  
Head (EEE)



Dr. C. V. Guru Rao  
Head (CSE)



Dr. G. V. Praveen  
Dean (Administration)



Dr. N. Suman Kumar  
Head (MBA)



Abdy sayyed Mohd Abbas  
Head (Civil)



Dr. P. Venkata Ramana Rao  
Head (H&Sc)



Dr. J. Tarun Kumar  
Head (ECE)



Mr. B. Satish Kumar  
Head (ME)

## MESSAGE

Education is an important tool used as a guide to be successful in life. Education helps us face the challenges and obstacles. The rise of modern technology, the verge of dependence on education to fulfill the greater demands of modern world is increasing. The transformation to a more knowledge hungry economy from a manual industrial level requires need for problem solving and innovation adaptations.

The need everywhere in the world is for education to prepare students to lead successful, fulfilling lives with relevant educational experiences that nurture their passions, problem-solving abilities, and higher level thinking skills, including critical thinking and creativity. The best engineering education and educators can produce Next Generation Engineers.

SREC aims at producing graduates who prove their worthiness by demonstrating innovative, result oriented and conceptual solutions which are universally recognized and in demand.



Sri. A. Varadhar Reddy  
Chairman  
S R Educational Society



Sri. A. Madhukar Reddy  
Secretary  
S R Engineering College

S R Education Academy is established to provide quality education and produce such graduates who can serve the country at large and to fill the demands of the Society. Presently, the institution is running five Under Graduate Programmes - ECE, EEE, ME, CE and CSE and six PG Programmes - M.Tech (ES), M Tech (EDT), M.Tech (PE), M.Tech (CSE) and M.Tech (AMS) and MBA.



# ELECTRICAL AND ELECTRONICS ENGINEERING







## *Electrical and Electronics Engineering*

### VISION

To develop globally competent electrical and electronics engineers

### MISSION

- Provide comprehensive value based electrical and electronics engineering education to meet the needs of the society
- Train the students in emerging technologies by the faculty with the help of industrial collaborations
- Promote research and consultancy activities in core domain to solve real-world electrical and electronics engineering problems
- Develop technology entrepreneurship skills among students



### *Conferences/Seminars/workshops/FDPs Conducted:*

- ❖ The Department has conducted A Three day workshop on “Entrepreneurship awareness camp (EAC)” by Mr. Sathish Reddy, Advanced training institute, Hyderabad from 1st August 2017 to 3rd August 2017.
- ❖ A Guest Lecture on “Basic Concepts of Electrical Power Engineering” by Mr. Hariji Jatoth, DE, National Power Training Institute, Mulugu Road, Warangal on 30th Aug, 2017.



- ❖ A Guest Lecture on “Demonstration of Microcontroller based and Numerical relays” by Mr. K. Rama Mohanarao, Asst. Manager, L&T Electrical Automation, Hyderabad on 15th September 2017.
- ❖ A Guest Lecture on “Power panel Design, Operation and Maintenance” by Mr. M. Ravindra Chary, Technical Consultant & MD, Switchgear Technologies, Hyderabad on 15th September 2017.
- ❖ A Guest Lecture on “Allen Bradley PLCs & Ladder programming” by Mr. Syed Khaza Moinnudin, Technical Engineer, Electromotion technologies, Hyderabad on 11th December, 2017.
- ❖ The Department has conducted A One day workshop on “Design of PCB” by Mr. K. Ramsha, Asst. Professor, S R Engineering College, Warangal on 31st Jan 2018.
- ❖ A Guest Lecture on “Programmable logic controllers and robotics.” by Mr. Syed KhazaMoinnudin, Technical Engineer, Electromotion technologies, Hyderabad on 5th Mar, 2018.

### *Faculty Publications:*

#### *Journals*

- ❖ Sudhakar AVV, Chandram K, “Bio Inspired Algorithms in Power System Operation: A Review”, IEEE 2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies (ICRTEECT), July 2017, DOI: 10.1109/ICRTEECT.2017.18
- ❖ Sudhakar A V V, Karri Chandram, Jayalaxmi A, “ Equal incremental Fuel Cost Approach for Multi Area Operation of Power System”, Iraq J. Electrical and Electronics Engineering, Volume 13 No. 1, 2017.

## *SR Foundation (SR Innovation Exchange)*

SR Innovation Exchange intends to Create, Connect and Catapult the innovative businesses to their fullest potential. We are bringing together startups, mentors, researchers and academicians to create an inspiring environment to transform ideas into actions. SRiX aspires to be an active catalyst in the growth of Telangana startup eco-system. We are an open incubator welcoming entrepreneurs from across the country.





## *TEDx SREC*

**2 nd Season of TEDxSREC:**

**Theme : INSIDE OUT**

**Date of the event : 17/02/2018**



- ❖ Sudhakar AVV, Chandram K, “Invasive Weed Optimization for Optimal Capacitor Placement on A Radial Distribution System”, International Journal of Electrical Engineering & Technology (IJEET), Vol. 8, Issue 5, Sep-Oct 2017, pp. 9-19.
- ❖ Sudhakar AVV, Chandram K, “Bio Inspired Algorithms in Power System Operation: A Review”, IEEE 2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies (ICRTEECT), July 2017, DOI: 10.1109/ICRTEECT.2017.18
- ❖ K. Arun Kumar , AVV Sudhakar, G. Saajan, “Improved Shunt Active Power Filter for renewable Energy Systems”, IETE International Conference on Recent Trends in engineering, Science and Management, Oct 2017, pp. 38-50.
- ❖ Sudhakar AVV, Chandram K. and Jaya Laxmi A., “Profit Based Unit Commitment for Generating Companies using Lagrange Relaxation-Differential Evolution”, International Journal on Engineering Science and Technology. Vol.20, 2017, pp. 738-747. <http://dx.doi.org/10.1016/j.jestch.2016.11.012>
- ❖ B. Vedik, A. K. Chandel, and KBVSR Subrahmanyam, “Power System State Estimation Using new Adaptive Differential Evolution Technique” Soft computing international journal, July,2017,DOI 10.1007/s00500-017-2715-3.
- ❖ KBVSR.Subrahmanyam, M.Praveen Kumar “Combination of shunt connected converters to synchronize voltage and harmonic current suppression”, International journal of research (IJR), Volume 04 Issue 10 September 2017,Page Nos.678-682.
- ❖ M.Praveen Kumar, Kbv sr. Subrahmanyam “A New Control Strategy of Two Shunt Connected Converters for Synchronized Supply Voltage and Grid current Harmonic Compensation”, International conference on latest research in Engineering Science,12-13 August,2017,Page No.s 274-278.
- ❖ G.Hymavathi, A.Rajamallaiah, KBVSR Subrahmanyam,“Simulation Comparisons and Implementation of Wind Power Based Induction Generator” International Journal of Research, Volume 04 Issue 13 October 2017,Page No.s 513-518.
- ❖ M.Subhash, V.Sripriya and KBVSR Subramanyam “An Enhancement of Power Quality Using Intelligent Unified Power Quality Conditioner to Mitigate Voltage Sag and Swell, Asian Journal of Applied Science and Technology (AJAST) Volume 1, Issue 7, Pages 85-91, August 2017.
- ❖ M.SivaKumar, M.S.Ramakrishna, K.B.V.S.R.Subrahmanyam, V.Prabhandini“Model Order Reduction Of Higher Ordercontinuous Time Systems Using Intelligentsearch Evolution Algorithm,” 2017, IEEE International Conference on Recent Trends in Electrical, Electronics and Computing Technologies.
- ❖ D.Rajababu, Dr.KRaghuram and Dr.G.V. Praveen, “Role of isolated wind generating stations with a special focus on influence of voltage and frequency controllers”, journal of Research, extension and Development, Vol. 5, No. 12, August 2017, ISSN:2319-1899, pp. 18-24



SRIMUN'18 held on 8th & 9th September, 2018



- ❖ Dr. R.Arulmurugan, T.Anushalini, "Design Control Schemes of Three Phase Induction Motor Connected PV System with Voltage Source Inverter," International Journal of Emerging Technology and Advanced Engineering, Volume 7, Issue 10, Oct-2017, ISSN : 2250-2459.
- ❖ M. Mounika Priyadharshini, Dr. R.Arulmurugan, "Analysis of Electrified Application of Transformer Less Hybrid Series Active Filter," International Journal of Innovative Research in Technology, Volume 4, Issue 3, aug-2017, ISSN : 2349-6002.
- ❖ BasettiVedik ,Ashwani K. Chandel, "Optimal PMU placement for power system observability using Taguchi binary bat algorithm", Measurement, 95, 2017, pp. 8-20. (SCI)
- ❖ P.Soumya and Dr. A. Jaya Laxmi, "Energy Saving By Landscaping", National Energy Conservation Week Celebrations, 20th December 2017.
- ❖ B.Reshma, B.Sathyavani "A Multilevel Converter with a Floating Bridge for Open-End Winding Motor Drive" International Journal Of Innovative Research In Technology , August 2017 | IJIRT | Volume 4 Issue 3 | ISSN: 2349-6002.
- ❖ Pasham Janardhan, B.Sathyavani, "Control of Reduced Rating Dynamic Voltage Restorer with Battery Energy Storage System," International Journal for Innovative Engineering and Management Research, Volume 6, Issue 5, July-2017.
- ❖ Enugu Niranjana, B.Sathyavani, "Reducing the Fault Current and Over Voltage in a Distribution System with Distributed Generation Units through an Active Type SFCL," International Journal for Innovative Engineering and Management Research, Volume 6, Issue 5, July-2017.
- ❖ Chandramouli, M.M.Irfan and Hareesh Kumar Yada, "Modelling and Simulation of Seven-Level Cascaded H-Bridge Inverter Based Shunt Active Power Filter for Single-Phase Distribution System" International Conference on Recent Trends in Electrical, Electronics and computing Technologies", at S R Engineering College 30-31 July, 2017.
- ❖ M. Praveen Kumar, K. Srinivas, K. Srikanth, "Power quality improvement in multi feeders fed by wind and solar sources by using mc-upqc", International Conference on Latest Research in Engineering Science (IJRE),3(05).Aug.2107.pp267-273.
- ❖ M. Pravven Kumar, KBVSR Subrahmanyam, "A New Control Strategy of Two Shunt Connected Converters for Synchronized Supply Voltage and Grid Current Harmonic Compensation", International Conference on Latest Research in Engineering Science, Aug-2017.
- ❖ KBVSR Subrahmanyam & M. Praveen Kumar," Combination Of Shunt Connected Converters To Synchronize Voltage And Harmonic Current Suppression", International Journal of Research. 4 (10) 2017, 678-682.
- ❖ S.Shiva Prasad, M. Saikumar, "Simulation of an Improved Active Power Filter Performance for Renewable Power Generation Systems" International Journal Of Innovative Research In Technology (IJIRT), ISSN: 2349-6002, Volume 4, Issue 3, Pages 134 - 138, August 2017.
- ❖ G. Hymavathi, A. Rajamallaiiah, Dr. KVV Subramanyam, "Simulation Comparisons and Implementation of Wind Power Based Induction Generator", International Journal of Research, Volume 04 Issue 13, October 2017, e-ISSN: 2348-6848 p-ISSN: 2348-795X.



## Graduation Day-2018

The Graduation Day – 2018 was held on 30th June, 2018. The students of 2014-2018 passed out were awarded on the day.



- ❖ Dr. Arunlmurugan , Anushalini.T, “Design Control Schemes Of Three Phase Induction Motor Connected Pv System With Voltage Source Inverter” International Journal of Emerging Technology & Advanced Engineering October, 2017, ISSN 2250-2459, Volume 7, Issue 10, pg. no- 18-23.
- ❖ P.Thirumala, V.Sreepriya, “Using Modified Modulation and Double Frequency Ripple Suppression Control Reduce the Capacitance in A Single Phase PV Quasi-Z-Source Inverter”, International Journal of Innovative Researching Technology, Volume 4, Issue 3, ISSN : 2349-6002, Aug-2017.
- ❖ S.Lokeshwari, V.Sreepriya, “An Improved IUPQC for Grid and Load Bus Voltage Regulation”, International Journal of Innovative Researching Technology, Volume 4, Issue 3, ISSN : 2349-6002, Aug-2017.
- ❖ M.Subash, V.Sreepriya, Subrahmanyam KBVSR, “An Enhancement of Power Quality Using Intelligent Unified Power Quality Conditioner to Mitigate Voltage Sag and Swell”, Asian Journal of Applied Science and Technology, Vol. 1, Issue 7, Pages 85-91, Aug-2017.
- ❖ Dr. KBVSR Subrahmanyam , Dr. Ram Deshmukh, Sravan Kumar Appani, Sai GopiBudagam, SoumyaKasam, MounikaGugulothu, KaveriThurpati, “Automatic EB DG Switching Operation Using PLC and HMI, International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 03, Mar-20
- ❖ Sudhakar AVV, Chandram K. and Jaya Laxmi A., “A Hybrid LR - Secant method - Invasive Weed Optimization for Profit Based Unit Commitment”, International Journal of Power and Energy Conversion, Vol. 9, No. 1, pp. 1-24, 2018.18, Pages 3210-3213.
- ❖ Sudhakar AVV, Chandram K. and Jaya Laxmi A., “Optimal Bidding Strategy in Deregulated Power Market Using Invasive Weed Optimization”, Accepted for Springer Book Series-Advances in Intelligent Systems and Computing).2018
- ❖ Dr. KBVSR Subrahmanyam , Dr. Ram Deshmukh, Sravan Kumar Appani, Sai GopiBudagam, SoumyaKasam, MounikaGugulothu, KaveriThurpati, “Automatic EB DG Switching Operation Using PLC and HMI, International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 03, Mar-2018, Pages 3210-3213.
- ❖ Dr.R.Arulmurugan, T.Anushalini, “Implementation of Fuzzy Controlling Structure of PV-FC for a Gird Connected System”, 4th International conference on Electrical Energy Systems, Dept. of EEE, SSN College of Engineering, Kalavakkal, Chennai, 07-09 February 2018. with Index in IEEE xplorerDOI: 10.1109/ICEES.2018.8443202 <https://ieeexplore.ieee.org/document/8443202/>
- ❖ Dr.R.Arulmurugan, Mr.A.Chandramouli , “Design and implementation of a nine-level inverter with shunt active filter for distributed system” 4th International conference on Electrical Energy Systems, Dept. of EEE, SSN College of Engineering, Kalavakkal, Chennai, 07-09 February 2018. Index in IEEE xplorer DOI: 10.1109/ICEES.2018.8444145



❖ VedikBasetti, Ashwani Kumar Chandeland K. B. V. S. R. Subramanyam.: ‘Power system static state estimation using JADE adaptive differential evolution technique’, Soft Computing, 22 (21), 2018, pp. 7157-7176. (SCI) DOI:

❖ M.M.Irfan,A.Rajamallaiah, Syed Mustak Ahmed, “ Paradigm shift in the Engineering curriculum: Design Thinking” Journal of Engineering Educational Transformations, JEET through ICTIEE-18 organized by IUCEE

❖ M.M.Irfan, Syed Mustak Ahmed, K.Rajkumar “Fostering creativity, innovation and entrepreneurial mindset in the Engineering curriculum: Design Thinking” Journal of Engineering Educational Transformations, JEET through ICTIEE AP-18 organized by IUCEE.

❖ Praveen Kumar.” Improved Power Quality in Multilevel Converters using Non Regenerative Power Cells in Single-Phase Connection”, HBRP Publication Ltd, 1 (1) 2018.

❖ Anushalini.T, Dr.Arunlmurugan, “Implementation Of Fuzzy Controlling Structure Of Pv-Fc For A Grid Connected System”, Conference on Electrical Energy Systems (ICEES) on 03-09-2018. Xplore Content Received - Conference Record #43237 - 2018 10 ISBN: 978-1-5386-3695-4 7-9 Feb. 2018. DOI: 10.1109/ICEES.2018.8443202

❖ GovilAlok, T.Anushalini, Sridhar Condoor, “Effective Approach Towards Development Of Idea Through Foundation To Product Design”, Journal of engineering education transformation, vol 31no:3 jan 2018 ISSN2349-2473,eISSN2394-1707, Page no: 47-52.

❖ S. Ganguly, C.K. Shiva and V. Mukherjee “Frequency stabilization of isolated and grid connected hybrid power system models”, J. Energy storage (Elsevier), 19 (2018) 145-159.

❖ M. Nandi, C.K. Shiva and V. Mukherjee, A Moth-Flame Optimization for UPFC-RFB-Based Load Frequency Stabilization of a Realistic Power System with Various Nonlinearities, Iranian Journal of Science and Technology, Transactions of Electrical Engineering (Springer), 2018.

❖ G. Satheesh, B. Basavaraja and Pradeep M. Nirgude, “Electric Field Simulation Around Contaminated SIR Insulators Using MATLAB”, Engineering, Technology and Applied Science Research (ETASR), Vol.8, Issue 1, 2018, pp. 2542-2545.

❖ RamshaKarampuri, Sachin Jain and V. T. Somasekhar, "Common-Mode Current Elimination PWM Strategy along with Current Ripple Reduction for Open-Winding Five-Phase Induction Motor Drive," in IEEE Transactions on Power Electronics, vol. x, no. x, pp. xx, 2018. doi: 10.1109/TPEL.2018.2873692

❖ Veeramsetty, Venkataramana, ChinthamVenkaiah, and DM Vinod Kumar. "Hybrid genetic dragonfly algorithm based optimal power flow for computing LMP at DG buses for reliability improvement." Energy Systems 9.3 (2018): 709-757.

❖ Veeramsetty, V., Chintham, V., & Vinod Kumar, D. M. (2018).Proportional nucleolus game theory-based locational marginal price computation for loss and emission reduction in a radial distribution system. International Transactions on Electrical Energy Systems, 28(8).

Traditional Day





● SR Group of Institutions Staff Tournament

SR Group of Institutions Staff Tournament was held between 15th to 21st November, 2017.the various events held for the faculty were Cricket, Volley Ball, Badminton, Throwball, Carroms

● Inter Engineering Collegiate Staff (T-20) Cricket Tournament

The Inter Engineering Collegiate Staff (T-20) Cricket Tournament was held between 11th Feb to 04th Mar 2018.



● Achievements in Sports:



Participation to Inter Collegiate Tournaments 2017-18

● 3rd Runner up of 16th SR Champions Trophy 2018 conducted by SR Engg. College, Warangal, South India Inter Engineering Collegiate T-20 Cricket Tournament from 03rd to 09th January, 2018.

❖ VenkataramanaVeeramsetty, VenkaiahChintham, Vinod Kumar D.M., (2018) “LMP computation at DG buses in radial distribution system.” International Journal of Energy Sector Management, 12(3), 364-385

❖ M. Praveen Kumar, K. Dhanraj and Dr.KBVS Subrahmanyam, “A Study towards the Evaluation and Problems Related To Power Quality” International Journal of Engineering & Technology, 7 (3.24) (2018) 529-531.

Student Achievements

Title of the Publication/ Event	Name of the student(s)	Organizers	Date of the Publication
Line follower ROBOT	K. Sri Charan Reddy	KUCE	04/11/2017
Electrical System Design	M. Bhargavi	Hyderabad institute of Electrical Engineers.	25/11/2017
Relays & Protective Devices	N. Karthik	Advanced Training Institute	27/11/2017-01/12/2017
Relays & Protective Devices	V. Venkatesh	Advanced Training Institute	27/11/2017-01/12/2017
Hybrid and Electric vehicles	K. Sri Charan Reddy	Bits Pilani, Hyderabad	16-22/12/2017
Hybrid Electrical vehicles	K. Sri Charan Reddy	BITS Pilani Hyderabad	22/12/2017
Allen bradley PLC and Ladder Programming	M. Pranil Kumar	ATI-EPI Ramanthapur	26/12/2017-29/12/2017
Allen bradley PLC and Ladder Programming	Ch. Sahithi	ATI-EPI Ramanthapur	26/12/2017-29/12/2017
Allen bradley PLC and Ladder Programming	Ch. Nirosha	ATI-EPI Ramanthapur	26/12/2017-29/12/2017
Allen bradley PLC and Ladder Programming	G Bhavani	ATI-EPI Ramanthapur	26/12/2017-29/12/2017
Allen bradley PLC and Ladder Programming	Mohammad Mustafeed	ATI-EPI Ramanthapur	26/12/2017-29/12/2017
IUCEE-Scale	K. Sricharan Reddy	Thiagarajan College of Engineering college	05/01/2018 to 07/01/2018
Technozion-17	B.Priyanka	NITW	12/02/2018
IoT Hackathon-18	K. Sri Charan	SR-CISCO Networking Academy	15/02/2018
Startup Utsav	K. Sri Charan	KITS,Warangal	15 to 16/02/2018
Utkraanti-18	K. Sri Charan	IITK	25 to 26/02/2018



Utkraanti-18	B.Abhilash	IIT Kharagpur	25-26/02/2018
Utkraanti-18	Syed Ismail Pasha	IIT Kharagpur	25-26/02/2018
IoT Hackathon-18	B.Abhilash	SR-CISCO Networking Academy	15/02/2018
Robocon-2018	K. Bharathkumar	DoordarshanIndia and MIT academy, Pune	03/03/2018
Filed Technician- computing and peripherals	S. Goutham	National Skill Development Corporation	11/03/2018
Automatic EB DG switching operation using plc and HMI	Sai Gopi Budagam	International Research Journal of Engineering and Technology (IRJET)	15/03/2018
Automatic EB DG switching operation using plc and HMI	SoumyaKasam	International Research Journal of Engineering and Technology (IRJET)	15/03/2018
Automatic EB DG switching operation using plc and HMI	MounikaGugulothu	International Research Journal of Engineering and Technology (IRJET)	15/03/2018
Automatic EB DG switching operation using plc and HMI	Kaveri Thurpati	International Research Journal of Engineering and Technology (IRJET)	15/03/2018
PLC Programming contest	B. Malavika	Electromation Technologies	10/04/2018
PLC Programming contest	A. Raja Venkata Srinivas	Electromation Technologies	10/04/2018
PLC Programming contest	P. Gayathri	Electromation Technologies	10/04/2018
Failures and Maintenance practices of Traction Motors	B. Goutham	Electric Loco Shed, Kazipet	16/05/2018-22/05/2018
Failures and Maintenance practices of Traction Motors	S. Mahesh	Electric Loco Shed, Kazipet	16/05/2018-22/05/2018
Failures and Maintenance practices of Traction Motors	K Sri Charan Reddy	Electric Loco Shed, Kazipet	16/05/2018-22/05/2018
Failures and Maintenance practices of Traction Motors	V. Akhil	Electric Loco Shed, Kazipet	16/05/2018-22/05/2018
Operational Description of 400kV switch yard	MD Sameer Pasha	NTPC Ltd, Ramagundam	16/05/2018-31/05/2018

### *Inter Departmental Sports Competitions for Boys & Girls (Phase - I)*

The Inter Departmental Sports Competitions for boys and girls was conducted between 28th July to 5th Aug 2017. Dr. V. Mahesh, Principal was present during the inauguration. The various events held were Basket Ball, Volley Ball, Foot Ball, Badminton, Table Tennis, Kabbadi, Kho - Kho, Chess, Throwball, Cricket, Athletics etc.



### *Inter Departmental Sports Competitions for Boys & Girls (Phase - II)*

The Inter Departmental Sports Competitions for boys and girls was conducted between 12th to 30th December 2017. Dr. V. Mahesh, Principal was present during the inauguration. The various events held were Foot Ball, Cricket, Athletics etc.



## Department of Physical Education and Sports

Department of Physical Education and Sports regular organizes sports activities both for the students and faculty. The aim of the department is to build the culture of sports and games so as to keep fit for taking up activities. This year several activities are being organized by inviting several dignitaries

### Faculty Achievement:



Mr. P. Sreenivas, Physical Director was awarded Ph.D degree on 25th March, 2018 in Dravidian University, Kuppam, Andhra Pradesh State for his work on "Comparative Analysis of Motor Fitness and Body Composition among the Basket Ball, Volley Ball and Foot Ball Players", from Department of Physical Education Jawaharlal Nehru Technical University Hyderabad, Telangana State.

### 16th SR Champions Trophy



The 16th South India Inter Engineering Colligate (T-20) cricket tournament SR Champions Trophy-2018 was organized and conducted from 3th to 19th January-2018. Students from the Andhra Pradesh, Karnataka, Tamil Nadu, Kerala states participated in the tournament. Dr. G. Vivekanandha Venkata Swamy, President Hyderabad Cricket Association & Advisor Govt. of Telangana State, was the chief guest during the event.

### Honors:

Bheema Rohith 14K41A0211 Secured 85.34%



### Placements:

Name of the Company	No. of Students Placed
WIPRO	2
RRRK	6
Just dial	5
HGS	10
Wonjin	07
Face Academy	06
AXA	03
Samraj Industries	04
Electromation Technologies	05
Intelent for Google	04
Infosys	01



# CIVIL ENGINEERING



- ❖ Students presented their ideas during 'EPICS- Poster Presentation' event, organized during every semester.
- ❖ Product Expo-V was organized on 01-10-2018. Students demonstrated their products and explained about the community feedback. Experts from SRIX Incubation centre visited the Expo and appreciated the students
- ❖ 10 faculty members and 11 students attended EPICS workshop at MLRIT and also student teams participated in the project expo exclusive for EPICS, July 2017.
- ❖ 20 faculty members from SREC registered and completed the design thinking course organized by IUCEE in collaboration with Purdue University. They participated in ICTIEE-18 at TCE Madhurai and Bennett University, Noida Jan-2018 and presented posters on their course work.



## NGOs Meet:

Under EPICS Centre, NGOs meet organized to interact with the community partners and get signed the agreement for the collaborative work. Sahrudaya old age home, Spandana trust for orphanage, Mallikamba manovikasa school, sarvodaya youth org.etc attended the meet.

EPICS in IEEE: As SREC is in MoU with EPICS in IEEE, the phase-I evaluation of the 15 projects done by the external team (MLRIT & SRKR) and 10 ideas were shortlisted for the next level implementation.

## Products Delivered:

After the detailed design and testing of the products, they will be delivered to the users through community partners. Adjustable tri-cycle to the physically handicap hostel, Paddy transplanter to the farmer and AS Mask to the traffic police etc.



Delivering products to the community partners



## IUCEE - EPICS

Engineering Projects in Community Service (EPICS) started in the year 2015 as an open elective credit course for the third year students of all disciplines and gradually developed as a centre and now organizing multiple events every semester.

**Mission:** To address the unmet needs of the Warangal people through community engagement that integrates the engineering skills with empathy and compassion.

### Achievements and MoUs:

- ❖ MoU with EPICS in IEEE and Purdue University, USA
- ❖ Consortium Member of IUCEE-EPICS
- ❖ Recognized for the excellence of EPICS Activities by IUCEE at TCE, Madurai during ICTIEE-2018
- ❖ MoU with NGOs like Bala vikasa, Sai Seva trust, Sahrudaya old age home and SNEHA etc as the community partners for the student projects.



Receiving EPICS award at ICTIEE-18



Student team won first prize at ICTIEE-18

### Activities:

- Three day workshop organized on “Social Entrepreneurship” in collaboration with Vikasa International Centre, Hyd (Balavikasa NGO) 10-12 June 2017.



Workshop on ‘Social Entrepreneurship’

## Civil Engineering

### VISION

To be a leader in developing competent Civil Engineers

### MISSION

- ❖ Build Civil Engineering knowledge in students by implementing novel educational strategies
- ❖ Develop effective instructional infrastructural resources.
- ❖ Promote interdisciplinary learning
- ❖ Contribute to the growth of Civil Engineering through community service, consultancy and research



### *Conferences/Seminars/workshops/FDPs Conducted:*

- ❖ A Guest Lecture on “Building Information Modelling” delivered by Dr. K Venkata Reddy, NIT, Warangal under IE Student Chapter on 05th July 2017.
- ❖ A Guest Lecture on “Career Guidance” delivered by Dr. E. Muneender, Founder & Honorary, Advisor of Vishwa Educate under IE Student Chapter on 14th July 2017.
- ❖ A Guest Lecture on “New Technology Methods and Techniques in Civil Engineering” delivered by Dr. P. Rathish Kumar, NIT, Warangal under IE Student Chapter on 18th August 2017.
- ❖ A Guest Lecture on “Development of Smart Cities in India” delivered by Dr. B. Umesh, NIT, Warangal under IE Student Chapter on 13th September 2017.
- ❖ A Guest Lecture on “Seismic Design” delivered by Dr. B. Kavitha, NIT, Warangal under IE Student Chapter on 24th October 2017.
- ❖ A seminar on “Industry Institute Interaction Program on Concrete Technology” delivered by Ultratech Group under IE Student Chapter on 15th and 16th February 2018.
- ❖ A training program on “Application GIS to Environmental Problems” delivered by Dr. Gorthi Kasi Viswanadh Professor & Director, UGC-HRDC JNTUH FIE in SREC, Warangal under IE Student Chapter on 15th February 2018.
- ❖ A workshop on “Comsole” delivered by Comsole in SREC, Warangal under IE Student Chapter on 28th January 2018.
- ❖ A Guest Lecture on “Adapting Climate Change” delivered by Dr. Ajey Kumar Patel, NIT, Warangal under IE Student Chapter on 07th January 2018.

### *Faculty Publications:*

#### *Journals/Conferences*

- ❖ S.Goverdhan Reddy, G. V. Praveen (2017). Field Investigation on Wall Facing Deformation of Mechanically Stabilized Earth (MSE) Walls Constructed using Cement Modified Marginal Soil with Built-In Facing. International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), 2(9).
- ❖ S.Haripriya Varma, Shaik Khader Vali Baba (2017). Accident Analysis on National Highway 202. International Journal of Civil Engineering & Technology(IJCIET), 8(10).
- ❖ Shaik Khader Vali Baba, SandelaHaripriya (2017). Performance Analysis of Black Cotton Soil Treated with Granite Dust and Lime. International Journal of Civil Engineering & Technology(IJCIET), 8(10).
- ❖ G.V. Praveen, Pandu Kurre (2017). Fostering Engineering Education Through Industry-Institute Interaction. International Journal of Advance Research in Science and Engineering(IJARSE), 6(8).

- ❖ Guest Lecture on “Concepts of Electrical Power Engineering” delivered by Mr. Harjith Jathoth DE, NPTI, Mulugu Road, Warangal on 30/08/2017.



- ❖ A Guest Lecture on “Renewable Energy Systems Course Delivery” delivered by Mr.S.Jithender Reddy, O&M, Manager , Arhyama Solar Power Pvt Ltd, Aler.
- ❖ For IV EEE Students visit of Electric Loco Shed, Kazipet, Warangal on 26/08/2017



- ❖ III Year students Visit to Distribution Substation, Mulugu Road, Warangal on 15/09/2017





- ❖ Expert lecture by Mr Ravindra chary of Switchgear technologies and technical services .Cherllapelly “Power panel board design, operation and maintenance ”
- ❖ Demonstration of Microcontroller based and Numerical relays by Mr. K. Rama Mohanarao, Asst. Manager, L&T Electrical Automation, Hyderabad
- ❖ Field visit for second year EEE B section students of 45 strength, with three faculty members (A.V.V. Sudhakar, Umendhar, Sravani) to “Maintenance Unit of Power Transformer”, 15th February 2017 at MULUGU Cross Roads, Hanmakonda, Warangal.



- ❖ IV EEE Students visit of Electric Loco Shed, Kazipet,Warangal on 26/08/2017



- ❖ Industry Visit to BHEL Hyderabad for III Year EEE Students
- ❖ Course Delivery by Industry Expert on Switch Gear and protection Mr.Syed Moinuddin, Electroma- tion Technologies, Hyd delivering course on SGP



- ❖ MD Ikramullah Khan, M . Sravanthi, E. Laxmi Prasanna (2018). An Experimental StudyofThe Mechanical Properties of S Glass Fiber Reinforced High Strength Concrete PartiallyReplacing Cement with Nano Silica. International Journal of Civil Engineering anTechnology (IJCIET), 9(4), 1398-1409.

Placements:

Name of the Company	No of Students Placed
RVM Construction Pvt. Ltd	21
Tata Projects	04
TBSS	01
Tvarana Software Solutions	04
Cloud Machine	09
Tech Mahindra	01
Kasturi Infotech	04
Intelenet For Google	11



# COMPUTER AND SCIENCE ENGINEERING



## *Industry Institute Partnership Cell*

The Industry-Institute Partnership Cell (IIPC) of the college is a dedicated cell Working towards, to promote the close interaction with Industry and various departments of the institute ,to train and develop the right kind of technical manpower necessary to sustain and promote industrial and economic growth.

### **Mission**

- Forge industry and professional body alliances to accomplish technology transfer and meet societal needs.
- To develop linkages with world class R&D organizations and educational institutions in India and abroad for excellence in teaching, research and consultancy practices.
- To arrange industry visits and industrial trainings for the faculty and students

### **Objectives**

- Organizing workshops, conferences and symposia with joint participation of the academicians and the industries.
- Inviting industry experts to contribute in curriculum development in line with current industry requirements.
- To provide technical and non-technical consultancy services and training to industries particularly small scale & rural industries.
- Deputing faculty to industry for study and discussions or delivering lectures on subjects of mutual interest.
- To develop the Innovative Products
- Setting up of technology parks in collaboration with alumni and industry for cost effective opportunity for R&D leading to marketable products.
- Organizing the Industry Institute Interaction meets & Trade fairs
- Sending the students for Internships

### **Activities under IIPC**

- Expert talk by N. Venkatesh, Senior Vice President of Advanced Technologies at Red Pine Signals on "High Technology Internship Entrepreneurship for Engineers"
- Expert talk by Dr. Krishna Manohar, CEO, Tech. Moven, Hyderabad on "Image processing using MATLAB"
- Expert talk by Athif shah, Chairman/ Managing Director, ABE Semiconductor Design, Chennai on "Applications of Raspberry Pi in IOT"



# INDUSTRY INSTITUTE PARTNERSHIP CELL

*Computer Science and Engineering*

## VISION

Be a leader in promoting Computer Science and Engineering education.

## MISSION

- Build Computer Science and Engineering Knowledge in students by implementing novel educational experiences.
- Develop effective instructional infrastructure resources.
- Promote interdisciplinary learning
- Contribute to community development activities.





*Conferences/Seminars/workshops/FDPs Conducted:*

❖ A 4 -Day Workshop on “Algorithmic thinking” was organized on 14th July 2017 to 18th July 2017.



❖ A One day Workshop on “Introduction of new technology: Big Data” was organized on 20th Feb 2018.

❖ A One day Workshop on “Software Testing Tools” was organized on 15th Mar 2018.

❖ An Expert Talk on “Cognitive Skills” was delivered by Sri. Sridar Candoor and Professor Daniel, on 11/8/2017.

❖ An Expert Talk on “Strategic Planning” was delivered by Mohmed Khasim khan on 25th September 2017

❖ An Expert Talk on “Cognitive Skills” was delivered by Sri. Sridar Candoor, on 21/08/2017 for students

❖ A Guest lecturer on “Introduction to Engineers” was organized on 10th January 2018

❖ A Guest Lecture on “Data analytics” was delivered by V.Srikar, Team lead, Pega systems on 12th June 2017.



*Conferences/Seminars/workshops/FDPs Attended:*

❖ M.Rajesh, Asst. Prof, attended a FDP on “Engineering Educator Training Program” held from 22nd July to 18th January,2018 organized by SR Engineering College.

❖ D.Mahesh, Asst.Prof, attended a FDP on “Engineering Educator Training Program” held from 22nd July to 18th January,2018 organized by SR Engineering College.

❖ Nagendar Yamsani, Asst. Prof, attended a One Week Seminar on “Emerging Trends in Wireless Networks” held from 21st May to 25th May,2018 organized by DST,SERB at KITS Warangal.

❖ Nagendar Yamsani, Asst. Prof, attended a Workshop on “Research Methodology” held from 4th January to 6th January,2018 organized by KL University.

❖ Dandi Ramesh, Asst. Prof, attended a FDP on “Android Developer Fundamentals” held on 1st May to 5th May,2018 organized by Google Developers.



❖ Mr. D. Srinivas published a paper titled, “Public Sector Banks Role in the Growth of Commercial Banking in India - A Study”, at ITIHAS - The Journal of Indian Management, volume 7, issue 4, pp. 69-73, ISSN: 2249-7803 (P) ISSN: 2456-7302 (O), GIF 0.454, in October 2017.

❖ Mr. D. Srinivas published a paper titled, “A new technique to secure data over cloud”, at Journal of Advance Research in Dynamical and Control systems, volume 11, issue 11, pp. 391-396, Scopus indexed, ISSN: 1943-023X, in July 2017.

### Conferences:

❖ Ms Kafila, presented a paper in National conference organized by Aristotle PG College, Hyderabad on 4th March 2017. title “A New technique to secure data over cloud”.

### Research Projects:

❖ Dr. N. Suman Kumar is the principal investigator of the project titled, “A study of Impact of Incubators on economy and designing a Incubator performance indicator framework”, funded by Department of Science and Technology (NSTMIS) and sanctioned on 21/3/2018. Duration of the project is 3 years (2018 to 2021)

### Faculty Achievement

❖ D.SRINIVAS, Assistant professor had successfully completed IUCEE International Engineering Educator Certificate programme during Sep, 2016-Aug 2017, Organised by Indo Universal Collaboration for Engineering Education (IUCEE).



### Industrial Visit

❖ Students of MBA Final year along with faculty have visited Mulkanoor Co-Operative Society, Karimnagar Dist, in Jan 2017. The students have visited Mulkanoor Dairy Unit, Rice Mills, to Observe various Marketing, Financial and HR Operations.

❖ Dadi Ramesh, Asst. Prof, attended a FDP on “Machine Learning” held from 12th March to 17 th March, 2018 organized by E & ICT,NITW.

❖ Dadi Ramesh, Asst. Prof, attended a FDP on “5-Day FDP on "Engineering Exploration"” held from 14th May to 18th May,2018 organized by KLE,Hubballi.

❖ Dadi Ramesh, Asst.Prof, attended a Workshop on “IUCEE international Engineering Educator Pre-Certification Workshop” held from 6th March to 8th March,2018 organized by S R Engineering College.

❖ Dadi Ramesh, Asst. Prof, attended a Workshop on “Best Practices on Python & RDBMS” held from 29th January to 2nd February,2018 organized by Vignan Bharathi,Hyderabad.

S.Naresh, Asst. Prof, attended a FDP on “"Facilitation Skills"” held on 3rd January to 5th Janurary, 2018 organized by Svs Groups,HNK

❖ Srinivas Aluvala, Asst. Prof, attended a Workshop on “Global IPD Week-Cisco” held from 26th February to 2nd March,2018 organized by SR Engineering College.

❖ Bhavana Jamalpur, Asst.Prof, attended a Workshop on “IUCEE international Engineering Educator Pre-Certification Workshop” held from 6th Marcch to 8th March,2018 organized by SR Engineering College.

❖ Ch.Sandeep, Asst.Prof, attended a Workshop on “IUCEE-EPICS” held from 6th July-8th July,2016 organized by MLR,Hyderabad.

❖ Ch.Sandeep, Asst.prof, attended a FDP on “Two Day FDP on "Introduction to Mobile App Development"” held from 4th December to 5th December organized by SR Engineering college.

❖ Ch.Sandeep, Assoc.Prof, attended a Seminar on “One Week Seminar on "Emerging Trends in Wireless Networks"” held from 21st May to 25th May,2018 organized by DST,SERB.

❖ Bhavana Jamalpur, Asst.Prof, attended a FDP on “Big Data Analytics” held from 21st May to 25th May, 2018 organized by E & ICT,NITW.

❖ Sallauddin Mohmmad, Asst.Prof, attended a Workshop on “To Train the Trainers for Implementation of INDUCTION PROGRAM” held from 19th May,2018 organized by TEQIP-III,JNTUH.

❖ Srinivas Aluvala, Asst.Prof, attended a Workshop on “Global IPD Week,February-March-2018” held from 26th February to 2nd March,2018 organized by Cisco.

❖ Syed Nawaz Pasha, Asst.Prof, attended a course on “IUCEE-EPICS Design Thinking Course” held from August 2017 - January 2018 organized by Purdue University,US.

❖ P.Kumara Swamy, Asst.Prof, attended a course on “IUCEE-OBE Course” held from September 2017 - January 2018 organized by KLE,Hubballi

❖ G. Sunil, Asst.Prof, attended a One Week Seminaron “Emerging Trends in Wireless Networks” held on 21st May to 25th May,2018 organized by DST,SERB.

❖ M.Sheshikala, Asst.Prof, attended a FDP on “Internet of Things” held on 30th Nov to 9th Dec,2017 organized by E & ICT,NITW.



❖ M.Sheshikala, Asst.Prof, attended a FDP on “Introduction to Mobile App Development” held on 04 Dec 2017 and 05 Dec 2017 organized by SR Engineering College.

❖ P.Pramod Kumar, Asst.prof, attended a FDP on “Two Day FDP on "Introduction to Mobile App Development"” held on 4th December to 5th December organized by SR Engineering college.

❖ P.Pramod Kumar, Asst.prof, attended a FDP on “Quality Assurance in Higher Educational Institutions and Industries” held on 19th to 23rd July,2017 organized by TSCHE,ISTE -KITS,Warangal.

❖ M.Rajesh, Asst.prof, attended a FDP on “Two Day FDP on "Introduction to Mobile App Development"” held on 4th December to 5th December organized by SR Engineering college.

❖ M.Rajesh, Asst.prof, attended a Workshop on “Two Day Workshop "Web Animation Using Adobe Flash"” held on 30th June to 1st July,2017 organized by ACM Student chap,CSE,SR Engineering College.

❖ D.Mahesh, Asst.prof, attended a Workshop on “Two Day Workshop "Web Animation Using Adobe Flash"” held on 30th June to 1st July,2017 organized by ACM Student chap, CSE, S R Engineering College.

❖ A.Soumya, Asst.prof, attended a Workshop on “Two Day Workshop "Web Animation Using Adobe Flash"” held on 30th June to 1st July,2017 organized by ACM Student chap, CSE, S R Engineering College.

❖ Sampath Kumar Tallapally, Asst.prof, attended a Workshop on “Two Day FDP on "Introduction to Mobile App Development"” held on 4th December to 05th December,2017 organized by SR Engineering college

❖ Dr.D.Kothandaraman, Asst.prof, attended a Workshop on “One Day Workshop "Integration of E-Learning Modules On Entrepreneurial Thinking into Engineering and CS"” held on 17th November,2017 organized by SRIIT,Hyderabad

❖ Goje Roopa, Asst.prof, attended a FDP on “Two Day FDP on "Introduction to Mobile App Development"” held on 4th December to 5th December organized by SR Engineering college

❖ B.Vijay Kumar, Asst.prof, attended a FDP on “Networking Simulation Using Qualnet Software” held on 14th September,2017 organized by Dellsoft,Tech

❖ Dr.R.Vijaya Prakash, Asst.prof, attended a Workshop on “"Research in Engineering Education"” held on 20th to 21st December,2017 organized by SR Engineering college

❖ Srinivas Aluvala, Asst.prof, attended a FDP on “Networking Simulation Using Qualnet Software” held on 14th September,2017 organized by Dellsoft,Tech,SR

❖ Srinivas Aluvala, Asst.prof, attended a Workshop on “Global IPD Week” held on 8th to 12 th May,2017 organized by Cisco ,SR

❖ Srinivas Aluvala, Asst.prof, attended a FDP on “Internet of Things” held on 30th November to 9th December,2017 organized by E & ICT Academy,NIT

❖ Dr.K.Seena Naik, Asssoc.prof, attended a Workshop on “Software Engineering and Testing Methodologies” held on 5th May-14th May,2017 organized by E & ICT Academy,NIT

❖ Mr.E.Ramesh attended a Workshop on “International Engineering Educator” organized by IUCEE from 6th to 8th March 2018.

❖ Mr.S. Parminder singh Asst.Prof attended a workshop FDP On “Operations and challenges of L&T Metro Project” organized by HMA, L&T Metro, Hyderabad on 4th April,2018.

## *Faculty Publications*

### *Journals*

❖ Mr. E. Ramesh published a paper titled, “A Study of investors attitude towards mutual funds”, at International Journal of Engineering Technology Science and Research, volume 5, issue 5, pp. 355-363,IF.2.4, ISSN Online: 2394-3386, in May 2018.

❖ Ms. M. Rajyalaxmi published a paper titled, “Work life balance of working women professionals-A Study of women in different sectors in Warangal region”, at International Journal of Civil Engineering and Technology, Volume 9, Issue 4, pp. 446-451, Scopus indexed (9.782)/ IBI 4.19, ISSN: Online: 0976-6316, in April 2018.

❖ Mr. E. Ramesh published a paper titled, “Study on the Impact of Debt on Financial Health of Select Companies”, at International Journal of Magazine of Engineering, Technology, Management & Research, volume 5, issue 2, ISSN: 2348-4845, in February 2018.

❖ Ms. Kafila published a paper titled,” Impact of Foreign Institutional Investments on Sensex Movements” at International Journal of Mechanical Engineering & Technology, volume 9, issue 1, pp. 1010-1021, Scopus indexed (9.2286)/ IBI 3.46, ISSN: 0976-6340, in January 2018.

❖ Mr. G. Satheesh Raj & Mr. S. Parminder Singh published a paper titled,” Business Model practices in Indian retail sector: A Conceptual Study” at Indian Journal of Commerce and Management Studies, volume 9, issue 1, pp.24-28, IF. 2.6, ISSN: 2249-0310, in January 2018.

❖ Mr. E. Ramesh published a paper titled, “Review on Trends of Indian Venture Capital & Private Equity”, at International Journal of Magazine of Engineering, Technology, Management & Research, volume 5, issue 1, pp.481-485, ISSN: 2348-4845, in January 2018.

❖ Mr. E. Ramesh published a paper titled, “A Study on the Financial Inclusion and its evolution in India”, at International Journal of Magazine of Engineering, Technology, Management & Research, volume 4, issue 11, pp.481-485, IF. 3.554, ISSN: 2348-4845, in November 2017.

❖ Ms. Kafila & Mr. G. Satheesh Raj published a paper titled,” Engineering Entrepreneurship from Job Seekers to Job Providers” at International Journal of Mechanical Engineering & Technology, volume 8, issue 11, pp. 735-738, Scopus indexed (9.2286)/ IBI 3.46, ISSN: 0976-6340, in November 2017.

❖ Mr. E. Ramesh published a paper titled, “A Study on the impact of FDI on Indian Retail Sector”, at International Journal of Magazine of Engineering, Technology, Management & Research, volume 4, issue 10, pp.459-463, IF. 3.554, ISSN: 2348-4845, in October 2017.



- ❖ A Guest Lecture on “World is changing are we ready” by Dr. Venkatesh Kulkarni, J.K. Agri Genetics Ltd., has addressed MBA and IMBA Students about the approaches to measure R&D, Improvements across countries and updations required by students on 16-11-2017.



- ❖ A Guest Lecture has been conducted on “Black Chain & Crypto Currency by Mr. Radhakrishna Thatavarti, CEO&Founder of Oxyloans, Founder Blockchain Pioneers Association, Dubai on 28-02-2018.



### Conferences/Seminars/workshops/FDPs Attended:

- ❖ Ms. Rajya laxmi, attended a FDP On “ Engineering educator Program” Conducted by SREC from 22/2/17 to 18/1/18
- ❖ Ms. Kafila attended a Wokshop On “ Teaching Methods on 21st Century” Conducted by IDA from 19th to 21st , September, 2017.
- ❖ Mr. D. Srinivas, Asst Prof, attended a Workshop on “Research Engineering Education” conducted by IUCEE, from 20th and 21st Dec, 2017
- ❖ Ms. Kafial and Ms. Rajya laxmi, and Mr Satish Raj attended a short term Course On “ Project Management” organized by IUCEE from Sept 2017 to Jan 2018.
- ❖ Mr. D. Srinivas, Asst Prof, attended a Workshop on “Data analysis using SPSS” conducted by Vagdevi PG College Warangal, from 19th to 25th Jan 2018.

- ❖ Dr.K.Seena Naik, Asst.prof, attended a Workshop on “smart Tap -IoT” held on 20th to 29th November,, 2017 organized by E & ICT Academy,NIT

- ❖ K.Sudheer Kumar, Asst.prof, attended a Seminar on “Two Day National Seminar on "JINI Technology"" held on 1st and 2nd December,2017 organized by Jayamukhi college,Narsampet

- ❖ Y.Chanti, Asst.prof, attended a Workshop on “Software Engineering and Testing Methodologies” held on 16th May-14th May,2017 organized by E & ICT Academy,NIT

- ❖ Dr.K.Seena Naik, Asssoc.prof, attended a Workshop on “Software Engineering and Testing Methodologies” held on 16th May-14th May,2017 organized by E & ICT Academy,NIT

- ❖ Dr.R.Vijaya Prakash, Asssoc.prof, attended a Workshop on “Software Engineering and Testing Methodologies” held on 16th May-14th May,2017 organized by E & ICT Academy,NIT

- ❖ Dr.D.Kothandaraman, Asssoc.prof, attended a Workshop on “Software Engineering and Testing Methodologies” held on 16th May-14th May,2017 organized by E & ICT Academy,NIT

### Faculty Publications

#### Journals

- ❖ Mr. A. Harshavardhan, published a paper entitled “An Effective Implementation of Faulty Node Detection in Mobile Wireless Network” in International Journal of Advanced Research in Computer Science. ; Vol. 8, Issue 8, page number from 705-708 (September-October 2017).

- ❖ Mr. A. Harshavardhan, published a paper entitled “Brain Tumor Segmentation Methods – A Survey” in Jour of Adv Research in Dynamical & Control Systems, ; Vol. 2017 special issue 11, Issue 11, page number from 240-245 (July2017).

- ❖ Mr. A. Harshavardhan, published a paper entitled “A Survey on Brain Tumor Segmentation Methods with the Remedial Approach” in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 6, page number from 11951-11957 (June2017).

- ❖ Mr. A. Harshavardhan, published a paper entitled “Analysis of Feature Extraction Methods for the Classification of Brain Tumor Detection” in International Journal of Pure and Applied Mathematics(IJPAM) ; Vol. 117, Issue 7, page number from 147-155 (November2017).

- ❖ Mr. Bura Vijay Kumar, published a paper entitled “Energy Mapping Approach for QoS in MANETs” in International Journal of Computer Sciences and Engineering ; Vol. 5, Issue 10, page number from 280-282 (October 302017).

- ❖ Mr. Bura Vijay Kumar, published a paper entitled “Quickly Nearest Neighbor Search Traditional Spatial Query with Keywords” in International Journal on Computer Science and Engineering (IJCSE) ; Vol. 9, Issue 11, page number from 635-638 (November2017).

- ❖ Mr. Bura Vijay Kumar, published a paper entitled “Protection Issues and Disputes in Wireless Sensor Networks” in International Journal on Computer Science and Engineering (IJCSE) ; Vol. Volume - 9, Issue Issue - 12, page number from 706-713 (December2017).



❖ Mr. Ch.Sandeep, published a paper entitled “A Comprehensive Survey Report on Distributed Denial of Service Attacks and Possible Defense Mechanisms” in International Journal of Research ; Vol. 4, Issue 13, page number from 1322-1326 (October2017).

❖ Mr. Ch.Sandeep, published a paper entitled “Internet of Things Based Biometric Electronic Voting Machine” in International Journal of Research ; Vol. 4, Issue 10, page number from 1245-1248 (September2017).

❖ Mr. D.Ramesh, published a paper entitled “A Novel Approach to Path Planning of Robots by Detecting Dynamic Obstacles” in International Journal of Latest Trends in Engineering and Technology ; Vol. 9, Issue 2, page number from 4 (December2017).

❖ Mr. D.Ramesh, published a paper entitled “A Novel Approach to Path Planning of Robots by Detecting Dynamic Obstacles” in International Journal of Latest Trends in Engineering and Technology ; Vol. 9, Issue 2, page number from 4 (December2017).

❖ Mr. D.Ramesh, published a paper entitled “A Comparative Analysis of Classification Algorithms on Weather Dataset Using Data Mining Tool” in Oriental Journal of Computer Science and Technology ; Vol. 10, Issue 3, page number from 5 (December2017).

❖ Mr. D.Ramesh, published a paper entitled “A Relative Study of Data Mining and Big Data on IoT 's Data Streams” in International Journal of Computer Sciences and Engineering Open Access ; Vol. 5, Issue 10, page number from 10 (September2017).

❖ Mr. D.Ramesh, published a paper entitled “A Comparative Analysis of Classification Algorithms on Weather Dataset Using Data Mining Tool” in Oriental Journal of Computer Science and Technology ; Vol. 10, Issue 3, page number from 5 (December2017).

❖ Mr. D.Ramesh, published a paper entitled “A Relative Study of Data Mining and Big Data on IoT 's Data Streams” in International Journal of Computer Sciences and Engineering Open Access; Vol. 5, Issue 10, page number from 10 (September2017).

❖ Mr. Dr K Seena Naik, published a paper entitled “An Effective use of Data Mining Techniques to Create Value to Business Intelligence” in International Journal Of Advancement In Engineering Technology, Management and Applied Science ; Vol. 3, Issue 10, page number from 157-163 (October2017).

❖ Mr. Dr.C.V.Guru Rao, published a paper entitled “Network Coding-aware Routing for Energy Minimization in Wireless Ad-Hoc Networks” in UGC Approved Journal on Advances in Wireless and Mobile Communications, Research India Publications ; Vol. 10, Issue 1, page number from 111-122 ( 2017).

❖ Mr. Dr.C.V.Guru Rao, published a paper entitled “Hybrid CGA Based Naïve Bayes Classifier For Email Spam Classification” in International Journal of Control Theory and Applications ; Vol. 10, Issue , page number from ( 2017).

❖ Mr. Dr.D.Kothandaramana, published a paper entitled “Human Activity Detection System Using Internet Of Things” in International Journal on Computer Science and Engineering (IJCSE) ; Vol. 9, Issue 11, page number from 657-665 (November2017).



❖ A Guest Lecture on “Current Opportunities and Challenges in Retail Sector” by Ch.Srikanth,Max Retail Division, has addressed MBA and IMBA Students about the skills required in managing retail outlets and challenges in Retail Industryon 03-11-2017.



❖ Conducted A Management Fest (VYUHA-2017) at National Level Management Meet on 10-11-2017 and conducted various formal and Informal Events.







Orientation Program on 25-6-2017.



❖ A Guest Lecture on “Improving Competency Skills” by Mr. Ajith Babu, Serial Entrepreneur, has addressed MBA and IMBA Students about the skills and strategies used in meeting competition by newly started firms on 9-10-2017.



❖ A Guest Lecture on “Soft Skills Program ” by Dr. Sabitha, Mr. Shyam kolati, Dr.Suman kumar, Mr. D. Srinivas, Ms.Kafila, Ms.Rajyalaxmi, Mr.G satish Raj and Mr. E.Ramesh, has addressed MBA and IMBA Students role of communication skills and soft skills, Group Discussion, Leadership styles and Team Building on 12-10-2017 to 17-10-2017.

❖ Mr. Dr.D.Kothandaramana, published a paper entitled “Human Activity Detection System Using Internet Of Things” in International Journal on Computer Science and Engineering ; Vol. 9, Issue 11, page number from 657-665 (November2017).

❖ Mr. G.Sunil, published a paper entitled “Enabling Cloud Storage Auditing with Verifiable Outsourcing of Key Updates” in International Journal of Engineering Technology and Computer Research (IJETCR) ; Vol. 5, Issue 4, page number from 167-171 (July-August2017).

❖ Mr. G.Sunil, published a paper entitled “A New Method of Secure Payment Solutions Fully Off-Line Functions on Frodo” in International Journal of Engineering Technology and Computer Research (IJETCR) ; Vol. 5, Issue 4, page number from 145-147 (July-August2017).

❖ Mr. G.Sunil, published a paper entitled “The Current Status and Research in Industrial Big Data Analysis in Smart Intelligent Systems” in International Journal of Advanced Research in Computer Science (IJARCS) ; Vol. 8, Issue 8, page number from 603-608 (September-October2017).

❖ Mr. G.Sunil, published a paper entitled “A Survey on New Approaches of Internet of Things Data Mining” in International Journal of Advanced Research in Computer Science (IJARCS) ; Vol. 8, Issue 8, page number from 666-673 (September-October2017).

❖ Mr. J.Bhavana, published a paper entitled “Rule Mining for Many-Valued Implications Using Concept Lattice” in IJCSE ; Vol. 9, Issue 11, page number from to be printed in November (November2017).

❖ Mr. K.Sudheer kumar, published a paper entitled “An Efficient Revocable-Storage Identity-Based Encryption” in International Journal of Engineering Technology and Computer Research ; Vol. 5, Issue 4, page number from 162-166 (July-August2017).

❖ Mr. K.Sudheer kumar, published a paper entitled “Liability of Information in Cloud” in International Journal on Computer Science and Engineering ; Vol. 9, Issue 11, page number from 630-634 (November2017).

❖ Mr. Kiran H Patil, published a paper entitled “Application of Artificial Neural Network for Analysis of Droplet Size” in International Journal of Engineering Research and Development ; Vol. 13, Issue 10, page number from 67-70 (October2017).

❖ Mr. M.Sheshikala, published a paper entitled “Data Privacy in Encrypted Relational Data Using K-Nn Clasification” in International Journal of Advanced Research in Computer Science ; Vol. 8, Issue 8, page number from 544-548 (September2017).

❖ Mr. N.Vijay kumar, published a paper entitled “Towards Maximizing The Location Privacy For Mobile Users” in International Journal of Research ; Vol. 4, Issue 13, page number from 2495-2499 (October2017).

❖ Mr. N.Vijay kumar, published a paper entitled “Efficient Tracking for Women Safety and Security Using IoT” in International Journal of Advanced Research in Computer Science ; Vol. 8, Issue 9, page number from 328-330 (December2017).



- ❖ Mr. NAGENDAR YAMSANI, published a paper entitled “A New Approach for Keyword Cover Search” in International Journal of Research ; Vol. 4, Issue 9, page number from 731-735 (AUGUST2017).
- ❖ Mr. NAGENDAR YAMSANI, published a paper entitled “Whatsapp Auto Responder Using Natural Language Processing and AI” in International Journal of Computer Engineering & Technology (IJCET) ; Vol. 8, Issue 5, page number from 15-22 (September-October2017).
- ❖ Mr. NAGENDAR YAMSANI, published a paper entitled “Protection Issues and Disputes in Wireless Sensor Networks” in International Journal on Computer Science and Engineering (IJCSE) ; Vol. 9, Issue 12, page number from 706-712 (December2017).
- ❖ Mr. P.Kumaraswamy, published a paper entitled “Design of improved reversible data hiding in encrypted messages” in International Journal of Research ; Vol. 4, Issue 10, page number from 175-180 (September2017).
- ❖ Mr. P.Pramod Kumar, published a paper entitled “A Novel Energy and Memory Efficient Clone Detection in Wireless Sensor Networks” in International Journal of Advanced Research in Computer and Communication Engineering ; Vol. 6, Issue 10, page number from 99-103 (October2017).
- ❖ Mr. P.Pramod Kumar, published a paper entitled “A Proportional Survey on Generations of Wireless Networks” in International Journal of Research ; Vol. 4, Issue 10, page number from (September2017).
- ❖ Mr. P.Praveen, published a paper entitled “An Efficient Cache-Support Path Computation Model for Road Maps.” in IJARCS ; Vol. 8, Issue 7, page number from 1126-1130 (Aug2017).
- ❖ Mr. P.Praveen, published a paper entitled “An Agglomerative Clustering Method For Solving Vehicle Routing Problem” in International Journal of Engineering Research in Computer Science and Engineering ; Vol. 4, Issue 11, page number from 103-107 (Dec2017).
- ❖ Mr. P.Praveen, published a paper entitled “A k-means Clustering Algorithm on Numeric Data” in International Journal of Pure and Applied Mathematics ; Vol. 117, Issue 17, page number from 157-164 (Nov2017).
- ❖ Mr. P.Praveen, published a paper entitled “An Efficient Smart Search Using R Tree on Spatial Data” in Journal of Advanced Research in Dynamical and Control Systems ; Vol. 4, Issue 11, page number from 226-232 (July2017).
- ❖ Mr. P.Praveen, published a paper entitled “An Analysis of Clustering Algorithms for Big Data” in International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC) ; Vol. 5, Issue 6, page number from 1294 – 1299 (June2017).
- ❖ Mr. Rajesh Mothe, published a paper entitled “Big Data Technology Applications in Automated Health Care Management System” in International Journal of Advanced Research in Computer Science ( IJARCS ) ; Vol. Volume 8, Issue No. 9, page number from 115-120 (December2017).

### Conferences/Seminars/workshops/FDPs Conducted:

- ❖ A Guest Lecture on “Employability Skills” by Krish Chintaluri, Director, Adopto Solutions, Head and HR and Sridhar remella, Fluent Grid,, has addressed MBA and IMBA Students about the required skills which will make them ready for employment, Communication skills and its importance on Employability on 4-07-2017.



- ❖ A Guest Lecture on “Track Investment” by Parameshwar P Iyer, Dept. of Management studies, Indian Institute of science, Bangalore, had addressed MBA and IMBA Students about the simulation activity on track investment and awareness of stock exchange on 22-07-2017.



- ❖ A Guest Lecture on “Logistics and Marketing” by Dakarapu Prem Kumar, Container Corporation India Ltd., has addressed MBA and IMBA Students about the Importance of storage systems and Ripening of Apple fruit, Handling logistics with safety and Differentiation between Indian and foreign storage on 05-08-2017.



## *Master of Business Administration*

### VISION

To be a renowned management centre that creates globally competent leaders

### MISSION

- Design and implement contemporary programmes and curriculum that generates employable graduates
- Promote interdisciplinary collaborative research and consultancy to bring out innovative business solutions
- Utilize knowledge and expertise for the welfare and development of the community at regional and national levels
- Prepare graduates with managerial and entrepreneurial skills to manage or establish enterprises

❖ Mr. Roopa Goje, published a paper entitled “A Novel Approach to Path Planning Of Robots by Detecting Dynamic Obstacles” in International Journal of Latest Trends in Engineering and Technology ; Vol. 9, Issue 2, page number from 013-016 (November2017).

❖ Mr. Roopa Goje, published a paper entitled “A Comparative Analysis of Classification Algorithms on Weather Dataset Using Data Mining Tool” in Oriental Journal of Computer Science and Technology ; Vol. 10, Issue 4, page number from 1-5 (December2017).

❖ Mr. Roopa Goje, published a paper entitled “A Novel Approach to Path Planning of Robots by Detecting Dynamic Obstacles” in International Journal of Latest Trends in Engineering and Technology ; Vol. 9, Issue 2, page number from 013-016 (November2017).

❖ Mr. Roopa Goje, published a paper entitled “A Comparative Analysis of Classification Algorithms on Weather Dataset Using Data Mining Tool” in Oriental Journal of Computer Science and Technology ; Vol. 10, Issue 4, page number from 1-5 (December2017).

❖ Mr. S Naresh kumar, published a paper entitled “Big Data & Analytics Security and Privacy challenges in Social Media” in International Journal of Research ; Vol. 4, Issue 10, page number from 1517-1522 (september2017).

❖ Mr. S Naresh Kumar, published a paper entitled “A Proportional Survey on Generations of Wireless Networks” in international journal of research ; Vol. 4, Issue 10, page number from 1005-1011 (september2017).

❖ Mr. S.Vahini, published a paper entitled “Towards Maximizing The Location Privacy For Mobile Users” in International Journal of Research ; Vol. 4, Issue 13, page number from 2495-2499 (October2017).

❖ Mr. S.Vahini, published a paper entitled “Efficient Tracking for Women Safety and Security Using IoT” in International Journal of Advanced Research in Computer Science ; Vol. 8, Issue 9, page number from 328-330 (December2017).

❖ Mr. Sallauddin Mohmmad, published a paper entitled “Enabling Cloud Storage Auditing with Verifiable Outsourcing of Key Updates” in International Journal of Engineering Technology and Computer Research (IJETCR) ; Vol. 5, Issue 4, page number from 167-171 (July-August2017).

❖ Mr. Sallauddin Mohmmad, published a paper entitled “A New Method of Secure Payment Solutions Fully Off-Line Functions on Frodo” in International Journal of Engineering Technology and Computer Research (IJETCR) ; Vol. 5, Issue 4, page number from 145-147 (July-August2017).

❖ Mr. Sallauddin Mohmmad, published a paper entitled “A Survey on New Approaches of Internet of Things Data Mining” in International Journal of Advanced Research in Computer Science (IJARCS) ; Vol. 8, Issue 8, page number from 666-673 (September-October2017).

❖ Mr. Sallauddin Mohmmad, published a paper entitled “The Current Status and Research in Industrial Big Data Analysis In Smart Intelligent Systems” in International Journal of



Advanced Research in Computer Science (IJARCS) ; Vol. 8, Issue 8, page number from 603-608 (September-October 2017).

- ❖ Mr. Sallauddin Mohmmad, published a paper entitled “A Relative Study of Data Mining and Big Data on IoT's Data Streams” in International Journal of Computer Science and Engineering ; Vol. 5, Issue 10, page number from 200-209 (September-October2017).
- ❖ Mr. Sallauddin Mohmmad, published a paper entitled “Recent Trends in Sarcasm Detection on Online Social Networks” in International Journal of Computer Science and Engineering ; Vol. 5, Issue 10, page number from 235-239 (September-October2017).
- ❖ Mr. Sallauddin Mohmmad, published a paper entitled “Provisioning Elasticity On IoT's Data In Shared-Nothing Nodes” in International Journal of Pure and Applied Mathematics ; Vol. 117, Issue 5, page number from 165-173 (October2017).
- ❖ Mr. Srinivas Aluvala, published a paper entitled “Energy Mapping Approach for QoS in MANETs” in International Journal of Computer Sciences and Engineering ; Vol. 5, Issue 10, page number from 273-275 (Oct 2017).
- ❖ Mr. Syed Nawaz Pasha, published a paper entitled “A Relative Study of Data Mining and Big Data on IoT 's Data Streams” in International Journal of Computer Sciences and Engineering ; Vol. 5, Issue 10, page number from 200-209 (october2017).
- ❖ Mr. T Sampath Kumar, published a paper entitled “A New Technique To Secure Data Over Cloud” in JARDS ; Vol. 1, Issue 11, page number from 391-396 (july2017).
- ❖ Mr. T Sampath Kumar, published a paper entitled “Reserved and Accountable Conversation Inside The Cloud” in International Journal of Engineering Research in Computer Science and Engineering ; Vol. 4, Issue 11, page number from 100-105 (november2017).
- ❖ Mr. T Sampath Kumar, published a paper entitled “Reserved and Accountable Conversation Inside The Cloud” in International Journal of Engineering Research in Computer Science and Engineering ; Vol. 4, Issue 11, page number from 100-105 (november2017).
- ❖ Mr. V. Thirupathi, published a paper entitled “Android Enabled Light via GSM” in International Journal of Research ; Vol. 4, Issue 10, page number from 1142-1148 (September2017).
- ❖ Mr. V. Thirupathi, published a paper entitled “Android Enabled Light via GSM” in International Journal of Research ; Vol. 4, Issue 10, page number from 1142-1148 (September2017).
- ❖ Mr. Yerrolla Chanti, published a paper entitled “Quickly Nearest Neibhor Search Traditional Spatial Query With Keywords” in international journal on computer science and engineering ; Vol. 9, Issue , page number from 635-638 (november 2017).
- ❖ Mr. Yerrolla Chanti, published a paper entitled “Bayesian Networks For Detection Of Vechiles Utilizing Pixel Insightful Grouping Approach” in International journal of advanced research in computer science ; Vol. 8, Issue 9, page number from 768-773 (nov -dec 2017).





❖ *Yoga Club*



❖ *Dance & Music Club*



❖ *Innowiz Cub*



❖ Mr. Dr.C.V.Guru Rao, published a paper entitled “Critical Review of Various Near-Duplicate Detection Methods in Web Crawl and Their Prospective Application in Drug Discovery” in International Journal of Biomedical Engineering and Technology ; Vol. 24, Issue 2 to 4, page number from 212-226 (2017).

❖ Mr. Dr.C.V.Guru Rao, published a paper entitled “LSBSM: A Novel Method for Identification of Near Duplicates in Web Documents” in International Journal of Computer Science and Information Security (IJCSIS) ; Vol. 15, Issue 2, page number from 72-78 (2017).

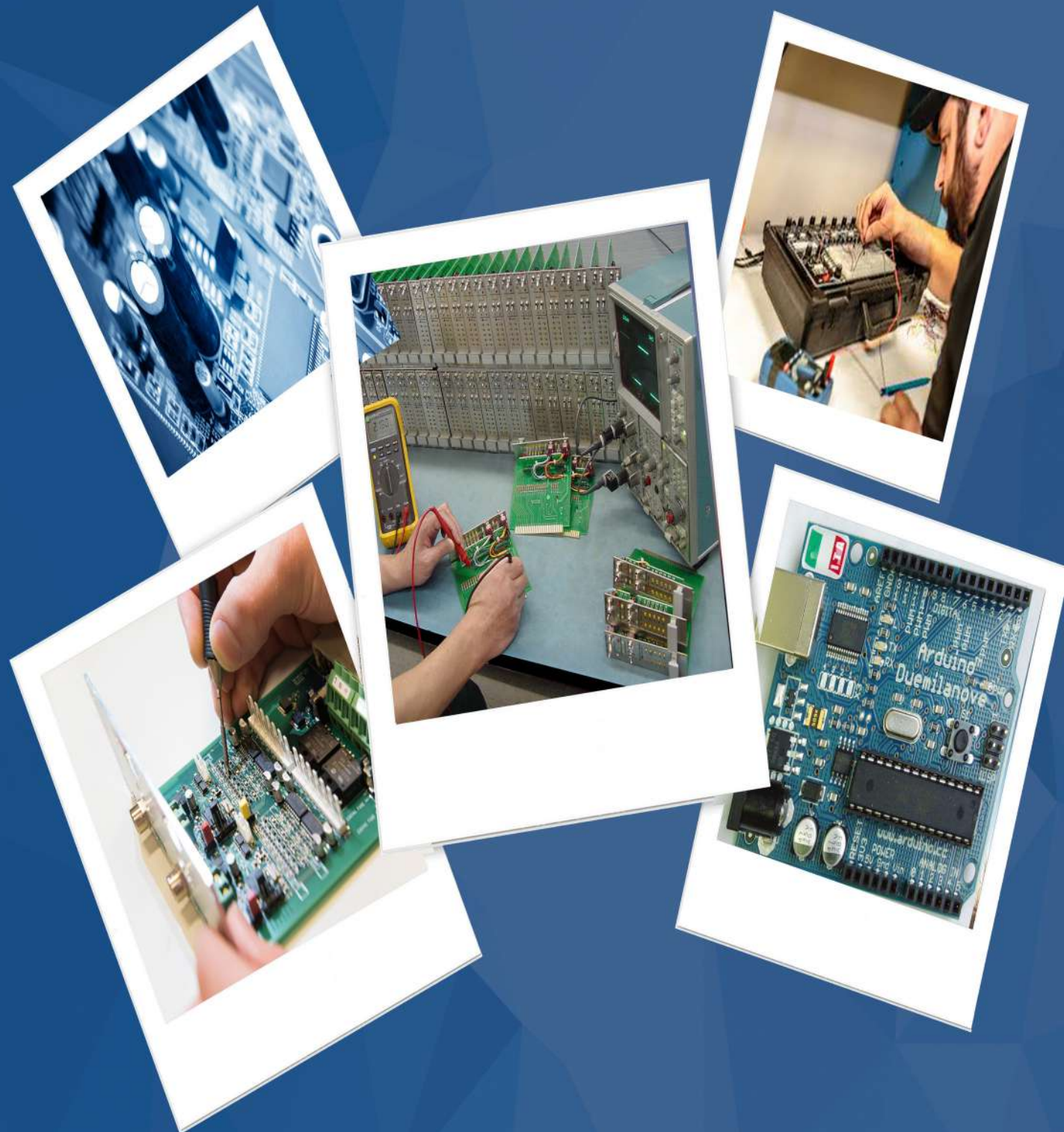
❖ Mr. Dr.C.V.Guru Rao, published a paper entitled “Network Coding Gain Optimization in Wireless Ad-hoc Networks” in ; Vol. 8, Issue 7, page number from 185-188 (July-Aug - 2017).

*Placements*

Name of the Company	No. of Students Placed
Opentext	03
Cloud Machine	03
Wipro	04
IHANA Infoways	04
Global Nest	02
Computer Power Group	03
IBS	04
Tvarana Software Solutions	03
BYJUS	01
Zenopsys	03
Justdial	04
Triangle Tele Incorporation	01
IBM	15
CSSI	02
Rapiid Robotics	02
HGS	06
Infosys	07
Medassu e-solutions India Pvt Ltd	01
SD Mactech	01
Tech Mahindra	03
Aliens Group	03
Hukkz Systems Pvt Ltd	01
MAQ Software	02
Savantis Solutions LLC	10
Web Synergies	02
Macromill	01



# ELECTRONICS AND COMMUNICATION ENGINEERING



## ❖ *Painting & Sketching*



## ❖ *Drama & Theatre Club*



## ❖ *Community Service Club*





### ❖ Coding Club



## *Electronics and Communication Engineering*

### VISION

To academically outstand in the field of Electronics and Communication Engineering education

### MISSION

- Build Electronics and Communication Engineering knowledge in students by implementing novel educational experiences.
- Develop effective instructional infrastructural resources.
- Promote interdisciplinary learning.
- Develop community through service, consulting and research activities.

### ❖ Martial Arts Club



### ❖ Master Communicators





### *Conferences/Seminars/workshops/FDPs Conducted:*

- ❖ A four day workshop on “PHYTHON”, organized by SREC IEEE Student Branch, from 21st to 27th August 2017, by Dr. Manoj Kumar.
- ❖ A three day training on “LABVIEW CERTIFICATION COURSE (CLAD) (PH-I)”, organized by Department of ECE, from 8th to 10th September, 2017 by Mr. Sanjay Karthik, LabView, Application Developer, Bangalore
- ❖ The A Two day workshop “REGIONAL STUDENTS PROFESSIONAL AWARENESS CONGRESS – 2017 (RSPAC’17)”, organized by SREC IEEE Student Branch, on 22nd & 23rd September, 2017.
- ❖ A Four Day Training Session on “EMBEDDED SYSTEMS USING MSP 430 (PHASE-I)”, organized by Department of ECE, from 8th to 11th January, 2018, by Mr. Gurjeet Singh, Managing Director, Gill Instruments Pvt. Ltd, Bangalore.
- ❖ A five day training on “LABVIEW CERTIFICATION COURSE (CLAD) (PH-II)”, organized by Department of ECE, from 19th to 23rd February, 2018, by Mr. Balaji, LabView, Application Developer, Bangalore.
- ❖ A Four Day Training Session on “EMBEDDED SYSTEMS USING MSP 430 (PHASE-II)”, organized by Department of ECE, from 22nd to 25th February, 2018, by Mr. Pradhan, Embedded Systems Engineer, Gill Instruments Pvt. Ltd, Bangalore.
- ❖ A one week training on “APPLICATION OF RASPBERRY PI ON IOT”, organized by ECE IETE Professional Society, from 22nd to 29th February, 2018, by Mr. Atif Shah, ABE semi conductor design, Chairman & Managing Director, Chennai
- ❖ A Seminar on “Signals and Systems and Its Applications” organized by SREC IEEE Student Branch, from 21st July, 2018, by Dr. Ravikumar, Associate Professor, NIT Warangal.
- ❖ A Industrial visit to “All India Radio, Warangal”, organized by ECE IETE Professional Society, on 25th July, 2018.
- ❖ A Technical Presentation on “Virtual Reality Cloud computing AI and Machine Learning Blockchain”, organized by SREC IEEE Student Branch, on 25th August, 2018, by Dr. K. Bikshalu, Assistant Professor, KUCE, Kothagudem.
- ❖ A five day training on “LabView Certification Course (CLAD) (PH-III)”, organized by Department of ECE, from 28th August to 1st November 2018, by Mr. Balaji, LabView, Application Developer, Bangalore.
- ❖ Training Session on “EMBEDDED SYSTEMS USING MSP 430”, by Mr. Gurjeet Singh, Managing Director, Gill Instruments Pvt. Ltd, Bangalore.

### *Clubs and Activities*

To meet the above objectives various Clubs have been formed. The activities under each club is shown below:

#### *❖ Sports Club*



#### *❖ Garden Club*



#### *❖ Organic Farming*





## SREC CLUBS

SREC clubs in a broad sense take up most student-focused extracurricular and programs on the campus with a little something that makes everyone to enjoy.

Each club is formed with faculty coordinator(s) and student teams to bring out the interest in them and others by providing a platform/opportunity to participate and excel. It helps the student community to develop Talents, Interests and Passion (TIP). The students do something productive on campus in free time, besides sharing their beer pong skills. They are encouraged to participate and win attractive prizes by showcasing their skills. It also teaches them practical skills and time management.



### Objectives

- ❖ Students are inspired to showcase their talents
- ❖ Students are provided opportunities to choose / allow them to make meaningful impact in their own development and in the community.
- ❖ Students are made as natural leaders by themselves
- ❖ Students are made skilled and motivated
- ❖ Students are seen directing and inspiring others.
- ❖ Students get involved in activities outside the classroom
- ❖ Students challenge themselves to explore new things
- ❖ Students develop a sense of connection and expand their network
- ❖ Students are more satisfied with college experience while earning a degree



- ❖ Training Session on "LABVIEW CERTIFICATION COURSE (CLAD)", by Mr. Balaji, LabView, Application Developer, Bangalore.



- ❖ Training Session on "APPLICATION OF RASPBERRY PI ON IOT", by Mr. Atif Shah, ABE semi conductor design, Chairman & Managing Director, Chennai



### Conferences/Seminars/workshops/FDPs Attended:

- ❖ L.M.L.Leo Joseph attended a One day Faculty Development Program on "CIRCUIT SIMULATION /PCB DESIGN USING TARGET3001 SOFTWARE", organized by Dell soft Technologies, on 13th September 2017.
- ❖ S. Umamaheshwar attended a Two day Sensitization Workshop on "NATIONAL SCIENCE AND TECHNOLOGY INFORMATION SYSTEM AND POLICY", organized by SR International Institute of Technology, Rampally, Ranga Reddy Dist. from 12th to 13th October 2017.



- ❖ Dr J. Ravichander attended a Faculty Development Program on “MooCs, open education and open educational resources, organized by JNTU Hyderabad during 5th to 7th January 2018.
- ❖ Ch. Rajendra Prasad attended conference on “Signal processing and communication engineering systems SPACES-2018” (in association with IEEE), 4th & 5th January 2018, KLEF, Andhra Pradesh.
- ❖ Dr J. Ravichander attended a Faculty Development Program on Engineering Educated Training Program organized by SR Engineering College during 22nd February 2017 to 18th January 2018.
- ❖ Ch. Rajendra Prasad attended a faculty development program on “Engineering Exploration” course from 14th to 18th May 2018 at CEER KLE technological University, Hubballi, Karnataka.
- ❖ S. Srinivas and P. Ramchandrarao are attended in One week training on “NI Labview Core1 and Core2 course”, organized by at Department of Electronics & Communication Engineering, Vasavi College of Engineering, Hyderabad, from, from 14th to 19th May, 2018.
- ❖ Ch. Rajendra Prasad, Y. Shekar, Ch. Sridevi attended workshop on “Artificial Intelligence and Deep Learning” conducted by leadindia.in, at SR Engineering College, Warangal, from 17th -19th June 2018.
- ❖ Ch. Rajendra Prasad has awarded Certificate for completion of “Image classification with DIGITS, Object detection with DIGITS, Neural Network Deployment with DIGITS and TensorRT” by NVIDIA Deep Learning Institute on 19th June 2018.
- ❖ Ch. Sridevi has awarded Certificate for completion of “Image classification with DIGITS, Object detection with DIGITS, Neural Network Deployment with DIGITS and TensorRT” by NVIDIA Deep Learning Institute on 19th June 2018.

### Faculty Publications

#### Journals

- ❖ Subba Rao, Pratik Ganguly published a paper on "DESIGN OF EFFICIENT CACHE MEMORY WITH POWER OPTIMIZATION", organized by International Journal of Emerging Technology and Advanced Engineering, on July 2017, Vol: 7, Issue: 10, Page No.: 267-271.
- ❖ Shaik.Bajid vali, Dr. Anil Kumar Sharma, Dr. Syed Musthak Ahmed published a paper on "SIGNIFICANCE OF IMAGES AND ALGORITHMS OF IMAGE PROCESSING FOR DETECTION AND DETERMINATION OF DIABETES AT EARLY STAGE", organized by International Journal of Electronics and Communication Engineering, on Aug-Sep 2017, Vol: 6, Issue: 5, Page No:17-28, ISSN(E): 2278-991X.
- ❖ Shaik.Bajid vali, Dr. Anil Kumar Sharma, Dr. Syed Musthak Ahmed published a paper on "An Early Detection To Manage Diabetic Anamolies Using Ir Thermal Imaging", organized by Journal of Advanced Research in Dynamical and Control Systems, on September 2017, Vol: 9, Page No:1817-1828.

- ❖ I year B.Tech Orientation Programme and Parents meet was conducted from 26th July 2017 to 28th July 2017. The Inaugural session was organised on 26th July and invited talks by eminent persons from academia and industry were scheduled for the next two days.



- ❖ International Women’s Day -2018 was organized and the Theme was “ Time is Now: Rural and Urban Activists Transforming Women’s Lives”





## Conferences

- ❖ B.Ravinder presented a paper on “On a subclass of harmonic univalent functions associated with the differential operator” organized by International Conference on Trends in Engineering, Management, Pharmacy & Sciences, Geethanjali college of Engineering & Technology, Hyderabad, dated on 21st April, 2018.
- ❖ Dr.G.RaviKiran presented a paper on “Effect of peristalsis on dispersion in couple stress fluid flow through on assymetric channels” organized by National conference on Mathematical modeling in science and engineering, Dept.of Mathematics,NITW, Warangal, 27-28, March, 2018.
- ❖ B.Ravinder presented a paper on “Subclass of harmonic univalent functions assoscited with the derivative operator” organized by National Conference on Recent Advances of Mathematical Techniques in Science and Engineeing, Department of Mathematics, Osmania University, Hyderabad, dated on 30-31st July 2017.
- ❖ B.Ravinder presented a paper on “On certain subclass of harmonic uniformle starlike functions” organized by International Conference on Advances in Mathematical Sciences, Department of Mathematics, VIT, Vellore, 1-3rd December 2017.

## Various Activities:

Pi day – 2018 celebration: Pi Day was celebrated in March 2018.The saga of pi day celebrations, the department of Humanities & Sciences organized several events on 12-03-2018, 13-03-2018 and 14-03-2018, such as GANITH, AMUZING MATH, MATHRONAUT and MATHWALL.

Nearly 230 I Year students registered and participated. On 14-03-2018 Prof. D. Srinivasacharya, Head, Dept. of Mathematics, N I T Warangal addressed the gathering.



- ❖ P. Anuradha, P. Kranthi Kumar published a paper on "Novel Architecture For Fault Tolerant Parallel Ffts Based On Error Correction Codes Using Vedic Algorithm", organized by Advances in Computational Sciences and Technology(ICI), on November 2017, Vol:10, Issue: 10, Page No: 3123-3130, ISSN: 0973-6107.
- ❖ Dr. Pritam Singh B published a paper on "Tripple-Band Microstrip Antenna For Wireless Application", organized by Wireless Personal Communications (Springer) (SCI), on October 2017, Page No:1029–1037.
- ❖ L.M.I.Leo Joseph published a paper on "Central Retinal Vein Occlusion: An Approach For The Detection and Extraction of Retinal Blood Vessels", organized by International Journal of Pharmaceutical Sciences and Research (IJPSR), on October 2017, Vol: 10, Issue: 1, SCOPUS, ISSN: 0975-1459.
- ❖ P. Anuradha published a paper on "Energy Efficient Scheduling Algorithm For The Multicore Heterogeneous Embedded Architectures", organized by Design Automation for Embedded Systems, on October 2017, Vol:10, Issue: 1, SCIEDOI: 10.1007/s10617-018-9202-7.
- ❖ P. Kranthi Kumar published a paper on "Novel Architecture For Fault Tolerant Parallel Ffts Based On Error Correction Codes Using Vedic Algorithm", organized by Advances in Computational Sciences and Technology( ICI), on October 2017, Vol:10, ISSN: 2348-6848.
- ❖ P. Anuradha published a paper on "Design for Testability of Sleep Convention Logic for Memory Applications", organized by International Journal of Research, on October 2017, Vol: 4, Issue: 13, ISSN:2454-6410.
- ❖ P. Anuradha published a paper on "Enhanced Fault Tolerant Parallel Ffts Using Parseval Checks And Error Correction Codes Using Ancient Indian Mathematics", organized by International Journal of Emerging Technologies in Engineering Research, on October 2017, Vol: 5, Issue: 10, ISSN:2454-6410.
- ❖ K. Rajkumar published a paper on "Polarimetric Parameters To Categorize Normal And Malignant Thyroid Tissue", organized by IETE Journal of Research, on October 2017, Vol: 63, Issue: 6, ISSN: 0974-780X.
- ❖ K. Rajkumar published a paper on "Polarization Properties Of Thyroid Tissue By Polar Decomposition Of Mueller Matrix", organized by Iranian Journal of Science and Technology, Transactions A: Science, on October 2017, ISSN: 1028-6276.
- ❖ Dr. Pritam Singh B published a paper on "Compact Triple-Band Stacked Monopole Antenna For Usb Dongle Applications", organized by International Journal of RF and Microwave (SCI), on October 2017, ISSN: 1099-047X.
- ❖ Mr. Rohith Kumar Saini published a paper on "Triple Band Dual Polarized Cpw-Fed Planar Monopole Antenna", organized by Wireless Peers Communications (Springer), on October 2017, SCI.
- ❖ Dr. J. Ravi chander, Gunde Mounika published a paper on "Novel Vlsi Architecture Of Partial Product Generator For Redundant Binary Multipliers For Dsp Applications", organized by



Advances in Computational Sciences and Technology (ICI), on October 2017, Vol:10, Issue: 10, Page No: 3033-3045, ISSN: 0973-6107.

❖ D. Sravani, B. Saritha published a paper on "Electro Visits In Primary Health Care And Its Analysis", organized by Global Journal of Advanced Engineering Technologies, on October 2017, Vol: 6, Issue: 3, Page No: 250-254, ISSN:2394-0921.

❖ E. Supriya, Ch. Sridevi Reddy published a paper on "Value Assignment Of Adjustable Delay Buffers Forclock Skew Minimization In Multiple Dynamic Supply Voltage Design", organized by International Journal of Emerging Technology and Advanced Engineering, on October 2017, Vol: 7, Issue: 10, Page No: 40-44, ISSN: 2250-2459.

❖ Humera Zainab, P. Anuradha published a paper on "Design For Testability Of Sleep Convention Logic For Memory Applications", organized by International Journal of Research, on October 2017, Vol: 4, Issue: 13, ISSN: 2348-6848.

❖ Bhagya Sree Kokkonda, Tarun Kumar Juluru published a paper on "Fcs Based Montgomery Modular Multiplication", organized by Advances in Computational Sciences and Technology, on October 2017, Vol: 10, Issue: 10, Page No: 3085-3094, ISSN 0973-6107.

❖ P. Kranthi Kumar, P. Anuradha published a paper on "Enhanced Fault Tolerant Parallel Ffts Using Parseval Checks And Error Correction Codes Using Ancient Indian Mathematics", organized by International Journal of Emerging Technologies in Engineering Research, on October 2017, Vol:10, Issue: 10, Page No: 3085-3094, ISSN 0973-6107.

❖ G. Srikar, Ch. Rajendra Prasad published a paper on "An Enhanced Sytategy Of Audio Denoising Based On Wavelet Transform", organized by International Journal of Emerging Technologies in Engineering Research, on December 2017, Vol: 5, Issue: 10, ISSN: 2454-6410.

❖ B. Swetha, G. Renuka published a paper on "The Green Home Based Surveillance System Is Based On The Internet", organized by Advances in Computational Sciences and Technology, on December 2017, Vol: 10, Issue: 11, Page No:3171-3178, ISSN 0973-6107.

❖ N. Siddhartha, G. Renuka published a paper on "Coding Techniques for Implementation of Fault Tolerant Parrallel Filter Using Eccs(Ici)", organized by International Journal of Electronics Engineering Research, on December 2017, Vol: 9, Issue: 10, Page No:1493-1500, ISSN 0975-6450.

❖ A. Mounika, K. RajKumar published a paper on "Sonar Based Accurate Positioning System Under Water With Floating Surface Gps Nodes", organized by Advances in Computational Sciences and Technology, on December 2017, Vol:10, Issue: 11, Page No: 3189-3196, ISSN 0973-6107.

❖ M. Sudheer Sagar, Y. Shekar published a paper on "Automatic Countenance Recognition Using Dct-Pca Technique of Facial Patches With High Detection Rate", organized by Advances in Computational Sciences and Technology, on December 2017, Vol:10, Issue: 11, Page No: 3141-3150, ISSN 0973-6107.

❖ D. Supriya, G. Mahesh kumar published a paper on "Wireless Mems-Based Accelerometer Sensor System For Structure Vibration and Post Dfamation Monitoring", organized by Advances in

❖ P.Venkata Ramana Rao, A.S.MadhusudhanRao, MesfinAsfaw published a paper on “Determination of physical parameters of solid state materials by Ray attenuation”, Int.j. of research in electronics and computer engineering, Vol.6, PP 1686-1690 in June 2018.

❖ E.Purushotham, published a paper on “Effect of vacancy formation energy and microhardness on the Debye temperature of some  $\alpha$ -phase alloys”, Int ernational Journal of High Energy Physics, Vol.5, PP 1686-1690 in January 2018.

❖ E.Purushotham, published a paper on “Thermal Properties of Strained Metal Carbide Nanoparticles”, Journal of Advanced Physics, American Scientific Publishers (ASP), Vol.7, PP 1686-1690 in July 2018.

❖ V.Radhika, N.Srinivas and P.Mnikyamba published a paper on “Conductance and Ion-Solvation behaviour of Sodium Sulfonates in aqueous-organic misxture” International Journal of Enggineering Science Invention, Vol.7, PP 36-42, 5 on May, 2018.

❖ A. Nageswar Rao, D.Praveena & K.Mogilaiah published a paper on “Pyridine catalyzed friedlander synthesis of 1,8- naphthyridines” International Journal of Scientfic Research and Review, Vol.7, PP 403-408, 4 on May 2018.

❖ V Radhika published a paper on “Conductance study of benzyl bromide reaction with cyclicamines in aqueous-ethanol medium” International Journal of Enggineering & Technology, Vol.7, PP 138-140, 3.3 on June 2018.

❖ J.Sunil Kumar,E. Jagadeesh published a paper on “Effective Synthesis of some novel 78 substituted coumarins through eckreaction and sonogashiras coupling reactions” International Journal of Moden Trends in Engineering Research, Vol.4, PP 73-77, 11 in November 2017.

❖ S. Shailaja published a paper on “Roots and shadows: A sruggle for dignity, confidence and responsibility” Literary endeavour, Vol.9, PP 140-141, 3 in July, 2018.

❖ T.Satyanarayana, Katyayani Sangam published a paper on “Emancipation or Doom: A Study of Woman Protagonist in Rushdie’s Shalimar The Clown” Research Journal of English Linguistics And Literature, Vol. 1, PP 28-32, 2 in Dec. 2017.

❖ N.Harish published a paper on “AMBITION, EVIL AND COURAGE: IN mACBETH” International journal of English language, literature and translation studies, Vol.4, PP 58-60, 4 in 10/1/2017.

❖ N.Harish published a paper on “Social alienation in Mulk Raj Anand’s Untouchable” International journal of English language, literature and translation studies, Vol.4, PP 50-52, 4 in 10/1/2017



### *Conferences/Seminars/workshops/FDPs Attended:*

- ❖ G. SwamyReddy attended a workshop on “IUCEE International Engineering Educator Pre-Certification Work shop” organized by S R Engineering College, Warangal, dated on 6-8, March, 2018.
- ❖ V.Radhika Reddy attended Induction Programme on “To train the Trainers for implementation of Induction programme in the affiliated colleges of JNTUH” JNTUH, Hyderabad, dated on 17, 19, May 2018.
- ❖ J.SunilKumar attended International Workshop on “IUCEE International Engineering Educator Pre-Certification Work shop” S R Engineering College, Warangal, dated on 6-8, March 2018.
- ❖ Dr.D.Praveena attended International Workshop on “IUCEE International Engineering Educator Pre-Certification Work shop” S R Engineering College, Warangal, dated on 6-8, March 2018.
- ❖ Dr.V. Radhika attended IUCEE Certificate Program on “IUCEE International engineering educator certification program” SREC Warangal, dated on Jan 2017 to Mar-2018.
- ❖ Dr.V. Radhika attended FDP on “Renewable Energy Management and Advanced Techniques for a Sustainable Future (REMATSF-2017)” Department of EEE, SREC, Warangal, dated on 27th November to 9th December-2017.

### *Faculty Publications:*

#### *Journals*

- ❖ R. Archana Reddy, G. published a paper on “An overview towards the value of engineering mathematics”, International Journal of Pure and Applied Mathematics, Vol.118, PP 36-42, May, 2018.
- ❖ D. Srinivasacharya, G.Swamy Reddy, published a paper on “Mixed convection on a vertical plate embedded in a power-law fluid saturated doubly stratified porous medium”, Applied and computational mathematics, Vol.17, PP 256-270, 2018.
- ❖ R. Bharavi Sharma, B. Ravinder, published a paper on “On a subclass of harmonic univalent functions”, Journal of Physics: Conference Series, Vol.1, pp 712-716, April, 2018.
- ❖ Rasmi Agrawal, Debaldev Jana, Ranjith Kumar and V. Sree Hari Rao, published a paper on “Dynamical relationship between the mutual interference and gestation delays of a hybrid tritrophic food chain model”, ANZIMA, Vol.59, pp 370-140, Feb. 2018.

Computational Sciences and Technology, on December 2017, Vol: 10, Issue: 11, Page No: 3197-3204, ISSN: 0973-6107.

- ❖ M. Ganesh, Ch. Sridevi Reddy published a paper on "Designing Of Lte Communication By Using Adaptive Modulation Methods", organized by Advances in Computational Sciences and Technology, on December 2017, Vol:10, Issue: 11, Page No: 3151-3160, ISSN 0973-6107.
- ❖ E. Supriya, Ch. Sridevi Reddy published a paper on "Esteem Assignment Of Adjustable Delay Buffers For Clock Skew Minimization In Multiple Dynamic Supply Voltage Design", organized by Advances in Computational Sciences and Technology, on December 2017, Vol:10, Page No.: 3131-3139, ISSN/ISBN/DOI/ISSN 0973-6107.
- ❖ M. Lavanya, B. Saritha published a paper on "Sizing Of Hybrid Renewable Energy Sources And Battery Systems In Residential Micro Grids Using Real Time Operating Systems", organized by Advances in Computational Sciences and Technology, on December 2017, Vol:10, Page No.: 3179-3186, ISSN ISBN/ DOI ISSN 0973-6107.
- ❖ D. Sravani, B. Saritha published a paper on "Electro Visits In Primary Care,Schedulling Policies, Modelling And Its Analysis", organized by Advances in Computational Sciences and Technology, on December 2017, Vol:10, Page.No3161-317, ISSN:0973-6107.
- ❖ Ch. Rajendra Prasad, Dr. Polaiah Bojja published a paper on "A Review On Bio-Inspired Algorithms For Routing And Localization Of Wireless Sensor Networks", organized by Journal of Advanced Research in Dynamical and Control Systems, on December 2017, Vol: 9, Issue: 18, Page No.:1366-1374.
- ❖ Sreedhar Kollem, Katta Ramalinga Reddy and Duggirala Srinivasa Rao, Denoising and Segmentation of MR Images using Fourth Order Non-linear Adaptive PDE and New Convergent Clustering in International Journal of Imaging Systems and Technology, Volume No.29, Issue No.1, March 2018,
- ❖ Humera Zainab1, P. Anuradha published a paper on “Testability Design For Sleep Convention Logic”, in Advances in Computational Sciences and Technology, on March 2018, Vol: 11, Page No.: 561-566.
- ❖ Ch. Rajendra Prasad, Dr. Pollaiah bojja published a paper on “A Review On Bio-Inspired Algorithms For Routing And Localization Of Wireless Sensor Networks”, Journal of Advanced Research in Dynamical and Control Systems, Volume 9, Issue 18, Pages :1366-1374 - March- 2018.
- ❖ Sreedhar Kollem, Image Denoising by using Modified SGHP Algorithm in International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708, Volume No.8, Issue No.2, April 2018 (Scopus Indexed and UGC Approved).
- ❖ S. Srinivas published a paper on “Case Study On Channel Estimation Techniques For Mimo-Ofdm Systems ” in International Journal of Creative Research Thoughts, on April 2018, Vol:.6, Issue:2, Page No: 115-118, ISSN:2320-2882.
- ❖ G.Renuka1 , V.Ushashree2 , P .Chandrasekhar Reddy published a paper on “Functional Verification of Inter Integrated Circuit (I2C) Using Advanced Verification Methodology”, in



International Journal of Pure and Applied Mathematics, on April 2018, Vol: 118, Issue: 24, Page No.: 1-11, ISSN: 1314-3395.

❖ Mohammed Yasin Ali, Syed Musthak Ahmed published a paper on “A Cross-Layered Approach For Improving Quality Of Service Of Video Transmission In Ad-Hoc Networks”, in Journal of Advanced Research in Dynamical & Control Systems, on April Special Issue 2018, Vol: 10, Page No.: 1849-1854.

❖ P. Anuradha published a paper on “Energy Efficient Scheduling Algorithm for the Multicore Heterogeneous Embedded Architectures” in Springer Scie journal Design automation for embedded systems Vol. No.:21 Issue No.: 4 Year/ Month of Publication: April 2018 . DOI: 10.1007/s10617-018-9202-

❖ Anupama Deshpande published a paper on “Meticulous Study On Improving Ucm’s Safety: Analysing Causes Of Accidents And Suggesting Recommendations”, in International Journal of Computer Sciences and Engineering, on June 2018, Vol: 6, Issue: 6, Page No.: 858-862, ISSN: 2347-2693.

❖ Mohammed Yasin Ali, Syed Musthak Ahmed published a paper on “An Efficient Design Of Cross Layer Design For Power Control And Link Availability”, in International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), on June 2018, Vol: 4, Issue: 6, Page No.: 143-149, ISSN: 2455-2585.

❖ P. Anuradha published a paper on “Characterization Of Spec Benchmarks” in International Journal of Pure and Applied Mathematics vol. :118 No.24 Year/ Month of Publication: June 2018, ISSN: 1314-3395 [Scopus Indexed Journal]

❖ L.MARIA IRUDAYA LEO JOSEPH published a paper on “Central Retinal Vein Occlusion: An Approach For The Detection and Extraction of Retinal Blood Vessels”, in Journal of Pharmaceutical Sciences and Research, on June 2018.

❖ Sreedhar Kollem and V. Rajanesh, Compression of Embedded Image using a Pilot and Information Water Mark Model in International Journal of Pure and Applied Mathematics, Volume No.120, Issue No.6, July 2018 (Scopus Indexed and UGC Approved)

❖ Ch. Rajendra Prasad, Dr. Pollaiah Bojja published a paper on “A Survey On Routing Protocols In Wireless Body Area Networks For Medical Applications”, Journal of Advanced Research in Dynamical and Control Systems, Volume 10, Issue 10, Pages :92-97 - July- 2018 ISSN : 1943-023X.

❖ G. Renuka, V. Ushashree, P.Chandrasekhar Reddy published a paper on “Design And Implementation Of Arm Based Verification Methodology For Low Computation Time And High Performance”, in Jour of Adv Research in Dynamical & Control Systems, on July 2018, Vol: 10, (Special Issue-10), Page No.: 102-111.

❖ Jaffreen Samdani, P. Anuradha published a paper on “Vlsi Architecture Of A High Speed Polar Code Decoder Using Finite Length Scaling Ldpc Codes”, in Journal of Advance Research in Dynamical and Control Systems(JARDCS) with ISSN 1943-023X Vol. No.: 10, Year/ Month of Publication: July 2018, Page No’s: 153-161 [Scopus Indexed Journal]

### *Conferences/Seminars/workshops/FDPs Presented:*

❖ P.VenkataRamanaRao presented a paper on “Determination of physical parameters of solid state materials by gamma ray attenuation”, Osmania University, Hyderabad dated on 24, June 2018.

❖ Dr. V. Radhika presented a paper on “Conductance study of benzyl bromide reaction with cyclomines in ethanolaqueous medium”, Geethanjali College of Engineering & Technology, Hyderabad dated on 21st April 2018.

❖ Dr. V. Radhika presented a paper on “An Investigation on Ion-Solvation and ion-association behaviour of imidazolium clorochromate in water-N, N-dimethyl formamide mixtures by a conductometric study”, Department of Chemistry, KU, Warangal dated on 6-7th April 2018.

❖ Dr.D.Praveena presented a paper on “Microwave indced ecofriendly solvent free synthesis quinozolin”, Department of Chemistry, KU, Warangal dated on 6-7th April 2018.

❖ N. Harish presented a paper on “Traslations in Telangana writings region to nation”, Dept.of English, Pondicherry University, Pondcherry, dated on 15-16, March 2018.

❖ Dr.C. Goverdhan presented a paper on “Voices of protest in santha rama rao "Home to India"-A study”, Depatrment of English, KU, Warangal, dated on 26-27th February, 2018.

❖ N. Harish presented a paper on “Feminism in god of small things", Depatrment of English, KU, Warangal, dated on 26-27th February, 2018.

❖ N. Harish presented a paper on “Movement Literature: A study of telangana writing", Dept. English, University of Mumbai, Mumbai, dated on 3,Feb,2018.

❖ Dr.C. Goverdhan presented a paper on “Inegration of Technology in Teachers Education and Capacity buidings programmes-choices and challenges”, Department of English, Sathyabama Institute of science and technology, Delhi, dated on 26-27th February, 2018.

❖ T.Satyanarayana presented a paper on “Shalimar the elown:Puhodias concept of borderless world”, The English and foreign launges University, Hyderabad, dated on 18-20, Jan, 2018.

❖ T.Satyanarayana presented a paper on “English Language Teaching in the Changing Scenario; A paradigm Shift”, ELT, Rajasthan:Jaipur, dated on 30th -31st October 2017.

❖ T.Satyanarayana presented a paper on “Corporate Training and Environmental Consciousness”, St. Teresa’s College Ernakulam, Kerala, dated on 29th June to 01st July 2017.



## *Humanities and Sciences*

The department of Humanities and sciences is a supporting department to all Engineering Branches. In addition to Basic Sciences like Mathematics, Physics and Chemistry, here the students are also exposed to English and Environmental Science. Engineering is mainly a domain of application of Mathematics, Physics and Chemistry. A proper knowledge of Mathematics, Physics and Chemistry is, therefore, indispensable for an engineer to excel in one's chosen field.

Besides, Knowledge of English language has become an object of importance in today's professional scenario. Communication skills along with a command over English language play a vital role to enable a student to succeed in one's student as well as professional life. Overall, the department plays a crucial role to give a firm foundation to students in the I year of their Engineering by imbibing logical thinking, problem solving attitude and aptitude and communication to meet the future challenges confidently.

❖ P. Anuradha, Hemalatha Rallapalli, G.Narsimha published a paper entitled “Versatile Intelligent Elm Algorithm For Workload Characterization” in Journal of Advance Research in Dynamical and Control Systems(JARDCS) with ISSN 1943-023X Vol. No.: 10, Year/ Month of Publication: July 2018 Page No’s: 177-184 [Scopus Indexed Journal]

❖ J. Tarun Kumar, M. Sampath Reddy, P. Ramchandrarao published a paper on “Equalizer Design To Compensate Impairments In Ofdm System”, in Jour of Adv Research in Dynamical & Control Systems, on July 2018, Vol: 10, (Special Issue-2), Page No.: 1819-1826.

❖ L.MARIA IRUDAYA LEO JOSEPH published a paper on “Detection And Segmentation Of Retinal Blood Vessel In Digital Rgb And Cieluv Color Space Fundus Images”, in Journal of Pharmaceutical Sciences and Researc Research Journal of Pharmacy and Technology, on August 2018.

❖ K. Naveen, Y. Shekar published a paper on “High- Parallel Turbo Decoder VLSI Design”, in in International journal of pure and applied mathematics, on August 2018.

❖ Y. Shekar, K. Naveen published a paper on “Design of VLSI Architecture for High Efficiency Video Coding Interpolation Filter”, in in International journal on advance Research in dynamical & control systems, on August 2018.

❖ Soma Umamaheshwar, Tipparti Anil Kumar, and Kunupalli Srinivas Rao, “Performance of MIMO Detection Techniques with Spatial Multiplexing ”, in International Journal of Engineering & Technology (IJET) (UAE), on August 2018, Vol. 7, Issue:33, Page No:752-754, ISSN:2227-524X.

❖ G. Renuka published a paper on “Comparison Of Aes And Des Algorithms Implemented On Virtex-6 Fpga And Microblaze Soft Core Processor”, in International Journal of Electrical and Computer Engineering IJECE, on October 2018, Vol: 8, Issue:5, ISSN: 2088-8708.

❖ J. Mounika, Dr. J.Tarun Kumar published a paper on “Another Approach For Mechanical Electrical Parameters Controlling And Checking Utilizing Iot Innovation”, in Advances in Computational Sciences and Technology, on November 2018, Vol: 11, Page No.: 23-33.

❖ Ch. Sridevi published a paper on “An Enhanced Study Of Computational Fluid Dynamics” , International Journal of Public Health Research & Development , Vol. 9, No. 11, November-2018, pp. 706-711.

❖ Sreedhar Kollem, Katta Rama Linga Reddy, Duggirala Srinivasa Rao published a paper on “Denoising And Segmentation Of Mr Images Using Fourth Order Non-Linear Adaptive Pde And New Convergent Clustering”, in International Journal of Imaging System Technology, RESEARCH ARTICLE, on November 2018, Page No.: 1-15,

❖ Nutenki Siddhartha, G .Renuka published a paper on “Coding Techniques For Implementation of Fault Tolerant Parrallel Filter Using Eccs”, in International Journal of Electronics Engineering Research, on November 2017, Vol: 9, Issue: 10, Page No.: 1493-1500.

❖ Sangeetha Sadul, Rajeshwar Rao Arabelli published a paper on “IoT Based Monitoring and Control System for Appliances”, in Advances in Computational Sciences and Technology, on November 2018, Vol: 11, Page No.: 35-42.



# HUMANITIES AND SCIENCES

- ❖ Dr. T. Chandrabai, E. Ramesh, Gunda Mahesh Kumar published a paper on “The Role of Technology Management on Innovation Success and Performance of Organization Empirical Study”, in International Journal of Civil Engineering and Technology (IJCIET), on December 2018, Vol: 9, Issue: 13, Page No.: 819-826, ISSN: 0976-6308.
- ❖ S. Srinivas, T.Chandraprakash, M. Shyam Sunder published a paper on “Implementation of Adaptive Channel Estimation and CIR Support Based on Pilot Arrangement and Adaptive Filtering in Mimo-Ofdm Systems”, in International Journal of Engineering & Technology, on December 2018, Page No.: 236-239.
- ❖ E. Ramesh, D. Ramesh Babu, P. Ramchandar Rao published a paper on “The Impact Of Project Management In Achieving Project Success- Empirical Study”, in International Journal of Mechanical Engineering and Technology (IJMET), on December 2018, Vol: 9, Issue: 13, Page No.: 237-247, ISSN: 0976-6340.
- ❖ Ch. Rajendra Prasad published a paper on “Fault Tolerant Parallel Filters Based On Ecc Codes” in Advances in Computational Sciences and Technology ISSN 0973-6107 Volume 11, Number 7 (2018) pp. 597-605 © Research India Publications.
- ❖ L.Maria Irudaya Leo Joseph published a paper on “Comparative Study Of Soft Computing Based High-Resolution Satellite Image Segmentation In Additive And User-Oriented Color Space”, in Microelectronics, Electromagnetics and Telecommunications, Lecture Notes in Electrical Engineering, on December 2018.
- ❖ Sreedhar Kollem, Katta Ramalinga Reddy and Duggirala Srinivasa Rao, A Review of Image Denoising and Segmentation Methods based on Medical Images submitted to Journal of Engineering and Applied Sciences (Accepted), (Scopus indexed journal)

## Conferences

- ❖ Mohammed Yasim Ali , Dr.Syed Musthak Ahmed presented a paper on “A Delay-Sensitive Unwired Net To Improve Quality Transmission” in 2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies, on August, 2017, Page. No: 17-22.
- ❖ Shaik. Bajid Vali, Dr.Anil Kumar Sharma, Dr.Syed Musthak Ahmed presented a paper on “Implementation Of Modified Chan Vase Algorithm To Detect And Analyze Diabetic Foot Ulcers”, in 2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies, on August, 2017, Page. No: 36-40.
- ❖ Anusha, Dr. Syed Musthak Ahmed presented a paper on “Vehicle Tracking And Monitoring System To Enhance The Safety And Security Driving Using IoT”, in 2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies, on August, 2017, Page. No: 49-53.





Student Achievements :

Name of the Student	Name of the Conference / Symposium	Organized by	Name of the Event	Month & Year
K.Enosh Md.Imran	IUCEE-SCALE Annual Student Conference	Thiagarajar College of Engineering	Transforming Communities: Empowering Lives	5th – 7th January, 2018.
Prakash Raineni, L.Vivek	Comprehensive Automobile Development Internship	BITS Pilani,	Internship	16th - 23rd December, 2017.
Mansoor Ali Sabir, Mohammad Mufteen Ansaar, Syed Amer Irfan, Mohd. Imran Ahmed	TIE Grand Fostering Entrepreneurship	SRIX, Warangal.	TIE Grand Business Plan Competition	18th December, 2017.
K.Enosh, G.Shravan K.Vamshi krishna E.Naresh nayak	Robocon	MIT, Pune.	Robo Race Competition	26th February – 2ndMarch, 2018.
G.Ashok E.Ramyasri G.Sai Manish	Make n-Market	SRIX, Warangal.	Ideation Fest	2nd February, 2018.

Placements:

Name of The Company	No. of the Students
Power Mech	03
IBS	01
Justdial	04
Rapid Robotics	01
HGS	01
Tech Mahindra	01
Wonjin	18
New Dolphin Machining Solutions	01
India Industries	2
Meldon Industries	1
Asahi India Glass Ltd	4
Infosys	1

❖ A.Subba Rao, Prathik Ganguly, Dr. Syed Musthak Ahmed presented a paper on “Implementation Of Efficient Cache Architecture For Performance Improvement In Communication Based System”, in International Conference on Current Trends in Computer, Electrical, Electronics and Communication (ICCTCEEC), Mysore, from 8th & 9th September 2017.

❖ B.Girirajan, L.M.I.Leo Joseph presented a paper on “Modelling of Hybrid Surveillance Rodot For Detection Of Conflagration”, in 2nd International Conference on Science, Technology & Management (ICSTM-2017), The Institute of Electronics and Telecommunication Engineers, Osmania University Campus, Hydearbad, on October, 2017.

❖ Ganesan P, B.S Satish, L.M.I.Leo Joseph, V.Kalist presented a paper on “Cielch Color Space Based Satellite Image Segmentation Using Soft Computing Techniques”, in 3rd International Conference on Next Generation Computing Technologies, Computer Science Engineering, UPES, Dehradun, from 30th & 31st October, 2017.

❖ Umamaheshwar Soma, Anil Kumar Tippiarti, Srinivasa Rao Kunupalli presented a paper on “Improved Performance Of Low Complexity K-Best Sphere Decoder Algorithm”, in International Conference on Inventive Communication and Computational Technologies (ICICCT 2017), organized by IEEE, on June 2018, Page No.: 490-495.

❖ Ravichander Janapati, ch.Balaswamy, K.Soundararajan presented paper on “Enhancement Of Localized Routing Using CDP SO In WSN” in spaces-2018 at KL University, organized by IEEE(Scopus indexed).

Honors:

❖ S. Srinivas, P. Ramchandar Rao have been authorized as certified Lab View trainers by National Instruments, Bangalore.

Faculty Achievements

❖ Mr. Janapati Ravichander was awarded Ph.D degree under Jawaharlal Nehru Technological University, Ananthapur for his work “An Efficient Implementation Of Localization Algorithms For Wireless Sensor Networks” on 13th November, 2017.

❖ S. Srinivas, P. Ramchandar Rao are successfully Completed “Certified Labview Associate Developer (CLAD)” Exam on 24-11-2018, Organized by National Instruments at Department of Electronics and Communication Engineering, RVR & JC Engineering College, Guntur.

Student Achievements

❖ Mr. Ameerullah started a startup company “DIGI TECHOTRONIC” in 2018.

❖ Mr. Chandu started a startup company “Befend” in 2018.



## Placements

Name of the Company	No. of Students Placed
Aliens Group	07
HGS	21
IBS	06
Infosys	05
Justdial	06
Rapid Robotics	02
Savantis Solutions LLC	02
SD Mactech	02
Tech Mahindra	02
Triangle Tele Incorporation	14

❖ Ashok Kumar Vootla and Pulla Sammaiah “Factors Affecting Friction Surface Coating on Aluminum Pipe IOSR” Journal of Engineering (IOSRJEN) September 2017 50-55 ISSN (e): 2250-3021, ISSN (p): 2278-8719

❖ Ved Prakash, Shubham, Pankaj Kumar, P.K.Singh, A.K.Das, S.Chattopadhyaya, A.Mandal & A.R.Dixit “Surface alloying of miniature components by micro-electrical discharge process Materials and Manufacturing Process.” August, 2017. 1-11. ISSN:1042-6914

❖ Ved Prakash, Pankaj Kumar, PK Singh, M Hussain, AK Das and S Chattopadhyaya “Micro-electrical discharge machining of difficult-to-machine materials: A review” Journal of Engineering Manufacture. July, 2017. 1-31

❖ Pulla Sammaiah, M. Sneha and N. Sudheer Kuma “Effect of Heat Treatment & Machining Process for Deposition of Al<sub>2</sub>O<sub>3</sub> Nano Particles on Steel Materials Today: Proceedings - 2017. 5413-4320

❖ Vootla Ashok Kumar, Pulla Sammaiah “Comparison of Process Parameters Influence on Mechanical and Metallurgical Properteis of Zinc Coating on Mild Steel and Aluminium During Mechanical Process” Elsever - Science Direct Materials Today: Proceedings. 2017. 1-7

❖ P.Satish Kumar, Ch.S.R.Sastry A.Devaraju “Influence of Tool Revolving on Mechanical Properties of Friction Stir Welded 5083Aluminum alloy Materials” Today Proceedings Elsevier, vol 4, issue 2, 2017. 330-335 ISSN2214-7853

## Conferences

❖ N.Praveena Devi, “Numerical and Experimental Studies of Nanofluid as a Coolant Flowing Through a Circular Tube”, International Conference on Numerical Heat Transfer & Fluid Flow (NHTFF-2018), Organized by Dept. of Mathematics. Venue: NIT, Warangal. 19-01-2018 - 21-01-2018.

❖ Dr. Pankaj Kumar, “Transformations in Engineering Education”, International Conference on Transformations in Engineering Education (ICTIEE-18), organized by Bennett University, Greater Noida. Venue: Bennett University, Greater Noida. 04-01-2018 - 06-01-2018.



International Journal of Mechanical Engineering and Technology (IJMET) vol 8, issue 11, Nov-2017. 327-334.  
ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ Praveena Devi N, Kiran Kumar K “Effect of ribs on natural convection Heat transfer in vertical isothermal Heat channel” International Journal of Mechanical Engineering and Technology (IJMET) vol 8, issue 11. Nov-2017. 285-291. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ L. Radhakrishna, N. Gopikrishna, “Prefabricating and testing of air Driven engine” International Journal of Mechanical Engineering and Technology (IJMET). Vol 8, issue 11, Nov-2017 238-251. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ J. Manoj Kumar, N. Gopikrishna “Comparative Studies On Mechanical Characteristics of Granulated Blast Furnace Slag And Fly Ash Reinforced Aluminium Composites” International Journal of Mechanical Engineering and Technology (IJMET), vol 8, issue 11, Nov-2017 277-284. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ S R V Narsaiah .S, Lakshmipathi Yerra, Prasanna.V, L.Radhakrishna, “Design and analysis of indexing type Drill jig for a missile component” International Journal of Mechanical Engineering and Technology (IJMET). Vol 8, issue 11, Nov-2017. 889-898. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ S.Sravva, D.Raghavendra. “Influence of Mechanical Properties on Hybried Composites, International Journal of Mechanical Engineering and Technology” (IJMET). Vol 8, issue 11, Nov-2017 552-560. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ Kamarapu Santhosh and Aruri Devaraju “Practices in FSW welding and Investigate effect of tool turning Speed on tensile properties and Microhardness of dissimilar Aluminium alloys” 2024 & 6061 International Journal of Mechanical Engineering and Technology (IJMET). Vol 8, issue 11, Nov-2017. 65-172. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ B. Satish Kumar, G. Janardhana Raju, and G. Janardhana Ranga “Deadlock Avoidance and Re-routing of Automated Guided Vehicles” (AGVs) International Journal of Control Theory and Applications. Vol 10, issue 14, Nov. 2017. 179-184 ISSN:0974-5572

❖ Nangunoori Divya, V.Devender, “Mechanical Behaviour of Banana Flex Fiber Reinforced Soy Resin Composites” International Journal of Modern Engineering Research (IJMER). Vol 7, issue 10, October 2017 15-19 ISSN:2249-6645

❖ D.Ramesh Babu, B.Satish Kumar, “Viscoelastic behaviour of alginate texturized muskmelon (Cantaloupe) pulp”. International Journal of Agricultural Engineering. Vol 10, issue 2, October 2017 657-66. ISSN-0976-7223

❖ Dheeraj Joshi “Experimental Investigation Of Heat Transfer Characteristics Using Shell And Tube Heat Exchanger Equipped With Segmental And Doughnut Baffles” International Journal of Mechanical Engineering and Technology (IJMET)

❖ Bushra Shimrose, B.Satish Kumar, N. Gopikrishna “Surface Modifications Of EN 8 Steel With Application Of Various Cutting Fluids During Machining Process” International Journal of Innovative Technology And Research (IJITR).

# MECHANICAL ENGINEERING





## *Mechanical Engineering*

### VISION

Be a leader in promoting entrepreneurial mechanical engineering education, industry-relevant research and community building.

### MISSION

- Nurture Innovation, Creativity, Entrepreneurial Mindset, and Mechanical Engineering Knowledge in students by implementing novel educational experiences
- Develop effective instructional infrastructure and faculty resources.
- Promote interdisciplinary learning and expertise in the application of Information Technology.
- Contribute to community development and the growth of Mechanical Engineering through service, consulting and research activities

International Journal of Materials Science, vol 12, issue4, December, 2017 591-597 ISSN 0973-4589

❖ Kuntala Goutham Krishna, Aruri Devaraju, and B. Manichandra “Study on Mechanical Properties of Friction Stir Welded Dissimilar AA2024 and AA7075 Aluminum Alloy Joints”, International Journal of Nanotechnology and Applications vol 11, issue 3 December, 2017. 285-291 ISSN 0973-631X

❖ K.SAGAR, L. Radhakrishna “The Influence of Nickel Addition on the Strength Hardness and impact Strength of AA6061 Fabricated by Stir Casting Method” International Journal of Materials Science, vol 12, issue 4, December, 2017. 607-615 ISSN 0973-4589

❖ L. Radhakrishna, N. Gopikrishna, and S R V. Narsaiah “Design and Manufacturing of Gear Trains” Research J. Engineering and Tech. vol 8, issue 4, October-December 2017 1-13 ISSN 0976-2973(Print), 2321-581X(online)

❖ B.Rajesh, L.Radhakrishna and K.Venkata Reddy “Finite Element Analysis of Knee Implant and Prototype Fabrication using RPT Process” International Journal of Mechanical Engineering and Technology (IJMET) vol 8, issue 12, Dec-2017. 197-205. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ Koona Shiva Prasad, Aruri Devaraju & Kamarapu Santhosh Kumar, “Mechanical And Microstructural Characterization of Friction Stir Welded AA 6061 & AA 2024 Dissimilar Aluminum Alloy Joints” International Journal of Advanced Research in Computer Science vol 8, issue 9, November-December 2017. 308-312. ISSN No. 0976-5697

❖ D.Srikanth Rao, P.Ravinder Reddy, S.Venkatesh “Determination of Mode-I Fracture Toughness of Epoxy-Glass Fiber Composite Laminate” International Journal of Mechanical Engineering and Technology (IJMET) vol 8, issue 11, Nov-2017. 197-203, ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ D.Raghavendra, S.Sravya. “Influence of Process Parameters on Mechanical Properties of Friction Stir Welding of AA 6061-T6 Alloy” International Journal of Mechanical Engineering and Technology (IJMET) vol 8, issue 11, Nov-2017. 528-534. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ P.Nagabramham “Fabrication, Characterization And Testing Of Aluminum Based Composite Material International Journal of Mechanical Engineering and Technology” (IJMET) vol 8, issue 11, Nov-2017. 494-499. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ P. Satish Kumar, Dr. Ch. S.R. Sastry, M. Shiva Chander “Impact of Tool Rotational Speed And Pin Profile on Mechanical And Microstructural Characterization of Friction Stir Welded 5083 Aluminium Alloy” International Journal of Mechanical Engineering and Technology (IJMET) vol 8, issue 11, Nov-2017. 335-344. ISSN Print: 0976-6340 and ISSN Online: 0976-6359

❖ M. Shiva Chander, P. Satish Kumar, A. Devaraju “Influence of taper tool profile on Mechanical and microstructural Characterization of friction stir Welded 5083 aluminium alloy”



❖ Praveena Devi N, Ch. Srinivasa Rao, Kiran Kumar K, "Suitability of magnetic nanofluid in heat transfer loops", International Journal of Heat and Technology January- March 2018, ISSN 0976-2973 (Print) 2321-581X (Online), vol 9, issue 1, pp: 75-84.

❖ V. Devender, V. Mahesh, N. Gopikrishna, "Evaluation of Young's Modulus and Poison's Ratio using Bulge Test", Research Journal of Engineering and Technology March, 2018

❖ Bollepelly Manichandra, Aruri Devaraj, Pulluru Satish Kumar, "Mechanical and microstructural characterization of Al 6061-t6/SICP nano surface composites by friction stir processing (FSP)", Research Journal of Engineering and Technology January- March 2018 ISSN 0976-2973 (Print) 2321-581X (Online), vol 9, issue 1, pp: 27-36

❖ D. Srikanth Rao, N. Gopikrishna, J. Manoj Kumar, "Evaluation of Mode-I Fracture Toughness for Composite Laminate - Epoxy-Glass Fiber", Research Journal of Engineering and Technology January-March 2018 0976-2973 (Print) 2321-581X (Online), vol 9, issue 1, pp: 70-74.

❖ B. Satish Kumar, G. Janardhana Raju, G. RangaJanardhana, "Simulation Modelling and Analysis of Flexible Manufacturing Systems with flexsim software", Research Journal of Engineering and Technology January- March 2018 0976-2973 (Print) 2321-581X (Online), vol 9, issue 1, pp: 1-5.

❖ Ch. Vinay Kumar Reddy, Dr.I Rajasri, "Efficiency of Riveted Joints: Lozenge Joint", International Journal for Research in Applied Science & Engineering Technology (IJRASET) February, 2018 ISSN: 2321-9653; vol 6, issue 2, pp: 542-544.

❖ P. Nagabharam, D. Srikanth Rao, J. Manoj Kumar, N.Gopikrishna, "Investigation of Mechanical Properties of Friction Stir Welded pure Copper Plates", Elsevier ScienceDirect Materials Today February, 2018, vol 5, issue 1(1), pp: 1264-1270

❖ Md. A. Omer Siddique, L. Radhakrishna, Bollepelly Manichandra, "Experimental Investigation of Hybrid Natural Fiber Composite Laminate", International Journal of Materials Science January, 2018 ISSN 0973-4589, vol 13, issue 1, pp: 1-4.

❖ G.Ramya, B.Satish Kumar and N. Gopikrishna, "Optimization of Milling Process Parameters using Taguchi Parameter Design Approach", International Journal of Nanotechnology and Applications 2017, ISSN 0973-631X, vol 11, issue 4, pp: 293-304

❖ Ch. Shiva Krishna, J. Manoj Kumar, "The Effect of Nickel on Mechanical Properties of Aluminium Alloy Al - 7075", International Journal of Materials Science 2017. ISSN 0973-4589, vol 12, issue 4, pp:627-633

❖ Md Imran Mohiuddin, Aruri Devaraju and B. Manichandra "Analysis of Micro Structural Characterization of Solid State Welded Dissimilar Aluminum Alloy Joints (Al2024 & Al7075) International Journal of Materials Science vol 12, issue 4, December, 2017, 599-605, ISSN 0973-4589

❖ Naroju. Shivaji, Satish kumar.P and Aruri Devaraj "Study on Mechanical and Micro Structural Possessions of Friction Stir Welded AA5083 and AA6061 Alluminum Alloy Joints,

### *Conferences/Seminars/workshops/FDPs Conducted:*

❖ A two day training program on "Solid Works" organized by ISTE from 7th – 8th August, 2017.

❖ An expert talk on "PLM" organized by ISTE held on 20th November, 2017.

❖ A two day training program on "Student Consortium for Advanced Learning in Engineering Education" organized by IUCEE held from 14th –16th September, 2017.

❖ An expert talk on "Composite Materials" organized by IIW held on 20th April, 2018.

❖ An expert talk on "Advanced Welding Technologies" organized by IIW held on 2nd February, 2018.

❖ A one week training program on "Automobile Development Internship" organized by SAE held from 16th - 23rd Dec, 2017.

❖ A two day workshop on "Vehicle Design & Engineering" held from 18th -19th Dec, 2017

❖ A two day workshop on "Robotics" held from 10th –11th October, 2017.

❖ Guest Lecture on "Nano-materials and Applications" organized by IEI held on 16th March, 2018.

### *Conferences/Seminars/workshops/FDPs Attended:*

❖ A two days workshop on "Linear Static Analysis using Hypermesh and Abaqus" delivered by Mr. N. Phanini, Senior Design Engineer, Hyundai Motors Organized by Dept. of Mech. Engg. Held on 16-02-2018 to 17-02-2018

❖ A two day workshop on "Engineering Education" delivered by Dr. Soham Soboni, USA, held from 20-12-2017 to 21-12-2017.

❖ A two days workshop on "All Terrain Vehicle- Design And Engineering" delivered by Avinash Singh, CEO of Machines Networks, Bishnu Pratap Singh, Digital Marketing Executive, Maruti Suzuki and Nishant Kar, Executive Business Strategist and Brand Manager (ASIA - AFRICA), held from 18-12-2017 to 19-12-2017

❖ A five Day workshop on "Computational Mathematics Lab" delivered by Dr. Pankaj Kumar, Asst. Prof., ME Dept, held from 02-1-2018 to 08-01-2018

### *Faculty Publications:*

#### *Journals*

❖ Jay Prakash Srivastava, Prabir Kumar Sarkar, MV Ravi Kiran and Vinayak Ranjan, "A numerical study on effects of friction-induced thermal load for rail under varied wheel slip conditions, Simulation: Transactions of the Society for Modeling and Simulation International, DOI: 10.1177/0037549718782629, pp: 1-12

❖ Uday Kumar 1, D. K. Gope 1, J. P. Srivastava, Somnath Chattopadhyaya, A. K. Das & Grzegorz Krolczyk, "Experimental and Numerical Assessment of Temperature Field and Analysis of Microstructure and Mechanical Properties of Low Power Laser Annealed Welded Joints, MDPI-materials.





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