

RVR & JC CE

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RVR & JC COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Sponsored by Nagarjuna Education Society - Approved by AICTE - NAAC 'A' Grade - Affiliated to Acharya Nagarjuna University)
CHANDRAMOULIPURAM - CHOWDAVARAM - GUNTUR - 522 019.

Red Letter Days..

Some days are special...the days when our history took a new turn, the days on which great heroes and martyrs were born and the days of great achievements. The students of RVRJCCE celebrated these special days to recollect the achievements and contributions of the great people.



Dr K Basavapunnalah speaking at Independence Day Celebrations



Celebrating Gandhi's Birth anniversary inviting Freedom fighter Pavuluri Sivarama Krishnaiah



ENGINEERS DAY - EXHIBITION



CELEBRATING EDUCATION DAY



CELEBRATING CONSTITUTION DAY



CELEBRATING MATHEMATICS DAY

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MARKS OF MATURITY

- A mature person is able to keep long-term commitments. One key signal of maturity is the ability to delay gratification. Part of this means a person is able to keep commitments even when they are no longer new or novel. They can commit to continue doing what is right even when they don't like it.
- A mature person is unshaken by flattery or criticism. As people mature, they sooner or later understand that nothing is as good as it seems, and nothing is as bad as it seems. Mature people can receive compliments or criticism without letting it ruin them or sway them into a distorted view of themselves. They are secure in their identity.
- A mature person possesses a spirit of humility. Humility parallels maturity. Humility isn't thinking less of yourself; it is thinking of yourself less. Mature people aren't consumed with drawing attention to themselves. They see how others have contributed to their success and can honour them. This is the opposite of arrogance.
- A mature person's decisions are based on character, not feelings. Mature people—students and adults—live by values. They have principles that guide their decisions. They are able to progress beyond merely reacting to life's options, and be proactive as they live their life. Their character is master over their emotions.
- A mature person expresses gratitude consistently. I have found that the more I mature, the more grateful I am, for



both big and little things. Immature children presume they deserve everything good that happens to them. Mature people see the big picture and realize how good they have it, compared to most of the world's population.

- A mature person knows how to prioritize others before themselves. A wise man once said: A mature person is one whose agenda revolves around others, not self. Certainly this can go to an extreme and be unhealthy, but I believe a pathway out of childishness is getting past your own desires and beginning to live to meet the needs of others less fortunate.
- A mature person seeks wisdom before acting. Finally, a mature person is teachable. They don't presume they have all the answers. The wiser they get, the more they realize they need more wisdom. They're not ashamed of seeking counsel from adults (teachers, parents, coaches) or other sources. Only the wise seek wisdom.

Author : Dr. Tim Elmore
Source - Internet



New Engineering Course CSBS

RVR & JC College of Engineering is offering a 4 year undergraduate Engineering Course in 'Computer Science & Business Systems' (CSBS) from the academic year 2019. The CSBS curriculum aims to ensure that the students graduating from the program not only know the core topics of Computer Science but also develop an equal appreciation of humanities, management sciences and human values. The students will be exposed to emerging topics such as Analytics, Machine Learning, Cloud Computing, Internet of Things etc. to make them industry ready at the end of four years of study.

With regard to this RVR&JCCE signed an MoU with TCS in July. As part of the MoU, TCS will support RVR&JCCE by training and developing the faculty, organising guest lectures by expert



Secretary R. Gopala Krishna exchanging MoU with TCS Academic Head, Chandra Koduru

practitioners from the industry, and by engaging in continuous assessment of the students. Additionally, TCS will also offer internship to select students undergoing this program and involve them in meaningful projects to provide first-hand exposure to the real-life business problem.

Chandra Koduru, Head – Academic Interface Programme, said “through this programme, we are confident to develop bright, committed and ethical Computer Science graduates to address the future human resource needs of Indian IT industry in the era of Business 4.0”.

3.54 Crore Solar Power Plant at RVRJCCE



Inauguration of Solar Plant

As an environment friendly initiative, the RVR&JC College of Engineering has set up a 500kW Solar Energy Power Plant, on its main campus and 200 kW power plant at the boys hostel, under net metering scheme in the month of December. This solar plant was commissioned with an expenditure of Rs 2.60 Crore for 500 kWp plant and Rs 0.94 Crore for 200kWp plant. The 500 kWp plant generates approximately 2000 kWh (units) per day, and the 200 kWp plant generates 800 kWh (units) per day. The solar plant installation shall minimize expenditure on electricity and enable generation of clean energy that is environment friendly. President, Dr. R. Srinivas, Secretary, R. Gopala Krishna, along with the other members of the Nagarjuna Education Society, inaugurated the plant.



ALUMNI MEET - 2019

The Alumni Meet - 2019 of RVRJCCE, organized on the college campus on 21 December 2019, was graced by 152 Alumni, ranging across various batches from various parts of the country and abroad. Speaking on this occasion, President Dr. Rayapati Srinivas narrated the successful journey of the 34 year old institution. Treasurer Dr. K. Krishna Prasad, in his address said that students are always the brand ambassadors of the college who share the vision and fame of the Institute. Secretary and Correspondent, R. Gopala Krishna wished all the old students and thanked them as they came all the way to see their college, faculty members and friends. He praised the achievements of alumni of RVR&JCCE in all walks of life. He felt that it was a matter of great pride for the college that its alumni are holding positions of responsibility in various Government organizations, PSUs, private sector, and academic institutions. Principal Dr. K. Srinivasu lauded the achievements of the alumni which helped in enhancing the fame of the Institution. He asked the alumni to communicate with the present students of the college to enhance their motivation levels. He asked them to contribute towards the growth of their Alma Mater. The Alumni gave suggestions and proposals to strengthen the alumni activities of the college. Few alumni shared their success stories. Few alumni from abroad USA, UK shared their views on bridging the gap between alumni and the institution and they promised to offer their services for the growth of departments and institution.

Freshers' Day Celebrations



Dr. Emani Siva Nagi Reddy being felicitated

The student parent meet and Freshers Day events were organised on 21st August and 7th September respectively. The student-parent meet was graced by Dr. Emani Siva Nagi Reddy, Chief Executive Officer of the Cultural Center of Vijayawada & Amaravati. He enlightened students on the importance of culture and its intrinsic value. The Freshers' Day was a memorable day to the freshers, with a cluster of cultural programmes. Guests present on this occasion were Dr. Vakkalagadda Radha Krishna Krupa Sagar, Member Secretary, AP Legal Cell Authority, Amaravati, Ms. K. Supraja, DSP, Guntur and Mr. Bhaskarabatl Ravi Kumar, Telugu Cine Lyricist.

ISO 9001:2015 Certification

TUV SUD Management Services South Asia Private Limited awarded ISO 9001:2015 Certification to RVR & JC College of Engineering. TUV SUD, after examining all facilities, records of various departments and teaching-learning methods, issued this certificate on this occasion the college President Dr. Rayapati Srinivas, appreciated the efforts of ISO Convener and Head Dr. B. K. Surya Prakasha Rao, Co-convener, Dr. B. Srinivasa Rao and all the staff members for securing the ISO Certification.

Funding Internal Research Projects

To promote better research culture in the organization, the college sanctioned internal research grant worth Rs. 8,80,000 to the faculty members of the departments of the college for the year 2019-20. In addition to this, the Management has also announced incentives for the faculty, who could bring out good research papers in quality journals.

Digital Literacy Programme



Digital Literacy Programme in progress

The two day Digital Financial Literacy, Master Trainers Training Programme was conducted under the sponsorship of AICTE, New Delhi by Learning Links Foundation, New Delhi, on Curriculum of JAADU GINNI KA Financial Literacy for Financial Inclusion by Vodafone India Foundation, during 6-7, August 2019. The sessions gave insight into various aspects of financial basics, banking and insurance sectors. It also highlighted the various saving schemes offered by the Govt. of India.

IEEE Student Branch Activities

An awareness program was organized for the third year students on 29th November, on the topic 'Higher education opportunities and Career options for Graduate students in the USA' by Ms. Srivani Alapati, NAND Product Development Engineer - R&D, Boise, Idaho, USA. She is the alumni of RVR&JCCE, EEE Department.



AP State Skill Development Corporation Programmes

APSSDC-ECM Convergence Training Center at RVRJCCE

An initiative of Government of AP, through APSSDC, in collaboration with ECM (European Center for Mechatronics), Aachen, Germany to develop a world class ecosystem in the fields of industrial manufacturing and robotics, created a network of nodal research centers in the Engineering colleges, across AP, to train 5,000 students and faculty members in the fields of Mechatronics & Industrial Robotics, over a period of 3 years. RVRJCCE is one among the selected colleges for this programme. Applied Robot Control Courses - ARC 1.0, ARC 2.0 and ARC 3.0 are designed to introduce students to the fields of automation and industrial robotics with a practical approach. The courses will be delivered by pioneers in the industry, faculties from prestigious German universities (through webinars), with the help of the faculty members from the Convergence Centers. Constant assessments and close



Faculty members with Resource Persons at Germany

monitoring will be done and certificates will be issued at the end of course.

Two faculty members from RVRJCCE, Dr. C.Tara sasanka from Mechanical Engg. Dept., and Mr. Murali Krishna from ECE, attended a three week training programme at Germany to train 37 students of RVRJCCE. Best performing students will be invited to join international exchange programmes to Europe and will have an opportunity to join masters programs in reputed universities in Europe, with possible scholarships. Eight RVRJCians of the first batch, who have completed ARC 3.0 course, grabbed jobs, in different companies.

Skill Improvement Programmes

- A total of 2217 students of CSE, ECE, ME, EEE and CE attended workshops on Python, IOT, AutoCAD, PLC, organized by APSSDC during July 7 – Oct 10, 2019.
- Dr. Ikkurthy Venkat, USA, delivered talk on 'Career Guidance after Graduation' on 17 October, 2019 for I year CSE, ECE, IT students. 450 students attended this programme.
- A one-week FDP on Automotive 4-wheeler for ITI faculty was conducted during Nov 4 - Nov 9 2019. A total of 10 faculty members successfully completed the programme.
- A 3-day FDP was conducted to the faculty of RVRJCCE in 'ETABS', during Nov 20 –Nov 22, 2019. 25 faculty members were benefitted from the course.



APSSDC Executive Director distributing participation certificate at FDP

- A 3-day workshop was conducted for the students of III year EEE on 'Problem solving with python' during Dec 11- Dec 30, 2019. 180 students were benefitted from this programme.
- A combined programme on 'Automation and Robotics' was conducted for the students of ECE, ME on 28 Aug, 2019.
- 91 students of Mechanical III and IV year successfully completed Dassault Systemes Certification on 6 December, 2019.
- Prof. M.V.P Chandrasekhara Rao CSE, attended 'Internshala Day 2019' celebrations and received appreciation certificate for encouraging more number of student internships from CEO, Mr. Sarvesh, on behalf of the institute, on 25 August, 2019 at AICTE Head Quarters, Delhi.



Dassault systemes software - certified students



Siemens - tSDI Programmes

- A foundation and expert training on 'Electrical Home' was given to 130 students of 4 Polytechnic and Engineering colleges from June – Dec. 2019.
- A foundation and expert level training on 'Electrical Commercial' was given to 384 students of Polytechnic & Engineering colleges from Oct, 2019 – Jan 2020.
- A foundation training on 'Auto 2 Wheeler' was given to 100 students of 2 Polytechnic colleges from December 2019 – January 2020.
- A foundation training on 'Auto 4 Wheeler' was given to 94 students of 5 Polytechnic colleges from November 2019 – January 2020.



- A foundation training on 'Solid Edge' was given to 144 students of 3 Polytechnic colleges in Sep. 2019.
- A foundation and expert training on 'Design CBT' was given to 20 students of 2 Polytechnic colleges during July –Nov. 2019.

IIT Bombay Remote Centre Activities

- A one-day workshop 'Linux' was conducted by IIT Bombay on August 23rd 2019. Ms. B. Manasa, Assistant Prof. CSE, participated in this workshop.
- A one-day workshop 'eSim' was conducted by IIT Bombay, on September 21st 2019. Mr.



Participants of 'R' workshop

Jayaram, Assistant Prof ECE, participated in this workshop.

- A one day IIT Bombay workshop on 'R' was conducted on 9 November, 2019 through RVRJC IIT Bombay Remote Centre. 35 faculty members attended the program.

NITTTR Programme

An ICT based one week 'STTP on Laboratory Safety Management' was conducted during 23-27 September, 2019 by NITTTR-Kolkata. The Coordinator of this STTP is Professor M.V.P. Chandrasekhar Rao of CSE. 46 teaching and non-teaching staff from RVRJCCE and outside colleges got benefitted from this course.

RVRJCCE Received 'AA' Rating in the NPTEL

RVRJCCE achieved 29th place in India, Swayam NPTEL Local Chapter, with overall Rating of 'AA'. Out of 300 Local Chapters, all over India, RVRJCCE stands in the 28th position and it has been receiving 'AA' rating continuously, since Jan. 2017. 876 students attended the NPTEL online examination-2019, out of which 23 got topper certification, 15 got Gold certification, 184 got silver certification and 261 got Elite certification. While appreciating students, Secretary, R. Gopala Krishna said that a comprehensive massive online education programme is the need of the hour for catering to the higher education needs of the present-day generation. Understanding this, the students and faculty of the institution have been actively taking up the NPTEL courses. In this connection, Professor



Prof. M. Chandrasekhara Rao receiving 'AA' Rating award

M.V.P. Chandrasekhara Rao, SPOC, received NPTEL Local Chapter 'AA' Rating award from IIT Madras.

LA & ICC PROGRAMMES

Guest Lecture on Stress Management

The Lady Advisory & Internal Complaints Committee (LA&ICC) arranged a guest lecture on 'Stress Management' on 5 July 2019 for the second year B.Tech students. Mr. Jagadeesh Chittala, Isha volunteer and Upayoga Instructor of Isha Foundation, Guntur center, advised students on how to handle stress. In his lecture, Mr. Jagadeesh elicited the root cause for stress and its impact on overall well being. He proclaimed on managing self and being happy from within. In his words - 'stress is not a precious emotion to cherish. One should understand that human mechanism has a user manual called yoga, which acts like an antidote to stress'. He advised students to practice yoga, in order to enhance their capabilities to the fullest.



Mr. Jagadeesh receiving memento

Awareness on Sexual Harassment at Work Place

A guest lecture is arranged on "Awareness on Sexual Harassment at Work Place" on 26th September, by the Lady Advisory & Internal Complaints Committee (LA&ICC) for Teaching and Non Teaching staff members of the college. Ms. Hima Bindu Sistla, PoSH Trainer, Hyderabad, interacted with the staff members on gender specific pre conceived notions. Ms. Hima Bindu debriefed the Indian Law on Sexual Harassment and clarified on what actually comes under sexual harassment with some live examples. She suggested the participants to quit the pre-conceived notions on gender specific roles and to maintain workplace harmony with gender parity.



Ms. Himabindu at the session

PGT Training

PGT Training Programme (Peer Group Motivational Program) was conducted by Project Resource Group of Women Development and Child Welfare Department, Govt. of AP, under Y.S.R. Kishori Vikasam Schemes on 2nd December for the registered students of III B.Tech about Child Marriages, Child Abuse, Child Trafficking, Anaemia & Nutrition, Menstrual Hygiene Management for Girls, Mahila Mithra & Cyber Mithra. The training programme was organised jointly by LA&ICC and NSS. Dr. P. Jayanthi, Professor in Gynaecology, delivered lecture on healthy life style and Menstrual Hygiene Management. Ms. Jaya Rani, ASI, impressed upon the students by giving real life examples of human trafficking on how victims suffered and also gave tips for self-help, self-protection by mentioning different distress numbers. S. Phani Rajendra, Co-ordinator, Child line, narrated about child abuse and child marriages and their impact on adolescent psyche. He suggested to propagate 'Child Help Line Number-1098' widely among the victims of child abuse. Child Development Project Officer Ms. Sridevi proclaimed on the need to initiate community service among youth to build a healthy, happy and safe society.



Resource person at the session

Safe 'SHE'-Disha

LA & ICC arranged a programme on 5th Dec, in response to the latest heinous crimes against women across the country. The programme entitled "Safe 'SHE'-Disha (Emergency Precautions)", was aimed at creating awareness among students on "Gender Sensitization and Social Responsibility". Tributes were paid to the departed soul - Disha. Speaking on this occasion, President Dr. Rayapati Srinivas suggested the girl students to take safety measures like carrying pepper spray and downloading safety Apps like 112 App, Mahila Mithra etc. Principal, Dr. KotaSrinivasu advised students to have emergency numbers like 112, 1091, 181 etc. on their mobiles as a proactive measure. Committee Convenor, Professor G. Sudhavani administered the pledge on Solidarity and Social Responsibility to all students.



Tributes to Disha



Department of Computer Science and Engineering

Workshops Organized

- An AICTE sponsored one week STTP on 'Multicore Architecture and Programming' was organized for the faculty members during 26-31 August 2019. Resource persons from DRDO, IITs and NITs shared their knowledge with the faculty. Lectures were delivered on topics like Evolution of processors, Need for Multi-Core Systems, OpenMP programming, Memory Architectures for Multi-core Systems, Introduction to MPI, MPI-Collective communication, Introduction to GPU Programming, Performance optimization using GPGPU's, Concurrent programming, Performance optimization Techniques, Parallel Programming and Industrial Trends'. Prof. M. Sreelatha, HoD CSE delivered a lecture on 'Scheduling'. A hands-on session is also conducted on 'OpenMP' and 'MPI Programming'.
- A training programme on 'National Cyber safety and Security Standards' was organized for third B.Tech students on 27 September, 2019. Resource persons Mr. Hanu and B. Krishna, National Technical Committee Members, New Delhi, educated students on cyber laws and security mechanisms for enhancing security in organizations.

Guest Lectures Organized

- Dr. M. Vanaja, Associate Professor, Azad National Urdu University, Hyderabad, delivered a lecture to all the final year students on 'Goal Setting' on 9 September, 2019.
- Mr. K. Samuel Babu, Jr. Scientist, ISRO, delivered a lecture to all the third year students on 'Computing Technology Developments in Computer Science' on 20 Sept, 2019.
- Mr. G. Naveen, Software Engineer, Microsoft, Hyderabad, delivered a lecture to all the final year students on 'Placement preparation' on 12 Dec, 2019.
- Mr. Pavan Satish Kumar, Principal Consultant, Oracle, Hyderabad, delivered a lecture to all the third year students on 'Industry Expectations' on 21 Dec, 2019.
- Mr. Suman Mummaneni, Cognitive System Engineer, Hyderabad, delivered a lecture to all the third year students on 'Contemporary Technologies in IT' on 21 Dec, 2019.



Dr. Vanaja receiving memento

Internal R&D Projects Sanctioned

- Dr. Ch. Aparna was sanctioned Rs. 50,000 for her research project proposal on 'A Comprehensive Study and Design of Human Emotion Recognition System from Visual Expressions Using Deep Learning Techniques'.
- Dr. N. Venkateswara Rao was sanctioned Rs. 30,000 for his research project proposal on 'A Deep Convolution Neural Network model for Recognition of Handwritten Digits using Skeleton Shape Features'.
- Dr. R. Lakshmi Tulasi was sanctioned Rs. 30,000 for her research project proposal on 'An automatic image description generation system: a Deep Learning approach'.

Mentoring

- Ms. K. Aravinda, Mr. M. Naveen, Asst. Profs, were appreciated as top performing mentor for mentoring the NPTEL online course 'Problem Solving with C', 'Design and Analysis of Algorithms' to the first and third year students, during July-October 2019.
- Mr. E. Ramesh, Asst. Prof. mentored the NPTEL Online courses - 'Programming in Java' and 'Design and Analysis of Algorithms' to the second and third year students during July - October 2019.

Research Paper Publications

- Karthik Kambhampati, A. Srinagesh, 'Deep Reinforcement Based Cloud Resource Allocation Based on Variable Auto Encoder (VAE)', International Journal of Engineering and Advanced Technology (IJEAT), pp.1498-1501, Vol.8, Issue. 5, June 2019.



- N. Venkateswara Rao, Kandepu Bhanu Sree 'AOW-ELM Algorithm for Finding the Harmfulness of Skewed Data Distribution related to Multiple Factors', International Journal of Research, pp.2531-2538, Vol. 3, Issue.VI, June, 2019.
- D.S.S. Kiran Relangi, Aparna Chaparala, Radhika Sajja, 'Perspectives in Water Quality Assessment', International Journal of Recent Technology and Engineering (IJRTE), pp 7-11, Vol.8, Issue.2S 4, July 2019.
- G. Hema Latha, Aparna Chaparala, 'Performance Research on different Machine Learning Algorithms for Detection of Sleepy Spindles from EEG Signals', IJITEE, pp.203-208, Vol.8, Issue.9S2, July, 2019.
- Karthik Kambhampati, A. Srinagesh, 'Client Server Communication with Effective Resource Balancing in Cloud Computing using Genetic Algorithm', International Journal of Recent Technology and Engineering (IJRTE), pp.6498-6502, Vol.8, Issue.2, ISSN:2277-3878, July 2019.
- M.V.P. Chandra Sekhara Rao, Murari Thejovathi 'Predictive Analysis for Consumer Demand Products in Fast Moving Consumer Goods (FMCG) using Hadoop Framework', Journal of Multidisciplinary Science & Technology, pp.10600-10605, Vol.6, Issue.9, Sept, 2019.
- Maddali M.V.M. Kumar, Aparna Chaparala, 'OBC-WOA: Opposition-Based Chaotic Whale Optimization Algorithm for Energy Efficient Clustering in Wireless Sensor Network', International Journal of Intelligent Engineering and Systems, pp-249-258, Vol.12, No.6, October 2019.
- Venkatesh Yadav, Sreelatha M, 'Classification of Telemarketing Data using Different Classifier Algorithms', International Journal of Innovative technology and Exploring Engineering (IJITEE), pp.1300-1306, Vol.8 Issue.12, October 2019.

Conferences/Workshops Attended

- Mr. G. S. Raghavendra, Asst. Prof, attended five day workshop on 'Distributing Computing Using Spark', conducted by IUCEE, organized by Aditya Engineering College, during 22 -26 July 2019.
- Ms. B. Manasa, attended a one day workshop on 'Coordinators Workshop on Linux', conducted by IIT Bombay, organized by Department of CSE, RVR&JCCE, on 3 August 2019.
- Mr. K. Siva Kumar, Mr. P. Rama Krishna, Ms. K. Aravinda, Mr. M. Brahmaiah, Asst. Profs, attended a one day workshop on 'Linux', conducted by IIT Bombay, organized by Dept. of CSE, RVRJCCE, on 23 August 2019.
- Mr. D. Praveen Kumar, Asst. Prof, attended a five day workshop on 'Java Programming', conducted by Oracle Academy, organized by KKR&KSR Institute of Technology and Sciences, during 26-30 August 2019.



Dignitaries at the STTP inaugural session

- Ms. K. Venkata Ramana, Assoc. Prof, Ms. B. Manasa, Asst. Prof. Mr. T. Murali Krishna, Ms. Sk. Gousiya, Programmers attended one week STTP on 'Multicore Architecture and Programming' sponsored by AICTE, organized by Dept. of CSE, RVR&JCCE, during 26-31 August 2019.
- Dr. A. Sri Nagesh, Dr. N. Venkateswara Rao, M. Brahmaiah, E. Ramesh, attended a one day workshop on 'eSim, a first course in the IoT Series for Teachers', conducted by IIT Bombay, organized by Dept. of CSE, RVR & JCCE, during 21 September 2019.
- Prof. M.V.P. Chandra Sekhara Rao, Mr. R. Mabu Basha, Mr. Ch. Srinivasa Rao, Asst. Profs, Mr T. Murali Krishna, Mr. D. Rama Krishna, Mr. A. Venu Gopala Krishna, Mr. P.B.S.S.V. Rama Rao, Programmers, attended one-week STTP through ICT Mode on 'Laboratory Safety Management' organized by NITTR Kolkata, organized by Dept. of CSE, RVR & JCCE, during 23-29 Sept, 2019.
- Dr. R. Lakshmi Tulasi, Assoc. Prof, Mr. K. Siva Kumar, Dr. Ch. Sudha Sree, Mr. P. Siva Prasad, Mr. M. Brahmaiah, Mr. P. Ramakrishna, Asst. Profs, attended one day workshop on 'R', conducted by IIT Bombay, organized by the Dept. of CSE, RVR & JCCE, on 9 Dec, 2019.
- Mr. Ch. Srinivasa Rao, Asst. Prof, attended a one week short term training programme on 'Predictive Analysis in Big Data Applications using Hadoop and R-Programming' sponsored by AICTE, organized by the Dept. of IT, Sreenidhi Institute of Science and Technology, Hyderabad during 16-21 December 2019.
- Mr. M. Srikanth, Assoc. Prof, Mr. E. Ramesh, Asst. Prof. attended two day workshop on 'Introduction to Robotics' conducted by IIT Bombay during 27-28 December 2019.

Online Courses Completed

- Dr. Ch. Aparna, Assoc. Prof. received Gold certificate on completion of the NPTEL course on 'Database Management System', offered by IIT Madras, during July-December 2019.



Prof. Sreelatha presenting memento

- Mr. E. Ramesh, Asst. Prof., completed NPTEL online course on 'Academic Writing', conducted by IIT Madras, during July-October, 2019.
- Mr. E. Ramesh, Asst. Prof, completed a self-learning online course on 'Understanding Open Educational Resources' conducted by Common wealth of Learning, on 18 Oct, 2019.

Ph.D Awarded Under Faculty Guidance

- Under the guidance of Professor M.V.P. Chandra Sekhara Rao, Jyothi Mandala was awarded Ph.D in August, 2019 by Acharya Nagarjuna University. The title of the thesis was 'A Framework to preserve the privacy of data using optimization technique'.
- Under the guidance of Professor M. Sreelatha, Anupriya Koneru was awarded Ph.D on 28 September, 2019 by

Acharya Nagarjuna University. The title of the thesis was 'A Decisive Multi - Cloud Service Broker in Multi - Cloud Environment'.

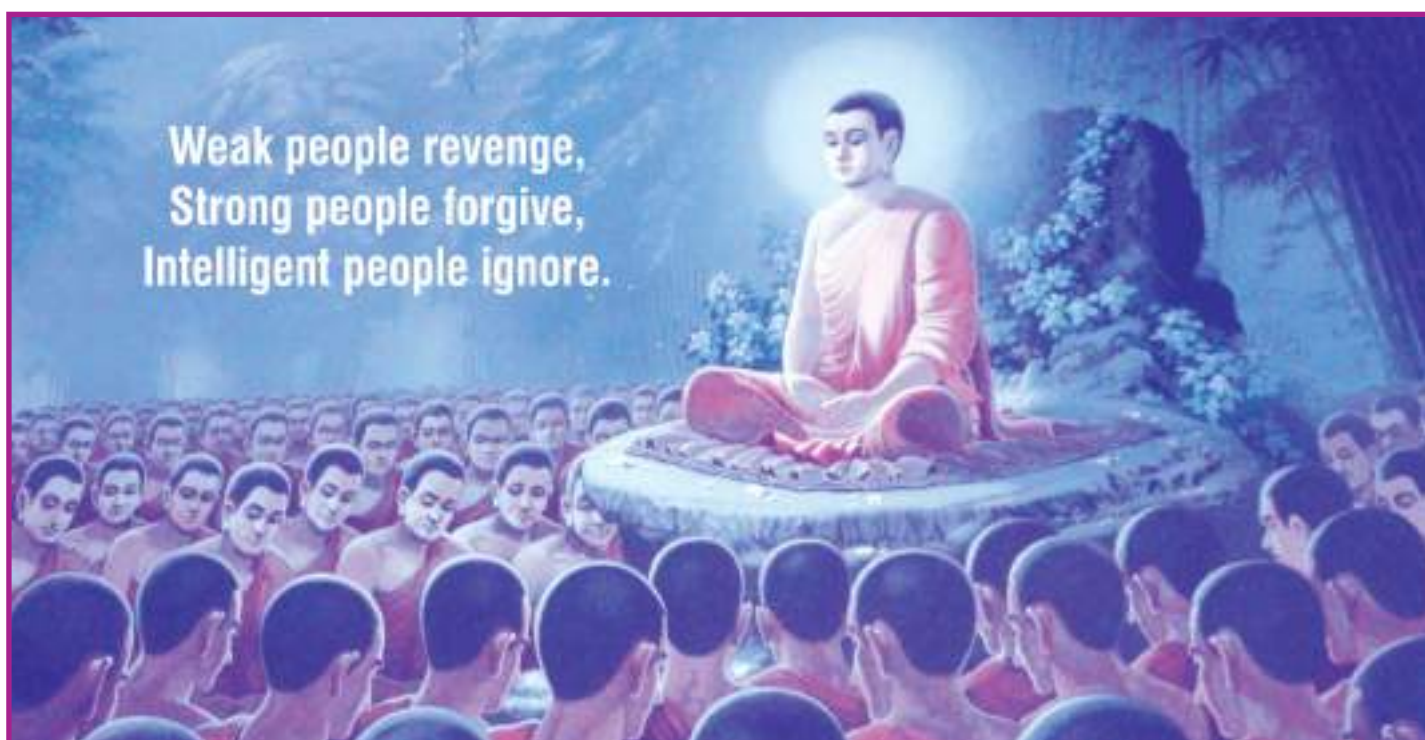
- Under the guidance of Dr. A. Sri Nagesh, Associate Professor, Karthik. K, was awarded Ph.D on 9 January, 2020 by Acharya Nagarjuna University. The title of the thesis was 'User Authentication for Resource Allocation in Cloud Environment using Machine Learning Approach'.

Ph.D Awarded

- Ms. B. Prasanthi, Asst. Professor, was awarded Ph.D for her thesis on 'Analysis and comparative study of Machine Learning Techniques to handle Brain Image Segmentation on Medical Images' by the ANU, in Nov, 2019.

ACM Chapter Activities

- An Inter college technical event 'TECHNIZEN' was conducted on 16 July, 2019.
- A technical contest 'Query Cracking' was conducted for all B.Tech and MCA students on 4 July, 2019.
- 'Hour of Code' is conducted for the eighth and ninth class students of Sri Venkateswara Balakuteer School (Chetana-Telugu medium, Nandana-English medium (State), Ushodaya-English medium (CBSE), Chowdavaram by the ACM Student Chapter on 12 Dec, 2019. Six events were conducted to the students such as presentations on Desktop Applications, Computer Fundamentals, Technical Demo, Building Profile, Augmented Reality, Quiz. Certificates were awarded to the students for their best performance in the quiz.





Department of Chemical Engineering

Workshops Organized

- An AICTE sponsored one week faculty STTP on 'Advances in Process Design by using Simulators (APDS)' was organized by the Department of Chemical Engineering. Resource persons Prof. A. Sarath Babu, Prof. V. Ramsagar & Prof. P.V. Suresh, from the Department of Chemical Engineering, NIT, Warangal and Prof. T. Sunil Kumar, Department of Chemical Engineering, IIT, Tirupati, shared their knowledge in the domain of advances in process design by using simulators, with overall 44 faculty members of which 8 participants from RVRJCCE and 36 from other colleges.

Research Projects Completed

- Project entitled 'Purification and Proteomics of Thermo Tolerant Lipase Isolated from Aspergillus sps. Infesting Oil Seeds' was completed by Dr. K. Sobha, Assoc. Prof., as Principal Investigator with a financial support of Rs. 1.85 lakhs under UGC Minor Research Project Scheme 2016.
- Project entitled 'A Kinetic Study for Photo Catalytic Degradation of Organic Contaminants using Nano-coated Catalysts' was completed by Ms. M. Sudheera, Asst. Prof. as Principal Investigator with a financial support of Rs. 1.71 lakhs, under UGC Minor Research Project Scheme 2016.

Research Projects in Progress

- A 2.05 lakh worth UGC Minor Research Project on 'Studies on the Removal of Trace Organics, Chlorides and Fluorides from Ground Water in Coastal Regions of Andhra Pradesh using Continuous Fixed Bed Adsorption Column', sanctioned to Associate Professor, Dr. P. Rohini kumar, is in progress.

Guest Lectures Organized

- V.V. Kishore Kumar, Trainee, Kish Academy, Guntur, delivered a guest lecture on 'Career Opportunities', on 5 July 2019.
- S. N. Upadhyay, Emeritus Professor, Dept. of Chemical Engineering & Technology, IIT (BHU) Varanasi, delivered guest lecture on 'Joy and Satisfaction of Idea Based Research', on 6 July 2019.



Dr. A. Sarath Babu at the inaugural session

- P. Malleswara Rao, Strategic Business Consultant, M/s. Towa Pharmaceutical Co. Ltd, Chennai, delivered a guest lecture on 'Pharma Business-Role for Chemical Engineers', on 28 August 2019.
- Ravuri Ravindra, Senior Consultant, DNVGL, KL, Malaysia, delivered a lecture on 'Simulations in Process Industries', on 11 December 2019.
- Dr. M. Vasudev Kumar, Process Engineering Specialist, Shell Technology Centre Bangalore, delivered a lecture on 'Importance of Process Simulation', on 31 December 2019.

Paper Presentations in Conferences

- Dr. C.V. Subrahmanyam, Professor & Head and Dr. D. N. V. Satyanarayana, Associate Professor, presented a paper on 'Mass Transfer with and without Chemical Reaction' in the National Conference on 'Recent Trends in Chemical, Petroleum, Food, Textile and Allied Technologies for Sustainable Development – NCRTCPFT 2019', organized by Department of Chemical Engineering, VFSTR-Vadlamudi, during 16-17 August, 2019.
- M. Sudheera, Assistant Professor, presented a paper on 'Photo Catalytic Degradation of Organic Dyes', in the National Conference on 'Recent Trends in Chemical, Petroleum, Food, Textile and Allied Technologies for Sustainable Development – NCRTCPFT 2019', organized by Dept. of Chemical Engg, VFSTR-Vadlamudi, during 16-17 August, 2019.



Conferences /Workshops Attended

- Dr. M. Venkateswara Rao, Professor & Dean-Exams, attended the 72nd Annual Session of Indian Institute of Chemical Engineers and Indian Chemical Engineering Congress, (CHEMCON 2019), during 15 - 19 December, 2019, organised by Northern Regional Centre, IChE and Department of Chemical Engineering, IIT, Delhi, in association with international partners. The Central Theme of CHEMCON 2019 is 'Advances in Chemical Engineering for Industrial Applications'.
- Dr. C. V. Subrahmanyam, Professor & Head, Ms. M. Sudheera, Assistant Professor, attended National Conference on 'Recent Trends in Chemical, Petroleum, Food, Textile and Allied Technologies for Sustainable Development – NCRTCPFT 2019', organized by Department of Chemical Engineering, VFSTR-Vadlamudi, during 16-17 August 2019.
- Dr. K. Ramesh Chandra, Dr. D. N. V. Satyanarayana, Dr. P. Rohinikumar, Dr. K. Sobha, Associate Professors, Ms. J. L. Jayanthi, Mr. K. Sivaprasada Rao and Ms. M. Sudheera, Asst. Profs, attended one week STTP on 'Advances in Process Design by using Simulators (APDS)' organized by Dept. of Chemical Engg., RVRJCCE, during 28 October - 2 November 2019.
- K. Siva Prasada Rao, Assistant Professor, attended AICTE sponsored one week 'Faculty Development Program for Student Induction (FDP-SI)', organized by Sri Venkateshwara College of Engineering, Bengaluru, during 23 - 29 July 2019.
- Dr. C. V. Subrahmanyam, Professor & Head, attended a one day workshop on 'R', organized by IIT Bombay under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNTT) MHRD, Government of India, on 9 November 2019.

- Ms. L. Jayanthi, Asst. Professor, attended a one week workshop on 'Lab Safety Management', organized by IITB Remote centre at RVRJCCE, during 27 October - 02 November 2019.

Online Courses Completed

- Dr. K. Sobha, Associate Professor, completed NPTEL online certification course on 'Drug Delivery – Principles and Engineering', organized by IITB, during July – October 2019, received 'Elite' certificate with 73% score.
- Dr. K. Sobha, Associate Professor, completed NPTEL online certification course on 'Introduction to Proteogenomics', organized by IITB, during July – October 2019. Received 'Elite + Topper' certificate with 73% score.
- Dr. C. V. Subrahmanyam, Professor & Head completed NPTEL online certification course on 'Mass Transfer Operations II', organized by IITB, during July – October 2019 and received 'Topper' certificate with 63% score.

Industrial Tour

- The II B.Tech students visited JOCIL Ltd., Dokiparru and Sri Dhanalakshmi Group of Industries, Ganapavaram, Chilakaluripet on 30 July & 21 Dec, 2019 respectively.
- III year B.Tech students visited M/s. KCP Cements Division, Macherla on 28 December 2019.

IChE Executive Body

- Dr. M. Venkateswara Rao, Professor & Dean-Exams, elected to the National Council, Indian Institute of Chemical Engineers (IChE) for the period 2020-2022 and also elected as Vice President of IChE in the 1st Council meeting held at IIT Delhi, on 18 December 2019.



Students at industrial tour, Dhanalakshmi group of companies



Department of **Civil Engineering**

Research Projects in Progress

- An AICTE SPDP Project, worth 14 Lakh was sanctioned to Professor Kota Srinivasu, Civil Engineering, which is in action, with three programmes, conducted between July - Sept, 2019. As a part of this Skill and Personality Development Programme for SC/ST students, a two day workshop on 'Career Guidance for Govt. and Private Jobs' was conducted during 19-20 July. The second event of this project was conducted on 9 September, inviting Mr. Addanki Sridhar, IAS, Secretary, Tobacco Board to address the students. Mr. Sridhar shared his success story, while highlighting the importance of career planning and priorities in life.

Guest Lectures Organized

- Dr. A. Madhan Kumar, Head of Engineering, Keller engineering services Pvt. Ltd., India, Chennai, delivered lecture on 'Case studies in geotechnical engineering practice' for third and final year students, on August 2, 2019. In his lecture, he enlightened students about various problems faced due to slope failures of subsoil and also discussed the innovative technologies for preventing the unexpected failures.
- Dr. P. Venkateswara Rao, Assoc. Professor, Department of Civil Engineering, NIT Warangal, delivered a lecture about the 'Integrated Solid Waste Management' for the third and final year students, on August 3, 2019. In his lecture, he explained various methods to control and manage the solid waste.
- Professor M. Amaranatha Reddy, Department of Civil Engineering, IIT Kharagpur, delivered a lecture on 'Flexible Pavements', on September 20, 2019. He enriched the knowledge of participants by adding the new design code (IRC:37) rules in several design principles.
- Dr. Harsha Vardhan Erra, CEO and Co-founder Peepal Renewable India Pvt. Ltd., delivered lecture on 'Organic Waste Management-Need of the hour (waste and energy)' on September 21, 2019.

Training Programmes Organized

- Professor M. Rama Rao, HoD, Civil Engineering, organised two day training programme on 'Geo-Studio for various geotechnical applications (GGA)' for the final year B. Tech, M. Tech, Ph.D scholars and Industrial personnel, during July 19-20, in association with Indian Geotechnical Society-Students' Chapter. Resource Persons Dr. B. Umashankar and Dr. B. Munwar Basha, Dept. of Civil Engineering, IIT Hyderabad, enlightened participants on Geo-Studio software like creating model and analysing



Professor M.Ramarao Inaugurating Lecture session on RTGS

various geotechnical problems. The resource persons in their lectures, reinforced on various aspects like soil structures, soil nailing/anchors, and probabilistic analysis.

- Three day training programme on 'ETABS was organised for the Faculty members and Design Engineers, during November 20-22, 2019 by Department of Civil Engineering, in association with APSSDC and this is organised by Dr. M.V.P Chandra Sekhara Rao and Syed Syeed Ahammed, Asst. Professor.

Guest Lectures Delivered by Faculty

- **Prof. M. Rama Rao delivered guest lectures on the following:**
- 'Applications of mind mapping in Geo-technical engineering' to third and final year B. Tech students of Sasi Institute of Technology and Engineering College, Tadepalligudem, West Godavari, July 11, 2019.
- 'Design and construction of summer storage tank (earthdam)' to engineers from government and private organizations, academicians, contractors, consultants, under graduate and post-graduate students of Civil Engineering, at Chalapathi Institute of Technology, Motadaka on August 31, 2019.
- 'Analysis, Design and construction of Reinforced Earth retaining walls' during one day Seminar at Malineni Perumallu Educational Society's Group of Institutions, Pulladigunta, Guntur, December 10, 2019.

Research Paper Publications

- J. Usha Kranti, Asst. Prof., Prof. K. Srinivasu, 'An experimental study on durability properties of normal grade concrete containing Copper slag as a fine aggregate', Journal of Advanced Research in Dynamical and Control Systems, Vol.11, No. 5,2019, pp. 327-334. (Scopus Indexed).



- N. Venkata Sairam Kumar, Asst. Prof., G. Sindu Krishna, M.V.R. Harish Babu, 'Utilization of Fly Ash in Concrete as Partial Replacement of Cement' International Journal of Innovative Research in Science, Engineering and Technology, Vol.8, No. 7, July 2019, pp. 8271-8279.
- N. V. Sairam Kumar, Asst. Prof., T. Sri Divya, K. Rama Rao 'Use of Fly Ash As Partial Replacement Of Cement In Concrete Subjected To Elevated Temperatures' International Journal of Innovative Research in Science, Engineering and Technology, Vol.8, No.7, July 2019, pp.7773-7779.
- N. V. Sairam Kumar, Asst. Prof., Prof. K. S. Sai Ram, 'Sustainable Use of Waste Crushed Rock Dust as Filler Material in Concrete: Performance at Elevated Temperatures', Ecology, Environment and Conservation, Vol. 25, No. 3, November 2019, pp. 1230-1238. (Scopus Indexed).
- N. Venkata Sairam Kumar, Asst. Prof., Prof. K. S. Sairam, 'Performance of Concrete at Elevated Temperatures made with Crushed Rock Dust as Filler Material in Concrete' Materials today: Proceedings, Vol.18, Issue 7, pp. 2270-2278, November 2019, (Elsevier; Scopus Indexed).
- K. Leela Krishna, Asst. Prof., Prof. N. V. Umamahesh, Prof. A. Srinivasa Prasad, 'Optimal Crop Water Allocation Coupled With Reservoir Operation by Genetic Algorithm and Non-Linear Programming (GA-NLP) Hybrid Approach', Journal of Physics: Conference Series. Vol. 1344, No. 1, November 1, 2019, pp. 01200.
- L. N. K. Sai. Madupu, Asst. Prof., Prof. K. S. Sai Ram, 'Strengthening of Axially Loaded Reinforced Concrete Rectangular Columns with GFRP Strips' Materials today: Proceedings, Vol.18, No. 7, November 26, 2019, pp. 3758-3765 (Elsevier; Scopus Indexed).
- K. Leela Krishna, Asst. Prof., Prof. N. V. Umamahesh, Prof. A. Srinivasa Prasad, 'Multi - Objective Reservoir Operating Strategies by Genetic Algorithm and Non-Linear Programming (GA-NLP) Hybrid Approach', Journal of The Institution of Engineers (India): Series A, December 21, 2019, pp.1-11.
- Professor A. Srinivasa Prasad, K. Leela Krishna, Asst. Prof., 'Optimal design of looped water supply network by GA-NLP hybrid approach', Journal of Physics: Conference Series, December 30, 2019, pp. 1-12. (Scopus Indexed).

Paper Presentations in Conferences

- K. Leela Krishna, Asst. Prof. presented a paper on 'Best compromised multi-purpose reservoir operating policy by Fuzzy Linear Programming' in the International conference Hydro-2019, organised by Osmania University, in association with Indian society for hydraulics, during 18-20 December 2019.

Conferences/ Workshops/ Attended

- Prof. A. Srinivasa Prasad, Asst. Prof. K. Leela Krishna, attended a seminar on 'Recent trends in geotechnical and structural engineering (RTGS -2019)', organized by Chalapathi Institute of Technology, Guntur, 31 Aug, 2019.
- Professor M. Rama Rao, attended an International symposium on 'Geotechnics of Heritage structures', organized by IIT Madras, Chennai in association with IGS, Chennai Chapter, September 16, 2019.
- Professor M. Rama Rao attended a Workshop on 'PLAXIS



*Dr.D.Ramaseshu, NIT,
Warangal, receiving memento*



*Er.P.R.Sastry, Chennai,
receiving memento*

software applications', organized by Department of Civil Engineering and IGS student chapter of the Velagapudi Ramakrishna Siddhartha Engg. College, Vijayawada, October 16-18, 2019.

- Prof. A. Srinivasa Prasad, Asst. Prof. K. Leela Krishna, Asst. Prof. M. Srikanth Kumar, attended a National Seminar on 'Hydraulics and Hydrology', organized by Andhra Loyola Institute of Engineering and Technology, October 21, 2019.
- U. Pallavi, Asst. Prof., attended an International conference on 'Advances in renowned and renewable technologies', organized by Velagapudi Ramakrishna Siddhartha Engineering College, 23-24 October 2019.
- Professor M. Rama Rao attended Indian Geotechnical Conference, organized by Department of Applied Mechanics and IGS-student chapter in Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, 19-21 Dec, 2019.
- J. Usha Kranti, M. L. N. Krishna Sai, R. Surendra Babu, N. Venkata Sairam Kumar, S. V. Satyanarayana, P. Srilakshmi, N. Tejaswini, D. Neeraja Varma, R. Vaishnava Kumar, B. Krishna Chaitanya, B. Kesava Rao, Assistant Professors, attended a Workshop on 'ETABS', organized by RVRJCCE, during November 20-22, 2019.

Ph.D Awarded Under Faculty Guidance

- Ms. J. Usha Kranti, Asst. Professor, RVR&JCCE, was awarded Ph.D from Acharya Nagarjuna University, for her thesis on 'Experimental Investigation on Strength of Concrete by the Replacement of Fine-Aggregate with Copper Slag', under the guidance of Prof. K. Srinivasu, Principal, RVR&JCCE, in December 2019.
- Mr. N. Venkata Sairam Kumar, Asst. Professor, RVR&JCCE, was awarded Ph.D from Acharya Nagarjuna University, for his thesis on 'Sustainable Use of Crushed Rock Dust as Filler Material in Concrete', under the guidance of Professor K.S. Sai Ram, in December 2019.

Ph.D Awarded

- Mr. B. Kesava Rao was awarded doctorate in July, 2019, for the thesis 'Cohesive Zone Model for Fracture Characterisation in Composites', from National Institute of Technology, Karnataka.

Ph.D Registration

- Ms. P. Srilakshmi, and Mr. R. Vaishnava Kumar, Asst. Professors, registered for Ph.D in Annamalai University.

Faculty Recruitment

- Dr. R. Chandramohan was recruited as Assoc. Professor in the Dept. in November 2019.



Department of **Electrical and Electronics Engineering**

Workshop Organized

- An AICTE sponsored one week STTP on 'Energy Management of Smart Grids and Micro grids with IOT', was organized during 29 July-3 August 2019 by the Department of EEE. 56 participants from various Engineering colleges attended the STTP. Two industrial visits were arranged as a part of the programme to Vidyut Soudha, Vijayawada and Efftronics Systems Private Ltd., Vijayawada. Resource persons from IITs, NITs and Industry, delivered lectures on topics like smart grids operation, IOT, Smart meters, integration of Electric vehicles, power quality issues in smart grids, security in micro grids. Dr. K. Swarna Sri, Professor in EEE was the Convener of the programme.

Guest Lectures Organized

- Dr. V. Kalyana Chakravarthy, Professor, School of Electrical Engineering and Computer Science, Kyungpook National University, Korea, gave lecture on 'Intelligent Handheld Surgical Robotics', to all the final and third year students on 16 July 2019.
- Dr. Muhammad H. Rashid, Professor of Electrical and Computer Engineering, University of West Florida, Pensacola, gave lecture on 'Power Electronics Challenges and Trends', to all the final and third year students on 5 Aug. 2019. This presentation covered the chronological development of power electronics, few applications of power electronics, the importance of power electronics, trends in power electronics and the challenges in power electronics. Advanced power electronic components development for space applications was also discussed.

Internal R&D Projects Sanctioned

- Title: 'Performance Enhancement of Doubly fed induction Generator for renewable Energy Source applications'. Principal Investigator: Professor G.SambaSiva Rao, Co-Investigator: Mr. Y. Sumanth, Asst. Professor, Funding amount: 70,000/-.
- Title: 'Design and Implementation of Least power Point Control in Single phase Solar Photovoltaic Systems'. Principal investigator: Mr. P. Sivakrishna, Asst. Professor, Funding amount: 40,000/-.
- Title: 'Common Mode Voltage Elimination Scheme for Inverter fed Five Phase AC Drives'. Principal investigator: Mr. Y. Suri Babu, Asst. Professor Funding amount: 30,000/-.
- Title: 'RVR&JC campus energy monitoring system using IOT'. Principal investigator: Mr. B. V. Vasantha Rao, Asst. Professor, Funding amount: 30,000/-.



Dr. V. Kalyana Chakravarthy being felicitated

Certificate of Appreciation

- Dr. G. V. Prasanna Anjaneyulu, Assoc. Professor was awarded 'Best Doctoral Thesis'. This was presented by India Independence Awards – 2019, at the International Centre, Goa, on 18 August 2019.

Guest Lectures Delivered

- Dr. K. Swarna Sri delivered 2 lectures on 'Entrepreneurship challenges and sustainable opportunities in Indian perspective', in an Entrepreneurship development programme, organized by Dept. of Mechanical Engg., on 14 Sept. & 11 Dec. Another session was taken on 'Electric Vehicles' in the AICTE sponsored two week FDP on 'Emerging Technologies and Challenges in Mechanical Engineering' on 24 October 2019.

Research Paper Publications

- Suri Babu .Y, Chandra Sekhar.K, 'V/F based Multi phase Induction Motor Drive for PV powered Boat applications', International Journal of Innovative Technology and Exploring Engineering, Vol. 8, ISSN:2591-2596, July 2019.
- Rama Koteswara Rao.A, Lekyasri N., Rajani K., 'PID Control Design for Second Order Systems', International Journal of Engineering and Manufacturing, Vol.9, No.4, pp.45-56, July 2019.
- Jaya Raju G, Sambasiva Rao Gudapati, 'A New Optimized ANN Algorithm Based Single Phase Grid Connected PV Wind System Using Single Switch High Gain DC-DC Converter', European Journal of Electrical Engineering, Vol. 21, No.4, pp.373-381, ISSN: 2103-3641, Aug 2019.
- Yadlapalli R.T., Kotapati A, Rajani. K, 'Performance Analysis of Quadratic Buck Converter for Electric Vehicle Battery Charging Applications', International Journal of Electric and Hybrid Vehicles, Vol. 11, No. 4, 2019, pp. 346-357, September 2019.



Mr. Dasari Ramakrishna, CEO, Efftronics, at the session



Professor Rashid and Professor K. Chandrasekhar, at the seminar



Participants at Vidyut Sowdha

- Yadlapalli R.T., Narasipuram R.P. and Dodda A, 'Development of Fuzzy Logic Controller for Improved Interline Unified Power Quality Conditioner', Int. J. Innovative Computing and Applications, Vol. 10, No. 2, 2019, pp. 86-99, September 2019.
- K. Radha Rani, N. Chaitanya, 'Voltage Stability Enhancement with Optimal Placement of IPFC', International Journal of Recent Technology and Engineering, Vol. 8, Issue. 4, ISSN: 2277-3878, pp.9465-9471, Nov, 2019.
- Pidikiti .T, Tulasi Ram Das G., 'Analysis and performance evaluation of DFIG and PMSG based wind energy systems', International Journal of Computing and Digital Systems, Vol.8, Issue 6, pp. 557-563, Nov, 2019.

Paper Presentation in Conferences

- Dr. G. V. Prasanna Anjaneyulu, Hothri Ravikindi, Sk. Johny Begam, P. Bramarambavathi, K. Chandrika, T. Venkatesh, 'Output Voltage & Current ripples comparative analysis in two bus system with boost converters fed UPQC and reduction studies' in International Conference on 'Innovations in Power, Energy and Intelligent Control Systems' organized by VFSTR, Vadlamudi, on 8 - 9 August, 2019.

Conferences / Workshops Attended

- Dr. Y. Ravindranath Tagore, Dr. G. V. Prasanna Anjaneyulu Assoc. Professors, participated in 'Internal training program for two days for ISO-9001:2015 Certification', at EEE Department, RVRJCCE, on 17 and 18 June 2019.
- Dr. G. V. Prasanna Anjaneyulu Assoc. Professor, attended two day National Level Seminar on 'Innovations, Challenges, Opportunities and Policy Frameworks of Renewable Energy System for the Future System for the Future India', organized by EEE Dept, Vishnu Institute of Technology, Bhimavaram, during 30-31 August 2019.
- Dr. Rama Koteswara Rao. A, Dr. G. V. Prasanna Anjaneyulu, Assoc. Professors, Mr. K. V. Gopalachary, Asst. Professor attended five day workshop on 'Energy Management of Smart Grids and Microgrids with IOT', organized by RVR&JCCE, during 29 July – 3 Aug, 2019.
- Dr. N. Chaitanya, Assoc. Professor, Ms. P. Tripura Asst. Professor attended one day workshop on Linux held at RVRJCCE on 23 August 2019.

- Dr. K. Radha Rani, Professor attended 'One day workshop on eSim, a course in the IoT Series for Teachers', organized by the Teaching Learning Centre ICT, IIT Bombay held at RVR&JCCE, on 21 Sept, 2019.
- Professor K. Radha Rani, Dr. N. Chaitanya, Assoc. Professor, Ms. P. Tripura, Asst. Professor attended workshop on LATEX, conducted by IIT Bombay during 24 Sept - 02 Dec, 2019.

Online Courses Completed

- Ms. P. Tripura Asst. Professor completed an 8 week online course, 'Fundamentals of Electric Drives', with consolidated score of 73%, organized by NPTEL, during July - Sept, 2019. Ms. P. Tripura had also completed 5 webinars on different topics conducted between Sep. and Oct 2019, organized by IEEE. The webinar topics were- 'Security and privacy in the v2g network', 'Managing technical career- HR Leader's perspective', 'Power Dense High Efficiency Engine Coolant Capable 200 kW Silicon Carbide Inverter for Heavy Duty Vehicles', 'Advanced Safety Architecture for Automotive Systems'. 'The Cascaded Resonant Converter: A Hybrid Switched-Capacitor Topology with High Power Density and Efficiency'.

Industrial Tour

- The III B.Tech students of EEE visited Dr. Narla Tata Rao Thermal Power Station (NTTPS), Vijayawada, during 29 - 31 July 2019.



Students at the Industrial trip



Department of **Electronics & Communication Engineering**

Faculty Development Programme Organised

A one week Faculty Development Programme was organised on 'Emerging Trends in Wireless Communications' at RVR&JCCE, conducted by E&ICT Academy, IIT Guwahati, during 25-29 November 2019. 44 faculty members participated in this FDP. Resource persons Mr. Rajvasan Srinivasan from Techvictus and Dr. M. Lakshmanan, Dean of Research in Galgotias College of Engineering and Technology, Greater Noida, delivered lectures on topics like LTE Architecture, Radio, Call setup Procedures, Advanced Carrier Aggregation, MIMO Basics, Drivers for 5G, 5G Architecture and Radio Protocol.



Mr. Rajvasan Srinivasan being felicitated

Research Paper Publications

- K. Upendra Chowdary and B. Prabhakara Rao, 'Performance Improvement in MIMO-OFDM Systems Based on Adaptive Whale Elephant Herd Optimization Algorithm', International Journal of Engineering and Advanced Technology (IJEAT), Scopus Indexed, Vol. 9, Issue 1, EISSN : 2249, DOI : 10.35940/IJEAT. A1916. 109119, October 2019.
- Lalitha Bhavani Konkyana and Dr. A. Sudhakar, 'Design and Analysis of Defected Ground Structure Based Circular Patch Ultra wideband Antenna for Frequency Applications', ARPN Journal Engineering and Applied Sciences, Vol.14, No-17, pp.2993-3000, Sept, 2019.
- Vara Prasad Kudumu and Dr. M. V. S. Prasad, 'Minimization of Mutual Coupling in Arrays using Cross Shape EBG', International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.8, Issue-11, pp.2599-2603, ISSN:2278-3075, Sept, 2019.
- Raja Sekhar Turaka and Dr. M. Satya Sai Ram, 'Low Power VLSI Implementation of Real Fast Fourier Transform with DRAM-VM-CLA', Journal of Microprocessors and Microsystems, Vol.69, Issue-9, pp.92-100, DOI:10. 1016/J. MICRO.2019.05.016, September 2019.
- Jagadeesh.D and Dr. A. Sudhakar, 'Dual Band Half Mode SIW Semi Circular Cavity Back Slot Antenna', Progress in Electromagnetic Research Letter, Vol.87, pp.7-14, ISSN:1937-6480, August 2019.
- Ali Baig Mohammad and Tummala Ranga Babu, 'A Robust Image Cryptography Scheme using Optimal Band Selection and Dynamic Key Embedding', International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, Issue-6, pp.2224-2229, ISSN:2249-8958, August 2019.

- Sk. Basheera and Dr. M. Satya Sai Ram, 'A Hybrid Enhanced ICA Approach for Segmentation of Brain MR Image', International Journal of Electronics, Electrical and Computational System, Vol. 6, Issue-7, pp.68-81, ISSN:2347-8527, July 2019
- Ch. Sudhamani and Dr. M. Satya Sai Ram, 'Cooperative Spectrum Sensing using Majority Fusion Rule in Cognitive Radio Networks', International Journal for Modern Trends in Science and Technology, Vol.3, Issue-7, pp.237-241, ISSN:2455-3778, July 2019.

Paper Presentations in Conferences

- Anjaneyulu Katuru, Dr. Sudhakar Alapati, presented a paper on 'On the Band Notched Characteristics of ultra Wideband Antenna', in the International Conference on 'Vision Towards Emerging Trends in Communication and Networking', and the same was published in the proceedings of IEEE Xplore, DOI:978-1_5386-9353-7/19@2019IEEE, Dec, 2019.
- Anjaneyulu Katuru, Dr. Sudhakar Alapati, presented a paper on 'Design and Analysis of A Compact Co-Planar Waveguide fed Ground Slotted Corner Truncated Ultra Wideband Patch Antenna', in the International Conference on 'Vision Towards Emerging Trends in Communication and Networking', and the same was published in the proceedings of IEEE Xplore, DOI:978-1-5386-9353-7/19@2019 IEEE, December 2019.
- Durga Prasad Kuchipudi and Tummala Ranga Babu, 'A Review on Segmentation of Plant Maladies and Pathological Parts from the Leaf Images in Agriculture Crop', in the IEEE Second International Conference on Intelligent Computing, Instrumentation and Control (ICICT-2019), pp.116-123, DOI:978-1-7281-0281-5, July 2019.



Conferences / Workshops Attended

- N. Renuka, P. P. S. Subhashini, U. Ramakrishna, P. Sailaja, P. Siva Prasad, A. Murali Krishna, S. Ramesh Babu, K. Upendra Chowdary, K. Sravanthi, K. Anil kumar, K. Ashok Kumar, N. Sudeer Kumar, M. Srinivas, K. Sudhakar, Ch. Jayaram, M. Himaja, P. Bala Prasanthi attended an FDP on 'Emerging Trends in Wireless Communications', at RVRJCCE, conducted by IIT Guwahati, during 25-29, November 2019.
- P.V. Krishna Kanth, attended an FDP on 'Mixed signal Design', at VVIT, Namburu, during 4-15, Nov, 2019.
- P. Siva Prasad, B.Lokeshwar, attended an FDP on 'Bio Medical Processing and Application', at Sir C.R.Reddy College of Engineering, Eluru, during 1-14, Nov, 2019.
- A. Murali Krishna, T. Suneetha, B. Lokeshwar, attended an FDP on 'AICTE sponsored QIP short term Course on 'Recent trends in Microwave / Millimeter Wave Technology and Their Applications in Wireless Communication and Defense Perspective', at IIT (BHU) Varanasi during 14-19, October 2019
- Dr. G. Sudhavani, attended a workshop on 'Esim, first course in the IoT series, for teachers, conducted by Teaching Learning Center ICT, IIT, Bombay at RVR&JCCE, on 21st September 2019.
- Dr. T. Ranga Babu, Dr. G. Sudhavani, attended an FDP on 'Multi-Core Architectures and Programming', conducted by the Department of CSE, at RVR&JCCE during 26-31, August 2019.
- A.Murali Krishna, attended an FDP on 'ARC 2.0' Faculty Development Workshop, at VIT, Amaravathi. during 5-8, July 2019.

Industrial Visits

- The students of III B.Tech ECE (B&C sections) visited 'Efftronics', Vijayawada on 23rd November and 30th November respectively, as a part of their Industrial visits.

Internal R&D Projects Sanctioned

- Dr. M. Satya Sai Ram, Assoc. Prof., was sanctioned Rs.45,000/- for the Research proposal on 'Hybrid Parameters For Compression of Speech Signals'.
- K. Sravanthi, Asst., Prof., and Dr. T. Ranga Babu, Prof., were sanctioned Rs.30,000/- for the Research proposal

on 'Denoising of Audio Signals Using CNN with Skip Connections'.

- S.Ramesh Babu, Asst., Prof., and Dr. J. Ravindranadh, Assoc. Prof., were sanctioned Rs. 30,000/- for the Research proposal on 'Synthesis of Shaped Beam Patterns using Array Antennas'.
- K. Ashok Kumar, Asst., Prof., and Dr. G. Sudhavani, Prof., were sanctioned Rs. 30,000/- for the Research proposal on 'Diagnosis of Diabetic Retinopathy Using 1D-convolutional Neural Networks'.
- N. Sudheer Kumar, Asst., Prof., and Ch. Jayaram, Asst., Prof., were sanctioned Rs.55,000/- for the Research proposal on 'Design and Implementation of Autonomous Robot Systems Integrated with UAV for Precision Agriculture'.
- B. Lokeshwar, Asst., Prof., was sanctioned Rs. 45,000/- for the Research proposal on 'Design, Simulation and Analysis of Broad band Substrate Integrated Waveguide Cavity Backed Slot Antenna for Polarization diversity application'.
- D. Jagadeesh, Asst., Prof., was sanctioned Rs.45,000/- for the Research proposal on 'Design and Analysis of Dual-band, Miniaturized Substrate Integrated Waveguide Antennas'.

Research Guidance by the Faculty

- Under the guidance of Prof., Dr. T. Ranga Babu, one Ph.D degree was awarded to Mr. B. Srinivas Raja, on November 2nd, 2019 by Acharya Nagarjuna University. The title of the thesis was 'An Optimized Feature Selection Based Ensemble Classification Learning Models for Prediction on High Dimensional COPD Data'.
- Under the guidance of Prof., Dr. M. V. S. Prasad, one Ph.D degree was awarded to Ms. Bantupalli Premalatha, on August 1st, 2019 by Acharya Nagarjuna University. The title of the thesis was 'Performance Evaluation of Several Band Notched UWB Patch Monopoles'.

Faculty Recruitment

- Dr. P. Suresh Kumar joined as Assoc., Professor in the department on 22nd, November 2019.
- Dr. D. Eswara Chaitanya joined as Assoc., Professor in the department on 22nd, November 2019.





Department of Information Technology

Invited Talks by Faculty

- Dr. A. Srikrishna, Professor and Dr. M. Pompapathi, Associate Professor acted as Resource Persons at an AICTE sponsored two week FDP on 'Digital Image Processing for Medical Images' conducted by SRKR Engineering College, Bhimavaram, on 6th August, 2019. In this FDP, Dr. A. Srikrishna and Dr. M. Pompapathi handled sessions on 'Morphological Image Processing', 'Shape Representation techniques using Mathematical Morphology', 'Fundamental Concepts in Image Processing' and a Hands on session using MATLAB'.



Dr. A. Srikrishna at the session

Internal R&D Project Sanctioned

- Dr. M. Ramesh, Associate Professor was sanctioned Rs. 40,000 for a research project on 'An Automated Learning Code Summarization Using Anatomy and Auto Folding Frameworks'.

Technical Contests

- The department conducted an 'Intra Departmental Coding Contest (IDCC)' for all the B.Tech students of IT, on 8 August, 2019 and 30 December, 2019 respectively. Cash prizes worth Rs.1,000/- for winner and Rs.750/- for runner were awarded.
- InformaTrix - the IT student initiated technical club, organized a programming contest 'Code A Thon-2019' during 23 - 24 December 2019. The contest was open for all the branches of engineering. Nearly 700 Students participated in prelims, out of these 28 teams were shortlisted for mains. Cash prizes worth Rs.2,000 for winner and Rs.1,000 for runner were awarded.

Awards

- Dr. M. Ramesh, Associate Professor, participated in the further education programme 'IGIP International Engineering Educator', and received award 'ING.PRED. IGIP' from Dr. Hanno Hortsch, President, IGIP, organized by ICTIEE 2020, on 12 December 2019.
- Dr. M. Ramesh, Assoc. Prof., received the best paper award on 'Hybrid Access Control Mechanism for Secure Cloud Communication', International Conference on Innovation Computing and Management Science, organized by ICMS, Osaka, Japan, during 19-22 July 2019.

Research Paper Publications

- G. Swetha, Dr. K. Janaki, 'A Survey: Data Security in Cloud Using Cryptography and Stegnography', Journal of Applied Science and Computations (JASC), ISSN: 1076-5131, VolumeVI, IssueVI, pp.3565-3570, July 2019.

- A. V. Kavitha, Dr. A. Srikrishna, Dr. Ch. Satyanarayana, 'Unsupervised Linear Contact Distribution Segmentation Algorithm for Land Cover High Resolution Panchromatic Images', Multimedia Tools and Applications (SCI & Scopus), Issue3, Vol. 67, ISSN: 1380-7501, DOI:10.1007/s11042-018-6693-y, September 2018.
- Y. Madhulika, Dr. A. Srikrishna, K. Gangadhara Rao, 'Frequent item set-based Feature Selection and Rider Moth Search Algorithm for Document Clustering', Journal of King Saud University-Computer and Information Sciences (SCOPUS Indexed), ISSN:1319-1578, September 2019.
- A.V. Kavitha, Dr. A. Srikrishna, Dr. Ch. Satyanarayana, 'Classification of Land Cover from Remote Sensing Images using Morphological Linear Contact Distributions and Rough Sets', International Journal of Recent Technology and Engineering (SCOPUS Indexed), ISSN:2277-3878, Volume-8, Issue-3, September 2019.
- M. Dhrairaj, B. H. Krishna Mohan, 'A Review of Two Decades of Deep Learning Hybrids for Financial Time Series Prediction', International Journal on Emerging Technologies (SCOPUS Indexed), ISSN: 0975-8364, Volume-10, Issue-3, pp.324-331, September 2019.
- Ch. Anuradha, Dr. M.Ramesh, 'Detection of Outliers in High Dimensional Data with Lasso Regression', International Journal of Engineering and Advanced Technology (SCOPUS Indexed), ISSN: 2249-8958, Volume-9, Issue-1, pp.7342-7346, October 2019.

Paper Presentations in Conferences

- Dr. A. Srikrishna, Professor, presented a paper on 'An Optimal Image Dehazing Technique using Dark Channel Prior', 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT-2019), organized by Vimal Jyothi Engineering College, Kannur (Dt.), Kerala, India during 5-6 July, 2019.



*Dr. M. Pompapathi
at the session*



*Dr. Prudvi Raju
at the session*

- Mr. B. Venkateswarlu, Associate Professor, presented a paper on 'An Optimal Image Dehazing Technique Using Dark Channel Prior', 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies, organized by Vimal Jyothi Engineering College, Kannur(Dt.), Kerala, during 5-6 July 2019.

Conferences / Workshops Attended

- Mr. V. Venkata Srinivasu, Assistant Professor, attended a five day FDP on 'Data Science and Big-Data Analytics', organized by Bapatla Engineering College, in association with E&ICT Academy and NIT Warangal, during 15 – 19 July 2019.
- Dr. B. Hemanth Kumar, Associate Professor and Mr. K. Subramanyam, Assistant Professor, attended a workshop on 'Linux', organized by RVR&JCCE, in association with IIT-Bombay, on 23 August 2019.
- Ms. Y. Madhulika Assistant Professor, attended a five day FDP on 'Java Programming' organized by KITS, during 26-30 August 2019.
- Dr. B. Hemanth Kumar, Dr. M. Pompapathi, Associate Professors and Dr. V. Sessa Srinivas, Assistant Professor, attended AICTE sponsored FDP on 'Multi-core Architecture and Programming', conducted by Department of CSE, RVRJCCE, during 26-31 Aug, 2019.
- Mr. K. Subramanyam Assistant, Professor, attended two day IQAC enabled National Workshop on 'Role of Teachers in Student Support System (RTSSS19)' conducted by the department of CSE, FEAT, Annamalai University, Chidambaram, Tamilnadu, during 15-16 Nov, 2019.
- Dr. B. Hemanth Kumar, Associate Professor and Mr. K. Subramanyam, Assistant Professor, attended 'one

day workshop on R', conducted by RVR&JCCE, in association with IIT-Bombay, on 9 November 2019.

- Dr. A. Srikrishna, Dr. N. Naga Malleswara Rao, Dr. G. Rama Mohan Babu, Professors, Dr. M. Pompapathi Associate Professor, Dr. V. Sessa Srinivas Mr. M. Siddardha Kumar, Smt. Y. Madhulika, Asst. Professors, attended a three day Professional Development Training Programme on 'NI myRIO based IOT', conducted by the department of IT, RVRJCCE, in association with National Instruments, Bangalore, during 11-13 December, 2019.

Online Courses Completed

- Mr. M. Siddardha Kumar, Assistant Professor, completed online course on 'Deep Learning', conducted by Coursera, 16 November 2019.
- Mr. K. Gowrisankar, Assistant Professor, completed NPTEL course and received certificate in 'The Joy of Computing Using Python', in October 2019.
- Ms. Y. Madhulika, Asst. Professor, completed NPTEL course and received certificate in 'Programming in JAVA', in October 2019.
- Dr. M. Ramesh, Associate Professor, completed IITB course and received certificate with A+ grade in 'LaTeX101x: LaTeX for Students, Engineers and Scientists', conducted by IIT Bombay, during September - December 2019.

CSI Student Chapter Activity

- Conducted a one day workshop on 'Internet of Things' for the CSI Chapter students on 17 July 2019. Resource person Mr. K. Prudvi Raju, Assistant Professor, Dept. of IT, PVP Siddhartha Inst. of Technology, Vijayawada, delivered lectures on IoT and gave hands on sessions to the participants.

Ph.D. Registration

- Mr. V. Venkata Srinivasu, Assistant Professor, registered Ph.D. in Annamalai University, Chidambaram, Tamilnadu in October 2019.

Ph.D Awarded Under Faculty Guidance

- Under the guidance of Professor M. Naga Malleswara Rao, RVR&JCCE, Ph.D degree was awarded to Ms. B. Prasanthi, CSE, RVR&JCCE by ANU in Nov, 2019. The title of the thesis was 'Analysis and comparative study of Machine Learning Techniques to handle Brain Image Segmentation on Medical Images'.



Students receiving prizes (IDCC-Dec 2019)



Students receiving prizes (IDCC-Aug 2019)



Students receiving prizes (InformaTrix)



Departments of **Mathematics & Humanities, Chemistry, Physics**

Guest Lectures Delivered by Faculty

- Dr. K. S. Balamurugan, Associate Professor, delivered an invited talk on 'Entropy Generation on MHD Forced and Free Convection Flow in a Vertical Porous Channel with Navier Slip' in the International Symposium on 'Recent Trends in Mathematical Sciences' held at VIT, Vellore, during 15-16 July 2019.
- Dr. D. Rajani, Assistant Professor, delivered a guest lecture on 'Need for Effective Communication Skills', at KVR, KVR & MKR College, Khajipalem, on 13 Sept, 2019.
- Dr. K. Sujatha, Assistant Professor, gave a talk on 'Entrepreneur Motivation & Life Skills' to III year students in a three-day Entrepreneurship Awareness Camp, organized by Entrepreneurship and Management Development Cell-EMDC, RVRJCCE on 12 Sept, 2019.

Research Paper Publications

- Dr. K. S. Balamurugan, 'Effects of Radiation and Radiation Absorption on Unsteady MHD Flow Past a Vertical Porous Flat Plate in a Rotating System with Chemical Reaction in a Nano fluid', International Journal of Advanced Trends in Computer Applications, Special Issue 1 (1), pp. 147-152, ISSN: 2395-3519, July - 2019.
- Dr. K. S. Balamurugan, 'Hall and Ion-Slip Effects on MHD Free Convection Flow through an Oscillatory Porous Medium With Constant Suction Velocity And Radiation, International Journal of Advanced Trends in Computer Applications', Special Issue 1 (1), pp. 159-166, ISSN: 2395-3519, July - 2019.
- Dr. K. S. Balamurugan, 'Chemical Reaction Effect on Magnetite Nano Fluid through Permeable Surface', International Journal of Innovative Technology and Exploring Engineering, Vol.8 Issue-11, ISSN: 2278-3075, DOI: 10.35940/ijitee.K1513.0981119. Sept. 2019.
- Dr. K. S. Balamurugan, 'Perturbation analysis of Rivlin-Ericksen fluid on heat transfer in the presence of heat absorption', Asian Journal of Engineering and Applied Technology, 8(3), 14-20, ISSN: 2249-068X, Oct. 2019.
- Dr. K.S. Balamurugan, 'Chemical Reaction Influence on General Fluid', International Journal of Innovative Technology and Exploring Engg, ISSN: 2278-3075, Vol.9 Issue-2, DOI:10.35940/ijitee. B6905.129219, Dec, 2019.
- Dr. D. Rajani, 'Jhumpa Lahari's The Namesake: An Exploration of Diasporic Predicament', Feminine Voices in Indian English Fiction, Shan lax Publications, pp. 139-151, ISBN:978-93-89146-33-2, First Edition, 2019.
- Dr. P. Anantha Lakshmi, 'Diasporic Cognizance in The Works of Rohinton Mistry in a UGC CARE Journal

and Peer-Reviewed open Access Journal titled THINK INDIA, pp.1455-1459, Vol.22, Issue3, ISSN: 0971-1260. Indexed with Cross ref. and DOI <https://doi.org/10.26643/think-india>, July-Sept, 2019.

- Ms. S. Monika, M. Ragavendar, 'Mythical Element and the Depiction of Women with Exceptional Reference to Sita in Amish's' Sita: Warrior of Mithila and Chitra Banerjees' The Forest of Enchantments', LangLit : an International Peer-Reviewed open Access Journal, Vol.6 Issue 1. pp.35-40, August 2019.
- Ms. S. Monika, 'Techno-Dystopian Society and Dimensions of Adolescent Resilience : A Study of Suzanne Collins' The Hunger Games', THINK INDIA Quarterly Journal - UGC Care Approved International Indexed and Referred Journal., Vol.22, Special Issue7, pp.284-289, Oct, 2019.

Paper Presentations in Conferences

- Dr. K. Sujatha presented a paper on 'Outcome Based Education in Teaching English for Specific Purpose: Issues and Challenges', in a two-day National Conference on Innovations in Teaching ESL and Literature: The Present and the Future' organized by the Dept. of Humanities and Social Sciences, NIT Warangal, on 30 Sept.-1 Oct, 2019.
- Ms. S. Monika presented a paper on 'Techno - Dystopian Society and Dimensions of Adolescent Resilience: A Study of Suzanne Collin's The Hunger Games' in a two-day National Seminar on Artificial Intelligence, Multimedia in Teaching, Learning and Acquisition, organized by the dept. of English, Sri S. Ramasamy Naidu Memorial College, Tamilnadu, during 23-24 Sep. 2019.
- Dr. P. Anantha Lakshmi presented a paper on 'Green Energy - Utilization and Barriers of Solar and Hydro Power Technologies' in an AICTE sponsored International Conference on Advances in Renowned Renewable Energy Technologies at VR Siddhartha Engineering College, Vijayawada during 23 - 24 Oct, 2019.
- Dr. P. Anantha Lakshmi presented a paper on 'Decolonization and its Impact on English Language in India' in a one-day National Conference on Emerging Trends in English Language Teaching and Literature organized by Dept. of English, IIIT R. K. Valley, YSR Kadapa, on 14 Sept, 2019.

Conferences / Workshops Attended

- Dr. B. Srinivasa Rao, Dr. A. V. Ramakrishna, Mr. K. J. L. Narayana, Assoc. Profs., Dr. K. Sujatha, Asst. Prof., attended an FDP, conducted by the TCS at Kolkata and Hyderabad, in connection with the new course - CSBS that is being offered by RVR&JCCE from academic year 2019, during 15-17 and 9-10 Dec, 2019 respectively.



- Dr. K. Sujatha, Ms. G. Kalpana Devi, Asst. Profs., attended a one-day seminar on 'Academic Excellence-Creating Climate through Communication' organized by IBS, ICAI on 02 August 2019.
- Dr. P. Anantha Lakshmi, Ms. S. Monika, Asst. Profs., attended an STTP through ICT mode on 'Laboratory Safety Management' sponsored by IIT Bombay at RVR JCCE, during 23-27 Sept, 2019.
- Dr. P. Anantha Lakshmi, Asst. Prof., participated in an AICTE sponsored 'QIP Short-Term-Course on Appreciating Linguistics: an Interdisciplinary Approach' organized by Dept. of H&Sc, IIT Madras, during 7-12 Oct, 2019.

NPTEL Courses Completed

- Dr. A. V. Ramakrishna, Assoc. Prof., completed and received Topper & Silver certificate in 'Teaching and Learning in General Programs: TALG, conducted by NPTEL, IISc Bangalore, during July-Aug, 2019.
- Dr. A. V. Ramakrishna, Assoc. Prof., completed and received a Silver certificate in 'A Short Lecture Series on Contour Integration in the Complex Plane', conducted by NPTEL, IISc Bangalore, during July-Aug 2019.
- Dr. A. V. Ramakrishna, Assoc. Prof., completed and received a Silver certificate in 'Introduction to abstract and Linear Algebra', conducted by NPTEL, IIT Kharagpur, during Aug-Oct 2019.
- Dr. D. Rajani, Asst. Prof., completed and received an Elite & Silver certificate on 'Developing Soft Skills and Personality', conducted by NPTEL, IIT Kanpur, during Aug- Oct. 2019.
- Dr. P. Anantha Lakshmi, Asst. Prof., completed and received an Elite & Silver certificate on 'Developing Soft Skills and Personality', conducted by NPTEL, IIT Kanpur, during Aug- Oct. 2019.
- Ms. S. Monika, Asst. Prof., completed and received Topper & Silver certificate on 'Developing Soft Skills and Personality' conducted by NPTEL, IIT Kanpur, during Aug- Oct. 2019.

DEPARTMENT OF PHYSICS

Conferences/ Workshops Attended

- Dr. J. V. Satyanarayana, Assoc. Prof., attended an FDP on 'Computer Science & Business Systems' conducted by TCS, Kolkata, during 15-17 July 2019.

Paper Presentations in Conferences

- Dr. D. Madhavi, presented a paper on 'Design of Micro Patch Antenna for MIMO Applications in Photonics & Electromagnetic Research Symposium PIERS-2019, China, 17 Dec, 2019.
- Dr. D. Madhavi, presented a paper on 'Band Width Improvement of Rectangular Patch Antenna Using Multiple Slots in Photonics & Electromagnetic Research Symposium PIERS-2019, China, 17 Dec, 2019.

DEPARTMENT OF CHEMISTRY

Guest Lecture Organized

- Mr. H. Venkateswara Rao, Asst. Prof., Anurag Engineering College, Telengana, delivered a lecture to First B.Tech students of ECE, EEE and ME on 'Environmental Science' on 18 Oct, 2019.

Conferences/ Workshops Attended

- Dr. P. Venkateswara Rao, Asst. Prof., participated in the AICTE sponsored seven day FDP on 'Student Induction' at Sri Venkateswara College of Engg, Bangalore, during 23 - 29 July 2019.
- Dr. L. Ramadevi, Dr. K. Rambabu, Assoc. Profs., Dr. Ch. Ramakrishna, Dr. M. Murali and Dr. K. Kalyani Asst. Profs., attended an STTP through ICT mode on 'NBA accreditation' at RVR&JCCE, during 17-25 July 2019.
- Dr. K. Rambabu, Assoc. Prof., Dr. Ch. Ramakrishna, Dr. P. Venkateswara Rao, Dr. N. Srinivasa Rao, Asst. Profs., attended an STTP on 'Fundamentals of Laboratory Safety Management', organised by NITTTR, Kolkata at RVRJCCE, during 23-27 September 2019.
- Dr. M. Murali and Dr. K. Kalyani, Asst. Profs., attended a two-day workshop on 'Fundamentals of Instrumental Analysis-Theory & Practical Training Programme on NMR & HPLC', conducted by Dept. of Chemistry, JKC College, Guntur, on 26-27 September 2019.
- Dr. K. Rambabu, Assoc. Prof., and Dr. N. Srinivasa Rao, Asst. Prof., attended a one week AICTE sponsored STTP on 'Advances in Process and Design by Using Simulators' organised by Dept. of Chemical Engineering, RVR&JCCE, during 28 Oct. 02 November 2019.
- Dr. M. Murali, Dr. K. Kalyani and Dr. P. Venkateswara Rao Asst. Profs., attended a one-day International Seminar on 'Emerging Trends in Chemistry & its Allied Sciences' at Bapatla College of Arts & Sciences, Bapatla, on 23 Dec, 2019.
- Dr. L. Rama Devi, Assoc. Prof., and Dr. K. Kalyani, Asst. Prof., attended UGC sponsored one-day National Symposium on 'Innovative Advances and Impact of the Chemical Elements for Sustainable Development' organised by Dept. of Chemistry, JKC College, Guntur. Dec, 2019.

Research Paper Publications

- Dr. K. Ram Babu, 'Advancement & Validation of an Innovative Stability Indicating RP-HPLC Assay Method of Rivaroxaban in Tablet Formulation, JOAC, Vol. 8 Issue 4, pp. 1870-1879, 2019.
- Dr. K. Ram Babu, 'Simple, Specific, Validated RP-HPLC Assay Method for Furosemide and Spironolactone in Generic Fixed Dose Combination in the Rasayan' Journal of Chemistry, Vol.12 Issue 4, 2019.
- Dr. K. Ram Babu, 'Validated RP-HPLC Method for the Simultaneous Determination of Tazobactam and Cefepime in Injectable Generic Combination Formulation, JOAC, Vol. 8 Issue 3, pp. 1439-1446, 2019.
- Dr. K. Ram Babu, 'Assay of Flevofloxacin and Ornidazole in Combined Dosage Generic Form of RP-HPLC' JOAC, Vol. 8 Issue 4, pp. 1754-1762, 2019.



Department of **Computer Applications**

Guest Lectures Organized

- Mr. Avinash Siliveru, Asst. Manager, Vodaphone India Services, Pune, was invited to deliver guest lecture on 'Trends and Opportunities in Communication Services for Computer Science Students' on 27 December 2019, for II MCA students. He explained about the opportunities at various levels in communication service sector like Voda, Reliance, and Airtel.
- Mr. Venkat Ikkurthy, Data Scientist, SAS Trainer and Consultant, USA, was invited to deliver guest lecture on 'Career Guidance after Graduation' for first and third MCA students, on 22 October 2019. He advised students to complete certification courses in SAS-Salesforce, Block chain technology for better opportunities.
- Mr. M. Bharath, Programmer, DXC Technology, Hyderabad, Alumni of MCA was invited to deliver guest lecture on 'Interview Etiquette' and Mr. R. Pavan Kumar Tech Lead, Infosys, Hyderabad, was invited to deliver guest lecture on 'Interviews' for third MCA students, during 20-21 July 2019.
- Mr. M. Sahitya Chandra, Saahi Automation Solutions Pvt Ltd, was invited to deliver guest lecture on 'IoT Applications & Career Guidance' on 10 July, 2019 for third MCA students. He discussed on the current scenario of IoT, in real world and also provided guidelines to complete a software project.

Alumni Initiatives

- The alumni of MCA took initiative to give a real life experience of interviews by conducting Mock Interviews to the students of III MCA through Skype, during 27-28 July, 2019, R. Pavan Kumar, Malleswara Rao, Arun, Mustafa, Sudheer P, Srinivas P, Srinivas T, Naga Ramu, M. Bharat, Bapaiah, M. Anu Radha, Poornima, V.Vinod, Prabhakar, Brahmam, Siva Rama Krishna were the alumni who took this initiative.



Technical Contest-Web Mantra2



Technical Contest-Web Mantra

Internal R&D Projects Sanctioned

- Dr. Ch. Suneetha received research grant Rs. 30000/- for her internal research project proposal, titled, 'Advanced Learning and Decision making system for Analysis of Breast tissues'.
- Ms. Hymavathi. T, received research grant Rs. 30000/- for her internal research project titled 'Novel algorithms for microarray gene clustering in association with breast cancer'.

Technical Contest

- SWAA-The student technical club conducted a technical contest 'Webmantra', during 27 – 30 September 2019. The contest was open for all the branches of engineering. Nearly 122 teams participated in prelims, 22 batches were shortlisted for mains. Cash prizes worth Rs. 2,000/- for winners and 1,000/- for runners were awarded.

Research Paper Publications

- Pradeep Venuthurumilli, Sridhar Mandapati, 'Hybrid Invasive Weed Optimization with greedy Algorithm for an Energy and Deadline Aware Scheduling in Cloud Computing', International Journal of Innovative Technology and Exploring Engineering (IJITEE), pp.1354-1359, Vol.8, Issue 12 Oct, 2019.
- Chittineni Suneetha, 'Distributed Framework for Processing High-Resolution Remote Sensing Images', International Journal of Engineering and Advanced Technology (IJEAT), pp.4287-4292, Volume-9 Issue-1, Oct, 2019.
- T. Naga Raju, Chittineni Suneetha, 'Feature Extraction and Content Based Image Retrieval for High Resolution Remote Sensing Images', International Journal of Recent Technology and Engineering (IJRTE), pp.8881-8884, Vol.8, Issue 3, Sep 2019.



Mr.Venkat Ikkurthy, Data Scientist, SAS Trainer and Consultant, USA, was invited to deliver guest lecture on 'Career Guidance after Graduation'



Mr.M.Sahitya Chandra, Saahi Automation Solutions Pvt Ltd, was invited to deliver guest lecture on 'IoT Applications & Career Guidance'

- Ch. Nagamani, Dr. Suneetha Chittineni, 'Intrusion Detection Methods for Secure Data Communication Using Efficient Crossover Design Technique', Journal of Advanced Research in Dynamical & Control Systems, pp.62-70, Vol.11, Issue 9, August 2019.
- Pradeep Venuthurumilli, Dr. Sridhar Mandapati, 'An Energy and Deadline Aware Scheduling Using Invasive Weed Optimization Algorithm for Cloud Computing', Journal of Advanced Research in Dynamical & Control Systems, pp.673-682, Vol. 11, 06-Special Issue, 2019.

Conferences/ Workshops Attended

- K. Karteeka Pavan, Professor, Ms. T. Hymavathi, Assistant Professor, attended a one day 6th International Conference on 'Advanced Logical Learning and Analytical Mining in Cognitive Science', conducted by Institute of Bioinformatics and Computational Biology (IBCB), Andhra University, Visakhapatnam on 28 Dec, 2019
- K. Karteeka Pavan, Professor, Associate Professors, Dr. Ch. Suneetha and Dr. M. Sridhar, attended a one week FDP on 'Deep Learning and Applications', conducted by E&ICT Academy, Vignan University, during 9-13 Dec, 2019.

- Dr. Sridhar Mandapati, Assoc. Professor, participated in one day Coordinators Workshop on 'R' conducted by RVRJCCE, IIT Bombay, on 12 October 2019.

NPTEL Course Completed

- Dr. Ch. Suneetha, Assoc. Prof. received certification, on completion of NPTEL online course on Deep Learning-Part 1' conducted by the NPTEL, during July-Oct, 2019.
- Dr. Ch. Suneetha, Assoc. Prof, received certification on completion of NPTEL online course on 'Programming in Java', conducted by the NPTEL, during July-Oct, 2019.

PhD Awarded Under Faculty Guidance

- K. Sridevi, Research Scholar, was awarded Ph.D for her thesis on 'Secure and QoS Routing Enhancement through Node Trust Computation Measures in Manets' from ANU, under the guidance of Dr. M. Sridhar, Assoc. Professor, RVRJCCE.
- S. Ranga Swamy, Research Scholar was awarded Ph.D for his thesis on 'A Greedy Stochastic Diffusion Search Based Fuzzy with Energy & Security Aware Scheduling in Cloud' from ANU, under the guidance of Dr. M. Sridhar, Assoc.Professor, RVRJCCE.





Department of **Management Sciences**

NAREDCO AP Property Show - 2019

As a part of the Industry – Institute interface, all the students of MBA took active part in the three day National Real Estate Developers Council, NAREDCO AP Property Show-2019 which was organised by the NAREDCO Andhra Pradesh, in association with the Department of Management Sciences, during 20–22 Dec, 2019, at C. K. Convention Hall, Mangalagiri. The students of Management took active part, anchoring and volunteering the show. The guests distributed certificates of participation to the students and a memento to the college. The Dept. of Management Sciences received accolades from everyone for their untiring efforts in making the programme a grand success.

Guest Lectures Organized

- Mr. Keerthi Varman.U, Assistant Manager, HR, Pure Chemical Company Private Limited, Chennai, delivered a lecture to all the first and final year students on 'Career Opportunities for Management Graduates in Marketing', on 12 September 2019. In his lecture, Mr. Varman spoke about the relevance of marketing in chemical industry. He explained how product marketing is different from services marketing. He explained the concept of Business 2 Business marketing.
- Mr. M. Venkateswarlu, Assistant Superintendent of Police (Retd), delivered lecture to all the first and final year students on, 'Self Assessment and Personality Development for Management Graduates', on 24 September, 2019. In his lecture, he explained to the students by quoting from his professional experience in Police department, in various positions such as Inspector of Police, Dy. Supdt. Police.
- Mr. Venkat Ikkurthy, Founder CEO, Configer Technologies, New Jersey, USA, delivered lecture to all the first and final year students on, 'Managerial Effectiveness using



Mr. M. Venkateswarlu being felicitated

Business Intelligence/Analytics', on 17 October 2019. In his lecture, he quoted that nearly one lakh positions are vacant in data analytics and related areas, as of 2019. He spoke about the career opportunities for the students who pursue data sciences and data analytics as a profession in India and abroad.

Research Paper Publications

- Prof. B. K. Surya Prakasha Rao, 'Factors influencing Executive Employee performance towards performance appraisal system – A study of selected units of Indian Steel Sector', International Journal of Research and Analytical Reviews, Vol.6, Issue 2, April - June 2019.
- Dr. Sk. Mabunni, 'Readiness for Organizational Change of Banking Sector – A Comparative study of public sector and private sector banks', GITAM Journal of Management, Vol.17, No.2, PP.75-84, April - June 2019, ISSN 0972-740X.
- Dr. T. Sreekrishna, 'Micro Finance in economic empowerment in India, Employee empowerment: its main principle significance in an organization' and 'Micro

**If your actions inspire
others to dream more,
Learn more, do more
and become more,
you are a Leader.**

—John Quincy Adams





Finance for SHG in massive bank linkage program in India', Perspective in social science humanities, art and philosophy, Vol.1, PP.121-136, PP.137-143, PP.144-150, October 2019, ISBN 978-93-87769-65-6.

- Dr. T. Sreekrishna, 'Customer Relationship Management: a changing dimensions of financial service market', 'Micro Finance a powerful tool of low cost credit market in India', 'Financial Institutions: A promotional and development activities in India' and, 'FDI- A Contemporary note of retail modernization in India', Perspective in social science humanities, art and philosophy, PP.11-20, PP.32-45, PP.55-60, PP.70-79, Vol.2, October 2019, ISBN 978-93-87769-71-7.

Best Paper Award by AGBA

- A Paper presented by Prof. B. K. Surya Prakasha Rao, Head, on Financial Performance of Standard Chartered Bank and Kotak Mahindra Bank through CAMEL Model – A Comparative study, was awarded the Best Paper at a three day Academy for Global Business Advancement (AGBA) 16th World Conference, at IIT Delhi, during 2 – 4 July 2019.

Paper Presentations in Conferences

- Professor B. K. Surya Prakasha Rao, presented three papers on 'Performance of Stock Markets - A Case study of BRICS Nations', 'Performance Management in Digital Era: Case of selected steel units in India', and 'Financial Performance of Standard Chartered Bank and Kotak Mahindra Bank through CAMEL Model – A Comparative study', in a three day Academy for Global Business Advancement (AGBA) 16th World Conference, at IIT Delhi, during 2 – 4 July 2019.

Conferences / Workshops Attended

- Mr. P. Siddhardha, Assistant Professor, participated in the Knowledge Sharing Program on "Academic Excellence – Creating Climate through Communication, organized by ICFAI Business School, Guntur on 2 August 2019.
- Dr. P. Vamsi Krishna, Assistant Professor, participated in the Faculty Development Program for the course on



Prof.B.K.Surya Prakasha Rao, awarded Best paper at AGBA Conference at IIT Delhi

Computer Science & Business Systems designed by Tata Consultancy Services conducted at TCS, during 9 – 10 December 2019.

Ph.D Awarded Under Faculty Guidance |||

- Under the Guidance of Professor. B.K.Surya Prakasha Rao, Head, Dept. of Management Sciences, one Ph.D. Degree was awarded to Ms.E.Venu Madhavi, Faculty, Department of Management Studies, Vignan's Nirula Institute of Technology & Science for Women, Guntur, on 18th Sept. 2019 by Acharya Nagarjuna University . The title of the thesis was 'A Study on Organizational Culture in Singareni Collieries Company Ltd. – with special reference to Kothagudem Mines, Khammam (Dt), Telangana State'.

Ph.D Awarded |||

Mr. P. Vamsi Krishna, Asst. Professor, was awarded Ph.D for his thesis on 'Knowledge Management in Indian Companies' by Acharya Nagarjuna University, Guntur in September 2019.

Industrial Visit

The students of Final year MBA visited Pearl Beverages Pvt. Ltd., Nadimpalem, Guntur on 28 August 2019.



NAREDCO AP Property Show - 2019



Department of **Mechanical Engineering**

Two Week FDP Organized

An AICTE sponsored two week FDP on 'Emerging Technologies and Challenges in Mechanical Engineering' was organized during 21 Oct - 2 Nov, 2019 by Department of Mechanical Engineering. Resource Persons Dr. M. Ravi Shankar, IIT Tirupathi, Dr. C. Balaji, IIT Madras, Dr. V. Vasu, Dr. Adapu Kumar, Dr. Jayasankar, NIT Warangal, Dr. G. Ravi Chandra, Scientist, ARCI, Dr. S. Amarnath, Orthopedician, Mr. G. Ramesh Babu, Associate Project Director, SVAB at ISRO, SDSC SHAR, Dr. N. Ramanaiah, Professor, Dept. of ME, AU, Dr. K. Venkat Rao, Vignan University, Mr. Venkatesh shukla, DHIO Software, enlightened the participants by sharing their knowledge with 50 faculty members of RVRJCCE, as well as, faculty members of other engineering colleges, on different emerging technologies. The senior faculty members of Mechanical Engineering Department too delivered lectures on various topics in the FDP.

Research Projects Completed

- UGC sponsored research project entitled 'Flow forming behavior of extra drawn Al6061 under warm deep drawing' has been successfully completed under Ms. D. Swapna, Assistant Professor.
- Under AICTE 'MODROBS, scheme 'Vertical CNC milling Machine', Chandra plus was procured worth Rs. 21 lakhs with a management grant for Rs. 13 lakhs from the institution has been successfully completed under Dr. K. Ravindra, Professor and Head.

Workshops Organized under DST

- A three day DST sponsored Entrepreneurship Awareness Camp was organized for the pre-final students of Chemical, Civil, Mechanical and MCA branches. A total of 92 students participated during 12-14, Sept, 2019. Mr. V. Ramesh Babu, CEO, Precision Auto Products, Vijayawada, Mr. K. Vamsi Krishna, MD, Wisdom Associates, Nallapadu, have graced the inaugural function. Speakers like Mr. A. Srikanth, Co-Founder Goli Soda, Mr. G. Aditya, Director, Rock Aggregates Pvt. Ltd and Mr. M. Naveen Kumar, Special grade Industrial Promotion Officer, District Industries Centre, Guntur, have delivered the talks. Dr. S. Radhika from Mechanical Engineering Department RVRJCCE, delivered lectures on 'Innovation and its importance and 'Business Opportunity Identification



Dr. Ravi Shankar, IIT, Tirupati, being felicitated

- A three day DST sponsored Entrepreneurship Awareness Camp was organized for the Pre-final students of ECE, EEE and MCA branches. 90 students participated during 9-11, Dec, 2019. Mr. P. Bhaskara Rao, President, AP Food Processing Industries Federation, Vijayawada, Ms. N. Deepthi, Director, ACME Kids, Guntur, have graced the inaugural function. Speakers like Mr. Sahitya Chandra, CEO, Saahi Automation Solutions, Mr. K. Rama Krishna, Asst. Director, Mr. M. Naveen Kumar, Special grade Industrial Promotion Officer, District Industries Centre, Guntur, have delivered talks and discussed with the young Engineers the ways of achieving success and its real time struggle.

Research Paper Publications

- G. Venkata Mahesh, Dr. G. Chaitanya, 'Experimental Investigations on Machinability of Al6063 Alloy by Abrasive Water Jet Machining', International Journal of Engineering Development and Research, pp:280-286, Vol.7, Issue 3, ISSN: 2321-9939, July, 2019.
- Dr. C. Tarasasanka, K. Snehlita, Dr. K. Ravindra, Dr. D. Sameer kumar, 'Optimization of dry sliding wear properties of AZ91E/ nano Al2O3 reinforced metal matrix composite with grey relational analysis', International Journal of Engineering, Science and Technology, pp. 41-48, Vol. 11, No. 4, July, 2019.
- Raffi Mohammed, Dr. B. Ramgopal Reddy, Abdul Siddique Shaik and J. S. Suresh 'Hybridization Effect on Mechanical Properties and Erosion Wear of Epoxy-Glass Composites', International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, 8(9), July 2019.



- A. Sailaja, Dr. B. Ramgopal Reddy and G.Venkateswarlu, 'Tool Optimization of Friction Stir Processing of ZE41A Rare Earth Magnesium Alloys', International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol. 8(1), July, 2019.
- E. Sai Baba, M. Vinitha, Dr. D.V.V. Krishna Prasad, 'Effect of T6 Heat Treatment on Dry Sliding Wear Performance of Al-7075/Al₂O₃/ TiC Hybrid Metal Matrix Composites', International Research Journal of Engineering and Technology', pp: 2774-2780, Vol.6, Issue 07 July 2019.
- Y. Naveen, Dr. S. Radhika and D. Swapna, 'Experimental Analysis to Predict the Formability of Aluminium Aa6061-T6 Sheet Metal at Elevated Temperatures' International Journal of Recent Scientific Research, Vol. 10, Issue.07(D), pp. 33555-33561, ISSN: 0976 – 8081, July 2019.
- Jush Kumar Siddani, Dr. C. Srinivas, N. Nagabhushana Ramesh, 'Surface texture of titanium 31 and H.S.S using micro EDM Drill and wire EDM', International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Vol.8, Issue-9, July, 2019.
- R. Suresh, Dr. C. Srinivas, Sneha. H. Dhoria, 'Experimental investigation of Thermal conductivity of aluminium metal matrix composites', pp: 341- 346, Vol.7, Issue 3, ISSN: 2321-9939, July, 2019.
- K. Snehita, V. Praneetha, S. Vikas Deep, T. Ajay, M. Veda, S. Brahmam, P. Sai Krishna, 'Design & Fabrication of Tri-Wheel Stair Case Climbing Hand Trolley', International Journal of Engineering Trends and Technology, Vol.-67, Issue-7, July, 2019.
- Dr. V. Ramakoteswara Rao, J. Rangaraya Chowdary, S. P. Kumar Gudapati, 'Fabrication and investigation on mechanical properties of (AA7075/Cr3C2) metal matrix composites', Materials Today: Proceedings, July, 2019.
- Sneha H. Dhoria, Dr. V. Durga Prasada Rao, Dr. K. Venkata Subbaiah, 'Mechanical and wear behaviour of 6351 Al/Gr/SiC composites fabricated by squeeze casting', Materials Today Proceedings, Vol. 18P6, pp: 2107-2113, July 2019.
- Gopireddy Ashok Reddy, Dr. N. Govind, 'Optimization of Mechanical Stir Casting Parameters for Fabrication of Al5083-SiC Alloy Composite through Taguchi Method' International journal of Innovative Research in Science, Engineering and Technology, pp:8360-8366, Vol.8, Issue 8 August 2019.
- K. Sai Kiran, Dr. B. Ram Gopal Reddy, 'Optimization of Process Parameters in Drilling of Glass/Flax/Bamboo fibers reinforced polymer hybrid composites using Taguchi Method', International Journal of Research and Analytical Reviews, pp: 178-185, Vol.6, Issue 3, E-ISSN 2348-1269, P- ISSN 2349-5138, August 2019.
- M. Gopi, Dr. K. Ravindra, D. Swapna, 'Experimental and Simulation Investigation of Non-Isothermal Uniaxial and Biaxial Deep Drawing Tests for AL6061-T6 Sheet', International Journal for Research in Applied Science & Engineering Technology, pp:16-28, Vol. 7, Issue 8, ISSN: 2321-9653, August 2019.
- Sk. Ansar Subhani, K. L. Chaitanya, Dr. K. Srinivas, N. Pragna, Sk. Ansar Jilani, 'Implementation of VIKOR Method for Selection of Ideal Piston Material Alloy Subjected to different Criteria Weighting Methods', International Journal of Management, Technology and Engineering, pp:13- 20, Vol.9, Issue 8, ISSN: 2249-7455, Aug, 2019.
- G. Santhanam, Dr. C. Srinivas, Ch. Khyathi Sree & S. Srinivas Prasad, 'CFD analysis of the effect of Mach Number on scramjet combustion', International Journal of Mechanical and Production Engineering Research and Development, pp:393-402, Vol. 9, Issue 4, ISSN (P): 2249-6890; ISSN (E): 2249-8001, August 2019.
- Md. Hasheer, Dr. K. Srinivas, 'Performance Comparison of a Low GWP Refrigerants as Alternatives to R134a in a Refrigerator with and without Liquid – Suction Heat Exchanger' Journal in Trans Tech Publications Ltd, Switzerland, pp. 343 – 348, ISSN: 1662 – 9752, Vol, 969, August 2019.
- Md. Hasheer, Dr. K. Srinivas, 'Effect of Hydrofluorocarbons and Hydrofluoroolefins in a household Refrigerator as a substitute for R134a', Journal in Trans Tech Publications Ltd, Switzerland, pp. 199–204, ISSN: 1662 –9752, Vol.969, August 2019.
- M. Anuradha, Dr. V. Chittaranjan Das, D. Venkateswarlu, Muralimohan, 'Parameter Optimization for Laser Welding of High Strength Dissimilar Materials', Materials Science Forum, pp:558-564, Vol.969, August 2019.
- M. Anuradha, Dr. V. Chittaranjan Das, D. Venkateswarlu and Muralimohan Cheepu, 'Microstructure Characterization in Dissimilar TIG Welds of Inconel Alloy 718 and High Strength Tensile Steel', Materials Science Forum, pp 496-501, Vol. 969, August 2019.
- T.V.S.R.K Prasad, Dr. K. Srinivas, Dr. C. Srinivas, 'Decentralized production-distribution planning in a supply chain-computer experiments', ELSEVIER, Science Direct Materials Today proceedings 18 (2019), PP A1 –A11.
- D. Kondalrao, Dr. K. Srinivas, 'Tool Condition Monitoring in Hard Turning of Inconel 718 by using Vibration Technique', International Journal of Innovative and Exploring Engineering, pp:1144-1147, Vol. 8, Issue-11, ISSN: 2278-3075, Sept, 2019.
- G. Sri Valli, Dr. K. Ravindra, Dr. B. Sreedhara Rao, 'Literature Review on Corrugated Plate Heat Exchanger', Materials Today: Proceedings 18, pp: 320–326, 2019.
- G. Rajeswara Rao, Jami Ramesh, Dr. V. Chittaranjan Das, 'Fabrication Characterization and Mechanical behavior of AL-10Mg- FA-SiC metal matrix composites', International Journal of Engineering Research and Technology, pp.1664-1667, Vol. 12, No. 10, Sept, 2019.
- Ravi Sekhar S, Dr. V. Chittaranjan Das, Govardhan D, Ram Subbaiah, 'Characterization of Friction Surfaced Deposits on Low Carbon Steel', International Journal of Engineering and Advanced Technology (IJEAT), pp:1248-1251, Vol.9 Issue-1, Oct, 2019.
- J. P. Karthik, J. Rangaraya Chowdary, Dr. C. Tarasasanka, Dr. D. Sameer Kumar, 'Life Prediction of Spur Gear Under Fully Reversed Loading Using Total



Life Approach and Crack-Initiation Method in FEM', Aksaray University Journal of Science and Engineering, pp. 82-98, Vol.3, Issue 2, December 2019.

- K. L. Chaitanya, Dr. K. Srinivas, 'Sensitive Analysis on Selection of Piston material using MADM Technologies', International journal of Mechanical Engineering @SjF STU Bratislava, pp: 45 – 56, Print ISSN: 2450 - 5471, Vol 69, December 2019.

Paper Presentations in Conferences

- K. Snehita, Dr. P. Ananthalakshmi, Pallavi, Durga Prasad, Asst. Profs, presented a paper on 'Green energy-Utilization and barriers of Solar and Hydropower technologies', in International Conference on Advances in Renowned Renewable Energy Technologies, organized by Department of Mechanical Engineering, V. R. Siddhartha Engineering College, during 23rd-24th October 2019.
- Y. N. V. Sairam, Dr. J. Prabakaran, Dr. C. Tarasasanka, Asst. Profs, presented a paper on 'Preparation and Characterization of Lanthanum Hexaaluminate Powders for High temperature Applications' at International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing, organized by the Department of Metallurgical and Materials Engineering, NIT Tiruchirappalli during 27-28 Dec, 2019.
- Arunasanthi. K, Dr. C. Srinivas, Assoc. Prof, presented a paper 'Experimental investigation of mechanical properties of jute – ramie fibres reinforced wire epoxy hybrid composites' in 2nd international conference on recent trends in metallurgy, materials science and manufacturing organized by the Department of Metallurgical and Materials Engineering, NIT Tiruchirappalli during 27-28 Dec, 2019.

Conferences/ Workshops Attended

- Dr. V. Chittaranjan Das attended a one week QIP short term course on 'Analysis of Modern Manufacturing Processes' conducted by IIT Bombay during July 8-12, 2019.
- Dr. C. Srinivas, Dr. K. Balaprasad participated in short term course on 'Engineering optimization', conducted by E centre for continuous education IISC, Bengaluru during 15-19 July 2019.
- Mr. Md. HasheerShaik attended the AICTE sponsored STTP on 'Measurement and Analysis of In-cylinder Processes in Engines' to be conducted at IIT Madras during 25-30 November 2019.
- Mr. Y.N.V. Sairam participated in 'Two-Dimensional Materials:Physics and Applications', conducted by Dept. of Physics, IIT Madras during 21– 26 Sept, 2019.
- Dr. K. Balaprasad participated in one week workshop on 'Lab Maintenance held by NITTR Chandigarh, at RVRJCCE during Oct, 2019.
- Dr. K. Praveen kumar, Dr. V. Ramakoteswara Rao, Dr. Reddy Sreenivasulu, Mrs. K. L. Chaitanya, Mr. Ch. Devaraj, Mrs. M. Vijaya, Mr. V. Tarachand, Mr. J. Rangaraya Raya Chowdary, Mr. Md. Hasheer Shaik, Ms. Sneha. H. Dhorja, Mr. D. Kondal Rao, Mr. K. Hari Prasad, Mr. Y. N. V. Sairam, Mrs. K. Snehita, Mr. T. N. S. Rama Krishna participated in

AICTE sponsored two week FDP on Emerging Technologies and Challenges in Mechanical Engineering, 21 Oct. – 2 Nov, 2019, organized by Dept. of Mechanical Engg, RVRJCCE.

- Dr. B. Ramgopal Reddy, Assoc. Professor attended an AICTE sponsored one week STTP on 'Advances in Process Design by using Simulators' from 28 Oct. - 2 Nov. 2019, organized by Dept. of Chemical Engineering, RVRJCCE.
- Mr. D. Kondalrao participated in an AICTE STTC on 'Advances in Thermofluidics of Multiphase Flows' held at IIT Madras during 4-9 November 2019.
- Dr. N.V.V.S. Sudheer attended an AICTE one week short term course on 'Startups and their Ecosystems role and promotion strategy' held at IISC Bangalore during 9-13 December 2019.

Online Courses Completed

- Dr. S. Radhika, Assoc. Prof. completed online course on "CS101.1x: Programming Basics and secured A+ grade, conducted by IIT Bombay, during 14 Aug-24 Dec, 2019.

Industrial Tour

- The II, III and IV year students of Mechanical Engg. visited the Railway Wagon Workshop, Sangam Dairy at Vadlamudi, Lakshmi Ganapathi Industries at Guntapalli, M/s Kusalava Industries Ltd. at Adavinekkalam, G.S. Alloy Castings Ltd at Surampally during 3-4 Sep, 6-8 Aug, 27 July, 3 Aug, 2019 respectively.

Ph.D Awarded Under Faculty Guidance

- Under the guidance of Professor Dr. K. Srinivas, Mr. B. Tulasi Rama Rao was awarded Ph.D in August 2019 by the JNTU Hyderabad. The title of the thesis was "Stability Analysis for turning process at different operating parameters."
- Under the guidance of Professor Dr. V. Chittaranjan Das, four Ph.D degrees were awarded by Acharya Nagarjuna University. Details follow :
- Mr. Sriram Ravi Sekhar received Ph.D in July 2019 for his thesis "Characterization of friction surfaced deposits (Stainless Steel and Tool steel M2 over low carbon steel)."
- Mr. Hariprasada Rao Pydi received PhD in July 2019 for his thesis 'Influence of Nanoclay inclusion on Thermal Aging Behavior, Mechanical and fatigue Properties of ABS/HDPE/PP Thermoplastic Polymer Composites."
- Ms. Naga Swapna Sri Movva received PhD in Aug. 2019 for her thesis "Fabrication, Characterization and Deformation Studies on A356/Cu Particulates Reinforced Metallic Composite."
- Mr. K. Bhasker Mutyalu received PhD in Nov.2019 for his thesis "Performance Evaluation, Combustion and Emission Characteristics of Diesel Engine Fueled with SheaOlein Biodiesel."

Faculty Recruitment

- Dr. Muddu. A, was recruited as Assistant Professor in the Dept. in November 2019.

Faculty Relieved

- Dr.D. Sameer Kumar was relieved of his duties in Aug, 2019.



Training and Placement Cell

Campus Placements 2019 - 2020

640 students were placed by 48 companies through On-campus and Pool campus drives that were held during July – December, 2019. 29 Companies visited RVR & JCCE for On Campus Placement drives, while the other 19 were pool campus drives.

On Campus

- **Value Labs, Hyd.,** visited the college to conduct campus drive for B.Tech (CSE, ECE, EEE & IT) students. The process was online test, GD, Technical & HR interviews. 4 students were selected.
- **EPAM India,** held campus placement drive for final year B.Tech (CSE, ECE & IT). The Recruitment Process included an Online Test, GD, Technical & HR interviews. 5 students grabbed jobs.
- **Tata Consultancy Services , Hyd.,** visited RVR campus to conduct placement drive for all the final year students (B.Tech, M.Tech & MCA). The recruitment process included an On-line test, TR & HR interviews. 279 students were selected.
- **DarwinBox, Hyd.,** conducted placement drive for final year B.Tech (CSE, ECE & IT). The recruitment Process included an online test, telephonic interview and personal interviews. None got selected.
- **Hyundai MOBIS, Hyd.,** held campus placement drive for final year B.Tech students (CSE, ECE & IT). The recruitment process included an online test, Technical interviews, Psychometric test, HR & PPT round. 4 students were selected.
- **Unistring Tech Solutions Pvt Ltd., Hyd.,** visited the college to conduct campus drive for B.Tech (CSE, ECE & EEE) students. The process was written test, technical & HR interviews. 3 students grabbed jobs.
- **Snovasys, Hyd.,** conducted placement drive for B.Tech students (CSE, ECE & IT). The process was system Test, GD, TR & HR Interviews. 4 students were selected after clearing all the rounds.
- **Hexagon Capability Center India Pvt, Ltd., "Intergraph", Hyd.,** visited the campus to conduct placement drive for B.Tech (CSE & IT) students. 5 students got selected.



Students recruited by the TCS



- **Talentio Solutions Pvt, Ltd., Hyd.,** held placement drive for final year B.Tech, M.Tech (CSE & IT) & MCA students. The recruitment process included an online test, JAM, & Interview. 15 students were selected.
- **Technovert, Hyd.,** visited the college to conduct campus drive for B.Tech (all branches). The process was online test, Programming assessment, system test, technical discussion & personal interviews. 4 students were offered jobs.
- **NALSOFT, Hyd.,** conducted placement drive for B.Tech (CSE, ECE & IT) students. The process was online assessment test, technical & HR interviews. 2 students were offered placement.
- **Multiplier Solutions, Hyd.,** visited RVR campus to conduct placement drive for B.Tech (all branches) MCA & MBA students. The process was written test & interviews. 22 students got selected.
- **Sri Sahin Tech Solutions, Hyd,** held campus placement drive for final year B.Tech (ECE, EEE & ME). 18 students were selected.
- **Aliens Group, Hyd.,** visited the college to conduct campus drive for B.Tech (all branches) & MBA. The process was GD, Face to face discussion & Video presentation. 5 students were selected after clearing all the rounds.
- **Raam Group, Hyd.,** conducted placement drive for B.Tech (all branches) & MBA students. The process was written test, GD & personal interviews. 3 students were selected.
- **Hexaware, Chennai,** visited RVR campus to conduct placement drive for B.Tech (CSE, ECE, EEE & IT) & MCA students. The process was online test, GD, technical interview, versant test & HR interviews. 10 students were selected.
- **Guru Gowrie Krupa Technologies Pvt. Ltd., (GGK) Hyd.,** held campus placement drive for final year B.Tech (CSE, ECE, EEE & IT) students. The recruitment Process included online test, programming test and technical and behavioural round of interviews. 5 students were selected.
- **PinClick, Bangalore,** visited the college to conduct campus drive for MBA students. The process was telephonic interviews. 11 students were selected after clearing telephonic rounds

- **Surya Tech Solutions, Hyd.,** conducted placement drive for B.Tech (ECE, EEE & ME) students. The process was face to face interview & medical test. 18 students got selected.
- **Shell Pro Technologies, Bangalore,** visited RVR campus to conduct placement drive for B.Tech (CSE, ECE, EEE, IT & ME) students. The process was GD & technical interviews. 51 students got selected.
- **Aptroid Consulting (India) Pvt Ltd, Hyderabad,** held campus placement drive for final year B.Tech (CSE, ECE, & IT) & MCA students. The recruitment process included online test, Technical, Managerial and HR round interviews. 1 student was selected.
- **Jaro Toppscholars, Mumbai,** visited the college to conduct campus drive for B.Tech (all branches) & PG (MBA) students. The process was GD & personal interviews. None got selected.
- **Seventh Sense Talent Solutions, Bangalore,** conducted placement drive for B.Tech. (all branches) and MBA students. The process was JAM & HR interviews. 25 students were selected.
- **Chola MS, Vijayawada,** visited the campus to conduct placement drive for B.Tech (all branches) & MBA students. The process was online test, GD & personal interviews. 13 students got selected.
- **Yamyah, Vijayawada,** held campus placement drive for final year B.Tech (CSE & IT) students. The recruitment process included personal interviews & project work. 2 students were selected.
- **Medha Servo Drives, Hyderabad,** conducted campus drive for B.Tech (ECE, EEE & ME) students. The process was written test & personal interviews. None were selected.
- **FACE (Focus Academy for Career Enhancement), Hyderabad,** conducted placement drive for B.Tech (all branches) students. The process was written test, GD & demonstration. 4 students got selected.
- **Coviam, Bangalore,** visited the campus to conduct placement drive for B.Tech (CSE & IT) students. The process was online test & personal interviews. 3 students got selected.
- **Techolution India, Hyderabad,** held campus placement drive for final year B.Tech (CSE, ECE & IT) students. The recruitment Process included online test, technical and HR round of interviews. 1 student was selected.



Off Campus

- **Infosys**, conducted HackWithInfy / InfyTQ and selected 31 students for different roles.
- **SmartDV Technologies, Bangalore**, conducted pool drive at SV Engg. College, Tirupathi. 3 students were selected.
- **Microsoft, Hyderabad**, offered internship and selected students on the basis of their performance in the internship. one student was selected with 13 Lakh package.
- **Veda IIT, Guntur** conducted pool drive at their office. 6 students got selected.
- **TechMojo Solutions Pvt Ltd. Hyderabad**, conducted pool drive at KLU. None got selected.
- **ZenSar Technologies, Pune**, conducted pool drive at V.R. Siddhartha Engg. College. One student got selected.
- **CtrlS Data Centers, Hyd**, conducted pool drive at Sree Venkateswara Engineering College. 2 students got selected.
- **CTS, Hyderabad**, conducted pool drive at KLU. 23 students got selected.
- **Sraavya IoT Technologies Pvt Ltd, Vishakhapatnam**, conducted pool drive at Andhra Loyola Institute of Engineering and Technology, None got selected.
- **HashedIn Technologies, Bangalore**, conducted drive at their office. None got selected.
- **Apps Associates, Hyderabad**, conducted pool drive at Narasaraopeta Engineering College. None got selected.
- **Wipro, Hyderabad**, conducted pool drive at KLU, 22 students got selected.
- **WinWire Technologies**, conducted pool drive at their office. 3 students were selected.
- **Virtusa, Chennai**, conducted pool drive at their office, 2 students got selected.
- **Mangnum Wings**, Vijayawada conducted pool drive at their office. 4 students got selected.
- **IBM, Hyderabad**, conducted pool drive at KLU, 12 students were selected.
- **NTT Data, Bangalore**, conducted pool drive at V.R. Siddhartha Engineering College. 4 students got selected.
- **HCL, Vijayawada** conducted drive at their office. 2 students were selected.
- **Efftronics, Vijayawada** conducted pool drive at their office. 6 students were selected.

Research Paper Publications by Faculty

- Dr. Samuel Babu Koppula, "Political Inklings of South African Unrest in André Brink's The Ambassador" Review of Research, ISSN:22 49-894X, Vol.8, Issue9, 2019, p.1-8.

Paper Presentations/Seminars Attended

- G. Kalpana Devi, Asst. Prof., attended one-day seminar on 'Academic Excellence-Creating Climate through Communication' organized by IBS, ICFAI on 2nd Aug. 2019.
- Dr Aruna Y, presented paper on 'The Endangered Languages of Telugu Speaking States-AP and Telangana' in the 'International Language Fest on Indigenous and Endangered Languages' organized by North Eastern Hill University, Shillong, in October.

Training Programmes

- A 12 day technical training programme was conducted by (CCC) Campus Corporate Connect, Hyderabad for IV B.Tech (CSE, ECE, EEE & IT) and III MCA students.
- An awareness programme was conducted for III year students by Mr. Chandra Konduru, Head, Academic Interphase Programme & Mr. J. Chandrasekhar, Corporate Manager, Academic Interphase Programme, M/s. Tata Consultancy Services.
- A one day workshop on Engineering Employability Skills was conducted by Mr. Abdul Vali Syed, M/s. Hunar Engineering School for Employability, Dubai, for III & IV B.Tech (CSE, ECE, EEE & IT) and III MCA students.
- An interactive session was conducted by Mr. Srihari Karnam & Mr. Partha Acharya, TCS, Hyderabad, for TCS selectees of IV B.Tech, II M.Tech & III MCA students.
- An awareness programme was conducted by Mr. Keerthi Varman, HR, M/s. Pure Chemicals Group, Chennai, for II MBA students.
- A Career Guidance programme was conducted by Ms. Hima Bindu Sistla, Consultant Trainer, Hyderabad, for Pre-final years.
- An interaction programme was conducted by Mr. Akilesh, M/s. CoCubes for IV B.Tech students.
- A motivational lecture was given by the Placement team of M/s. Shriram Life Insurance, Hyderabad, for all the MBA students.
- A two day Infosys specific training programme was conducted by M/s. Triumphant Training Solutions, Hyderabad & M/s Seventh Sense, Bangalore, for the final year students.



Mr. Abdulvali Syed
at the session



Mr. Akilesh
at the session

Practices for Holistic Development

NSS Programmes

- The NSS Directorate, Govt. of India, New Delhi, selected Dr. M. Sudhakar, NSS Divisional Programme Officer of RVRJCCE, as Contingent Leader for the NSS Republic Day Parade Camp 2020, scheduled during 1st Jan-31st Jan., at New Delhi. Prior to this, he had participated in West Zone NSS pre-RD parade camp, held at Gujarat during 5-14 November 2019, where he had won appreciation as the Best Active Contingent Leader. A Play-let directed by Dr. Sudhakar on Environmental Awareness- 'Save Nature' was screened for the Republic Day Cultural programmes.
- Dr. M. Sudhakar, NSS PO received national level prestigious awards of Dr. APJ Kalam Seva Puraskar - 2019' on the occasion of Dr. APJ Abdul Kalam's birthday and Gandhi Peace Award-2019, through Global Human Rights of India through TS Educational Minister at Ravindra Bharati, Hyderabad on 15th Oct. 2019.

The following are the programmes organized by the NSS Units of the college, during July-Dec, 2019:

- Conducted Motivational programme on youth empowerment and about NSS and community service to NSS volunteers of RVRJCCE, on 29 Dec, 2019.
- Conducted awareness program on child abuse, child marriages, child trafficking, anemia, nutrition and women helpline numbers to all girl students on 27th December, at Pothuru Primary School and High School with 150 PGT NSS girl volunteers in association with the Women Empowerment Cell, Guntur district. Sankara Narayana Dictionaries were distributed to the meritorious students of Pothuru ZP High School as a part of the programme.
- Conducted Awareness programme on child abuse, child marriages, child trafficking and anaemia and nutrition to 35 Municipal, Aided and Missionary High School girl students, in and around Guntur with PGT 35 teams, containing 175 NSS volunteers.
- Conducted awareness programme on Ek-Bharat Shreshtha Bharat – EBSB-2019 and on Swatchhata at Pottur village, on 26 December, with 150 NSS Volunteers and encouraged literacy among the old age people so

as to sign their names themselves, instead of thumb impression.

- Conducted Mega Blood Donation Camp with 127 volunteers at IRCS Blood Bank, Rainbow Blood Bank and Ramesh Hospitals, Guntur, on 24 December.
- Conducted Awareness Programme on Women Empowerment and on Swachhata at Obulanaidupalem UP School and the village. Involved 150 volunteers along with Panchayat Office staff, on 20 December 2019.
- Conducted Awareness Programme designed by Government of India on 'Ek Bharath Shrestha Bharat – EBSB-2019' at Obulanaidupalem village with 200 NSS volunteers on 19 December 2019.
- Donated blood by NSS volunteers in 'Mega Blood Donation Camp' organized by ANU, NSS Cell. Donated blood to GGH, IRCS Blood Bank on 4 Dec, 2019.
- Conducted 15th Blood Donation Camp at Rainbow Blood Bank, Guntur on 29 November 2019.
- A one-day 'Mass Cleanliness-cum-awareness drives on Coastal beaches' was conducted, at Surya Lanka beach, Bapatla on 13 November 2019, in association with the Government of India, MoEF & CC and AP National Green Corps (APNGC).
- Conducted a 'Health awareness & Multi-nutrient supplementation' program for pre-natal women of Vengalayapalem village on 3 Oct, 2019, in association with the Indian Red Cross Society, Repalle sub-division branch.
- Distributed 250 Eco friendly Ganesh Idols, on the occasion of Vinayaka Chavithi on 2 October, 2019.
- Conducted Plantation programme at Obulanaidupalem forest on 2 October on the occasion of Mahatma Gandhi's Birthday.
- Organized District Level Debate on Plastic Free World, Swachh Bharat, Jala Sakthi Abhiyan, sponsored by Ministry of Information Technology and Broadcasting, GOI and distributed prizes to the winners of top six students, during 5-6 October 2019 at RVRJCCE.
- Organized an inspirational talk on 'Inner Engineering' for the First year students by Sri G. Lakshamaiah garu, DSP, Guntur, on 24 September 2019.





- Conducted Career Guidance Programme at Obulanaidu palem on 20th Sept, with 20 NSS volunteers.
- Organized 5K walk with 2000 Youth Volunteers on the occasion of 'World Heart Day' with the motto 'your heart-my heart-everyone's heart beat is important', from Dr. Ramesh Hospital. It was inaugurated by Dr. Rayapati Srinivas, President, NES & RVR&JCCE and Dr. Ramesh Babu, Chairman, Ramesh Hospital.
- Organized Swachh Bharat, SBSI-2019 programme for 15 days, 50 hours i.e. from 1st Aug. -15th Aug. with 319 volunteers at Obulanaidupalem, Yanamadala, Pottur and distributed dictionaries worth Rs. 25,000 to the meritorious children in the schools. Also, conducted motivation classes to X class students, from 2 - 5 p.m., as a part of SBSI 2019.
- Conducted Mega Plantation programme during 14-15 August, 2019 at Obulanaidupalem forest zone. The NSS volunteers planted 500 saplings.
- Organized Block Level Elocution competition on Patriotism and Nation Building at college NSS Office and selected 6 NSS volunteers for district level competition on Patriotism. Ms. B. Chandana of IV B.Tech, CSE won first prize(cash prize Rs.5000)and Mr. Ranjit Kumar, III B.Tech., ECE won third prize (cash prize Rs.1000/) in the District Level Debate Competitions on "Patriotism and Nation Building" organized by Nehru Yuva Kendra, Guntur on 14 Sept, 2019.

NCC NEWS

The NCC Cadets participated in various programmes between July-December 2019:

- Plantation Programme was organized on the eve of National Tree Day on 1st July.
- Cycle Rally was organised at Yanamadala village, Guntur, to create awareness about water pollution on 3rd July.
- Quiz competitions were conducted on air, water, soil and noise pollution on 5th July.
- Road show was organized to create awareness about air, water and noise pollution on 8th July.
- Twelve NCC cadets participated in CATC-IV held at Guntur during 15-24 July.
- Six NCC cadets participated in CATC-V held at Guntur during 26 July - 4 August.
- NCC cadets celebrated Kargil Vijay Diwas on 26 July 2019 on the college premises to honor the Kargil War Heroes.
- Lt. Col QR Haidry Officer Commanding 1(A) Engr coy, distributed 'B' certificates to the cadets at college campus on 29 July 2019.
- Seven NCC cadets participated in CATC-IV held at Guntur during 25 July-3 Aug.
- Six NCC cadets participated in CATC-V held at Guntur during 25 July - 3 Aug.
- NCC selections for B certificate were held on 28 August.
- A Seminar on Jal Shakti Abhiyan was conducted by NCC cadets on 20 September.
- Seven NCC cadets participated in CATC-IX held at Guntur in November.
- NCC Day was celebrated on the campus on 25 Nov., by 1(A) Engr.coy NCC, Guntur.
- A rally on water conservation and effects of using drugs and tobacco was conducted on 26 November. An awareness rally on polythene was also conducted on 30 Nov.
- One cadet participated in Trekking Camp at Kadapa, AP, in December.
- Awareness Rally on Plogging, as a part of swacchha bharat was conducted on 7 December.
- A seminar was organized by NCC Unit on plastic waste management on 13 December.
- One cadet participated in Trekking camp at Kalathupuzha, Kerala, in December.





Sports *and* GAMES

Students Represented Acharya Nagarjuna University & Other Teams

- D. Mounika Sai Lakshmi (Y16CS825) was selected for ANU Chess Women team and participated in South India Inter-University Tournament, held at Acharya Nagarjuna University, Guntur, during 22 -25 November 2019.
- Mr. M. Vishnu Vardhan Reddy (Y17CE104) and Mr. K. Adithya (Y18IT043) were selected for ANU Tennis team and participated in South India Inter-University Tournament, held at Jain University, Bangalore, during 16 -20 October 2019.
- Mr. Ch. Gowtham (Y16EE831) was selected for ANU Volleyball team and participated in South India Inter University Tournament, held at Krishna University, Machilipatnam, during 26-30 Nov, 2019.
- Mr. R. Sampath Kumar (Y18ME126) was selected for ANU Cricket team and participated in South India Inter University Tournament, held at University of Mysore, during 28 Nov - 11 Dec, 2019.
- Mr. I. Manikanta (Y18EC098) was selected for ANU Basketball team and participated in South India Inter University Tournament, held at Hindustan University, Chennai, during 07-11 Dec, 2019.
- Y. Neethika (Y17CS177) and Gnananjali.R (Y17IT034) were selected for ANU Basketball Women team and participated in South India Inter-University Tournament, held at University of Madras, during 15 -19 Dec, 2019.
- Mr. G. Sai Nayak (L18EC189) was selected for ANU Badminton team and participated in South India

Inter University Tournament held at, SRM University, Kattankulathur, during 16 - 20 Dec, 2019.

- Mr. Yoihenba Kshetri (Y16ME975) was selected for ANU Table Tennis team and participated in South India Inter University Tournament, held at Hindustan University, Chennai, during 19 - 22 Dec, 2019.
- Mr. N. Vikram Aditya (Y17EE114) was selected for ANU Handball team and participated in South India Inter-University Tournament, held at Bangalore North University, Kolar, during 21- 24 Dec, 2019.
- Mr. M. M. Sasi Kiran (Y16EC896) and Mr. K. Ajay Kumar (Y16ME861) were selected for ANU Chess team and participated in South India Inter-University Tournament held at Gandhigram Rural University, Dindigul, during 22 -25 Dec, 2019.
- Mr. A. Mohan Krishna (Y17EC104) was selected for ANU Archery team and participated in All India Inter-University Tournament held at Kalinga Institute of Industrial Technology, Bhubaneswar, during 26 - 29 Dec, 2019.

College Teams at Inter Collegiate and Other Tournaments

- The college Carroms and Chess teams participated and secured 2nd Place in the Samkalp- 2019, held at Kallam Haranadha Reddy Institute of Technology, during 13 - 14 September 2019.
- The college Kho-Kho Women team participated in Inter-collegiate Tournament, held at Krishnaveni Degree College, Narasaraopet, during 17-18 Sept, 2019.
- The college Chess Women team participated and secured 2nd place in Inter-collegiate Tournament,



ANUIC Badminton (W) 4th place



ANUIC Basketball (M&W) 3rd place



ANUIC Chess (W) 2nd place



ANUIC Chess 2nd place



ANUIC Softball 3rd place



ANUIC Table Tennis 1st place

held at Chalapathi Institute of Pharmaceutical Sciences, Lam, Guntur, during 28 - 29 Sept, 2019.

- The college Cricket team participated in Inter-collegiate Tournament, held at JKC College, Guntur, during 3 - 4 November 2019.
- The college Volleyball team participated in Inter-collegiate Tournament, held at VTJM Degree College, Mangalagiri, during 11-13 November 2019.
- The college Badminton team participated in Inter-collegiate Tournament, held at Bandla Bapaiah Hindu College, Vetapalem, during 16 - 18 Nov, 2019.
- The college Badminton Women team participated and secured 4th place in Inter-collegiate Tournament, held at Bandla Bapaiah Hindu College, Vetapalem, during 17 - 18 November 2019.
- The college Table Tennis team participated and secured 1st place in the Inter-collegiate tournament, held at Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Chowdavaram during 25 - 26 Nov, 2019.
- The college Best Physique team participated and secured 2nd place (75Kg) and 3rd place (65Kg) weight categories in Inter-collegiate tournament, held at VTJM Degree College, Mangalagiri, during 26-27 Nov, 2019.
- The college Softball team participated and secured 3rd place in Inter-collegiate tournament, held at Chundi Ranganayakulu College, Chilakaluripet, during 27 - 28 November 2019.
- The college Basketball team participated and secured 3rd place in Inter-collegiate tournament, held at JKC College, Guntur, during 29 - 30 November 2019.
- The college Basketball Women team participated and secured 3rd place in Inter-collegiate tournament, held at JKC College, Guntur, on 30 Nov, 2019.
- The college Kabaddi team participated in Inter-collegiate tournament, held at Bandla Bapaiah Hindu College, Vetapalem, during 29 Nov. - 1 Dec, 2019.
- The college Athletic Men and Women teams participated in Inter-collegiate tournament, held at Campus, during 05 - 06 December 2019.
- The college Chess team participated and secured 2nd place in Inter-collegiate tournament, held at Chalapathi Institute of Pharmaceutical Sciences, Lam, Guntur, during 9 - 10 December 2019.
- The college Kho-Kho team participated in Inter-collegiate tournament, held at A.G.K.M College, Sattenapalli, during 11 - 12 December 2019.
- The college Volleyball, Basketball, Table Tennis and Carrom teams participated and secured 1st Place in

Table Tennis, Carroms and 3rd place in Table Tennis in the VIVA VVIT 2019-2020, held at VVIT, Nambur, during 21 - 22 December 2019.

- The college Cricket team participated and secured 2nd place in Mokshagundam Visvesvaraya Cricket tournament 2019-20, held at St. Mary's Group of Institutions Cricket ground, during 20 -26 Dec, 2019

Tournaments Organised

- The college hosted seven matches of BCCI Senior women Inter State T20 league tournament, organised by The Andhra Cricket Association, held during 14 - 23 October, 2019
- The College organized IC Cricket Inter Zonal tournament in the college Cricket Ground, during 07 - 11 November, 2019.
- The college hosted seven matches of BCCI Under-23 women Inter State T20 league tournament, organised by The Andhra Cricket Association held during 12 - 21 November 2019

Dr. P. Gouri Sankar, Sr. Physical Director was nominated for the following positions:

- Nominated as observer for IC Volleyball (Women) tournament, held at D.S.Govt Degree & P.G College for Women, Ongole from 3 - 4 October 2019
- Nominated as Selection Committee Member to select Volleyball (Men) team for the year 2019-20 held at VTJM Degree College, Mangalagiri, during 11 - 13 Nov, 2019.
- Nominated as Selection Committee Member to select Badminton (Men & Women) teams for the year 2019-20 held at Bandla Bapaiah Hindu College, Vetapalem, during 16 - 18 November 2019.
- Nominated as Manager for the ANU Cricket team to participate in the South India Inter University Cricket tournament, held at University of Mysore, during 28 Nov -11 Dec, 2019.

Dr. M. Sivaramakrishna, Physical Director was nominated for the following positions:

- Nominated as Selection Committee Member to select Cricket (Men) team for the year 2019-20, held at RVR&JCCE, during 08 - 12 November 2019.
- Nominated as Selection Committee Member to select Krishna University Cricket (Men) team for the year 2019-20, held at Andhra Loyola College, Vijayawada, during 23 - 25 November 2019.

ACADEMIC RESULTS 2019

COMPUTER SCIENCE & ENGINEERING

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	181	163	90.06
III/IV B.Tech (I Semester)	205	184	89.76
II/IV B.Tech (III Semester)	188	163	86.70
I/IV B.Tech(I Semester)	193	171	88.60
II/II M.Tech(IV Semester)	15	15	100
I/II M. Tech (II Semester)	17	17	100

ELECTRONICS & COMMUNICATION ENGINEERING

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	207	182	87.92
III/IV B.Tech (I Semester)	211	142	67.29
II/IV B.Tech (III Semester)	195	150	76.92
I/IV B.Tech (I Semester)	192	172	89.58
II/II M.Tech (IV Semester)	9	9	100.00
I/II M. Tech (II Semester)	12	11	91.66

CIVIL ENGINEERING

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	162	133	82.1
III/IV B.Tech (I Semester)	198	121	61.11
II/IV B.Tech (III Semester)	187	97	51.87
I/IV B.Tech(I Semester)	150	94	62.67
II/II M.Tech(IV Semester)	16	16	100
I/II M. Tech (II Semester)	18	13	72.2

ELECTRICAL & ELECTRONICS ENGINEERING

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	192	175	91.14
III/IV B.Tech (I Semester)	197	167	84.77
II/IV B.Tech (III Semester)	190	106	55.78
I/IV B.Tech(I Semester)	147	119	80.95
II/II M.Tech(IV Semester)	15	15	100
I/II M. Tech (II Semester)	9	9	100

MECHANICAL ENGINEERING

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	187	170	90.9
III/IV B.Tech (I Semester)	186	144	77.42
II/IV B.Tech (III Semester)	183	76	41.05
I/IV B.Tech(I Semester)	148	87	58.78
II/II M.Tech(IV Semester)	12	12	100
I/II M. Tech (II Semester)	11	10	90.91

CHEMICAL ENGINEERING

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	52	43	83.69
III/IV B.Tech (I Semester)	64	42	65.62
II/IV B.Tech (III Semester)	63	32	50.79
I/IV B.Tech(I Semester)	52	26	50.00

INFORMATION TECHNOLOGY

Year	Total Appeared	Total Pass	Pass %
IV/IV B.Tech (I Semester)	113	106	93.80
III/IV B.Tech (I Semester)	115	90	78.26
II/IV B.Tech (III Semester)	130	103	79.23
I/IV B.Tech(I Semester)	123	102	82.92
II/II M.Tech(IV Semester)	6	6	100
I/II M. Tech (II Semester)	6	4	66.66

COMPUTER APPLICATIONS

Year	Total Appeared	Total Pass	Pass %
III/III MCA (VI Semester)	90	90	100
III/III MCA (V Semester)	89	86	96.62
I/III MCA(II Semester)	55	24	43.63

MANAGEMENT SCIENCES

Year	Total Appeared	Total Pass	Pass %
I/II MBA(II Semester)	105	85	80.95

Reflections



Dr. Rayapati Srinivas felicitating
Dr. Radha Krishna Krupa Sagar



Dance Performance at Freshers day celebrations



DSP K. Supraja , addressing students on Freshers' Day



Freshers' Day Celebrations



Dr. Amarnath being felicitated on Teachers' Day



Chairman, APSCE , K. Hemachandra Reddy interacting with
students , on Engineers' day



RVR & JC COLLEGE OF ENGINEERING

(AUTONOMOUS)

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