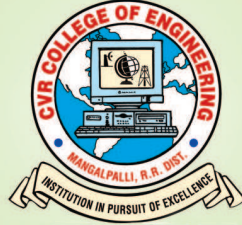


CVR COLLEGE OF ENGINEERING

(An Autonomous Institution)



In Pursuit of Excellence...

Aegle Vista '19

Vol. 19

October – December 2019

Issue.4

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EPL '20



EDITORIAL MESSAGE

Dear Readers,

Welcome to Aegle Vista Vol. 19, Issue 4. This edition of the newsletter covers life in the campus from October to December, 2019. This quarter was a period of somber academic pursuit with most departments hosting workshops, conferences, lectures, arranging field and industrial visits. It was also the end of the semester for first year students and the beginning of the second semester for second and third year students. So the first year students got busy preparing and writing their end semester examinations while their seniors began attending their second semester classes simultaneously.

This sobriety was only briefly interrupted by the Engineering Premier League (EPL) Cricket Tournament, being hosted by the college since last year. The students of many prominent colleges sent their cricket teams, who took part in this sporting event and it was a thrilling experience, watching the various teams battle it out in the ground for the trophy.

Another event that merits a mention is the 'Rurathon' hosted by the college in association with JNTU Hackathon HUB on 27 & 28 December, 2019. The theme for this Hackathon dealt with India's Rural Development. Dr. CH. Subramanyam, Chief Technology Officer, Czar Gaming Pvt. Ltd was the Chief Guest for this event.

An event covering 70 years of governance by the Indian Government " Bharata Rajyangam", was conducted in the college and a video broadcast regarding the same was viewed and discussed by the gathering of faculty members and students.

All in all, this quarter was a learning intensive period with little digression and the atmosphere in the college was of immense commitment towards this objective. The next quarter will see the college host its National Level Tech Fest 'Ciencia' and the Annual Day celebrations and the students are looking forward to it.

The achievements of the college on and off campus are ably led by our Chairman Dr. Raghava V. Cherrabuddi without whose guidance the Institution would not flourish the way it is today.

The team 'Aegle Vista' solicits your valuable suggestions with regards to improving its presentation of the newsletter and will be grateful for receiving the same. Until then..

Ciao! Until we meet again.. !!!

NEW RECRUITMENTS

CVRCE welcomes the following faculty members, who joined the college between October and December, 2019.

S. No	Name of the faculty	Designation	Dept	D.O.J
1.	Dr. M. Krishna Reddy	Professor - Statistics	H & S	03/10/2019
2.	Ms. K. Ragamayee	Asst. Prof	H & S (English)	18/12/2019
3.	Ms. K. Revathi	Asst. Prof	CSE	20/12/2019
4.	Ms. P. Nagarani	Asst. Prof	IT	28/12/2019

FACULTY MEMBERS RELIEVED

The following faculty members have taken relief from the services of the college during October and December, 2019.

S. No	Name of the faculty	Designation	Dept	D.O.J
1.	Prof. Amitava Choudhary	Professor	H & S	31/10/2019

Achievements of the College

1. On the occasion of 34th Indian Engineering Congress organized by the Institution of Engineers (India) of the Telangana State Centre, Our Principal **Dr. K.S. Nayanathara** was unanimously elected as Chairperson of the Women Engineers Empowerment Committee. **Dr. Harivardhagini**, Professor & Head was nominated as a Executive Member of the Women Engineers Empowerment committee. This was the Centenary year of the Institution of Engineers (India). Hearty Congratulations to our Principal Madam and Dr. Harivardhagini!!
2. This committee organized several events like invited talks, poster presentation etc., for girl students and lady faculty members of engineering colleges. Ten women engineers were felicitated on 29 December, 2019 in the Indian Engineering Congress held at Novotel, Hyderabad. Events will be organized all through the year which will include short movie competition, Women's Day Celebrations etc.
3. **Dr. N.V.Rao**, our Dean, Academics has been awarded Life Time Achievement award by IEEE National Body for the distinguished services rendered by him for IEEE. He was felicitated by IEEE in a grand felicitation function.



Dr. Nayanathara KS gets elected as Chairperson , Women Engineers Empowerment Committee at Institute of Engineers



Life Time Achievement Award Bestowed on Dr. N.V. Rao

4. **Ms. Vijaya Mair**, Associate Dean, Corporate Relations was awarded Margadarshak Puraskar a National Award - by ITAP, Impact at Navabharat Nirmaan Award Ceremony at Vijayawada.



Margadarshak Puraskar for Ms. Vijaya Mair

The Institute of Engineers (India), Telangana State Centre Women Engineers Empowerment Committee

The Institute of Engineers (India), Telangana State Centre had formed “Women Engineers Empowerment Committee” to organize events for Girl and Women Engineers during its centenary year, 2019-2020. **Dr. K.S. Nayanathara**, Principal, CVRCE, was appointed the chairperson of this committee.

As part of the centenary celebrations several programmes were organized for girl and women engineers. A Poster Presentation Contest for girl students of engineering colleges was conducted on October 28, 2019 in which 135 students participated and presented 75 posters. **Dr. Sameen Fathima**, Principal, University College of Engineering, Osmania University was the Chief Guest at the event. The winners were awarded cash prizes. Posters were presented on a wide range of topics such as Environment and Climatic Change, Robotics, Industry 4.0, Artificial Intelligence, 5Gcommunications, New Building Materials etc.

Two invited talks were organized by experts in the fields of Medicine and Law on 23 November, 2019. **Dr. Prasanna**, a well-known doctor and Professor delivered a lecture on the health issues pertaining to women. She discussed the precautions working women should take to keep themselves fit to manage work both at home and at workplace. **Ms. Pranati**, a famous lawyer in the city discussed the laws pertaining to the rights of women and protection of women. Both the lectures were received well by an enthusiastic audience with fruitful interactive sessions.

The Women Engineers Meet during the Indian Engineering Congress on 29 December, 2019 started with inviting dignitaries onto the dais. Dr. T.M Gunaraja, President, Dr. G. Rameshwar Rao Chairman, Dr. Nayanathara K.S Chairperson, WEE, ErT Anjaiah, Honorary Secretary and Er. M.Aruna, Joint Secretary were the members who graced the stage. **Dr. Kavitha Daryani Rao**, Vice Chancellor, Jawaharlal Nehru Architecture & Fine arts University was the Chief Guest.

Dr. G. Rameshwar Rao presented the welcome address which was followed by a special address by Dr. T. M. Gunaraja. Dr. Nayanathara K S, Chairperson, WEE, gave a brief report about the Women Engineers’ Empowerment Committee, the events conducted by this committee and its future plan of action to the audience.

The session continued with two invited talks. Dr. Sameen Fathima, retired Principal OU spoke on Challenges of Women Engineers in present times. She explained the everyday struggle of working women in

a humorous manner. She explained that self confidence and hard work are the prime factors that can make a lady strong, efficient and capable. **Dr. J. Roopavathi**, Scientist G. DRDL spoke on the latest technologies used in Defence Projects.

The Chief Guest Dr. Kavitha Daryani Rao, delivered the address about the role of women engineers in today's world. Ten women engineers were felicitated for their immense contributions to the field of engineering. The Engineers were selected from different fields of Engineering like Computer Science and Engineering, Chemical Engineering, Civil Engineering, Mechanical Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering.

A Souvenir which included achievements and reflections of selected women engineers was released to mark this occasion. The event concluded with Vote of Thanks proposed by Er. M.Aruna.

Report on RURATHON – 27th & 28th December-2019

(36 Hours Hackathon)

Jawaharlal Nehru Technological University, Hyderabad has launched a University wide Innovation and R&D initiative J-Hub- JNTUH Innovation Hub, from the academic year 2017-18. Prof. Vijaya Kumari Gunta, is the Director of J-Hub, JNTUH. J-Hub is envisioned to provide a unique platform for the graduating engineers, faculty, research scholars and alumni to pursue innovation, Applied Research and Tech-Entrepreneurship. The University with its strategic position as the largest technological University in the Telangana State believes that the University Innovation Hub would become the focal point for creating technology startup companies. The aim of the J-Hub is to provide technology solutions relevant to the social and economic challenges of the state.

The University has invited Engineering colleges of Telangana to be part of it. So far, twenty six colleges have become members of J-Hub. It is a pleasure to announce to you, our readers, that CVR College of Engineering is one of the twenty six colleges enrolled in it.

J-Hub made it mandatory to conduct a Hackathon in these colleges. In this regard, CVR College of Engineering conducted '**RURATHON**', (**Rural development Theme**), a 36 hours Hackathon (League level) on 27th & 28th December, 2019 in the campus, in association with JHUB – JNTUH. In this Rurathon, 90 teams (each team consisting of 2-4 members) from 13 colleges participated. The total number of participants was 327. Out of 327 participants, a majority of students were from CVRCE (231) and the rest of them were from other colleges. The Chief Guest of the programme was **Dr Ch. Subrahmanyam** , Senior Technical Officer ECIL, General Manager SBU2 Satyam.

The winners of the Rurathon were selected by the jury members drafted by JHUB. The competition had two levels: zonal and state. The selected teams of the colleges would move to Zonal level Hackathon and based on their performance there, subsequently to State level Hackathon, which will be conducted at JHUB. The government will provide seed funding to the selected teams at the State level for their start ups.

The following were the prize winners:

First Prize winners- P Renu, Kandukuri Ratna Prakarsha, Tenneti Srimanth, Rajoli Valli Nikhitta from ECE, CVRCE. They presented the idea of Silicon Farming. This system identified a region where crops can be grown. It could also predict the quality of growth of a selected crop in a selected region under the prevailing conditions there.

Second Prize winners- Garine Akhil & Varagani Hemanth Kumar from IT, CVR College of Engineering. Their idea Farmway worked on updates and the ways to improve farming techniques.

Third Prize winner-L Nishit Reddy, P Dheeraj Reddy, Sai Yuva Teja, Bhogadi Chaitanya from CSE from Vidya Jyothi Institute of Technology. Their idea Monstograin aimed at effective storage of food grains and preventing spoilage in warehouses by using IOT to monitor the surroundings and using automation to make early predictions. It would also send notifications and notify farmers about measures to prevent spoilage of food.

Consolation Prizes:

BVRIT, Hyderabad received a consolation prize for the idea of “Smart Agriculture” and Sri Indu Institute Of Engineering And Technology for the idea of “Rural Development”.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. Gaurav Sharma**, Asst. Prof. published a paper on “**IoT Based Home Security System**”, in the International Journal of Engineering Sciences and Research Technology, Vol. 8 in October, 2019.
2. **Dr. Gaurav Sharma**, Asst. Prof. published a paper on “**Towards the Era of Intelligent Machines: Artificial Intelligence**”, in the Journal of Engineering Sciences, Vol. 10 in October, 2019.
3. **Dr. Gaurav Sharma**, Asst. Prof. published a paper on “**A Review on Data Science Tools**”, in the Journal of Information and Computational Science, Vol. 9 in October, 2019.
4. **Dr. Selvendran S**, Assoc. Prof. published a paper on “**Investigation on Water Level Regulation Using Floating Sensor and Arduino Uno**”, at IOP Conf. Ser: Mater. Sci. Eng. (a conference proceedings journal) (Web of Science and SCOPUS indexed) in November, 2019.
5. **Ms. Padmavathi T**, Sr. Asst. Prof. published a paper on “**Optimal Power Allocation and Capacity Analysis for D2D-Enabled Vehicular Communications**”, in the International Journal of Recent Technology and Engineering (IJRTE) Vol.8 Issue-4 in November, 2019.

Paper Presentation in National / International Conferences

1. **Dr. Yedukondalu Kamatham**, Professor and **Ms. Malleswari Akurati**, Asst. Prof. presented a paper on “**Reduction of PAPR in OFDM using Hybrid SLM-Companding for Future Wireless**

Communications”, in the “IEEE Global Conference for Advancement in Technology-GCAT 2019”, in Bengaluru in October, 2019.

2. **Dr. Yedukondalu Kamatham**, Professor and **Mr. P. Srinivasa Rao**, Assoc. Prof. presented a paper on “**A Novel Algorithm for Analyzing A Local Shape In The 3-D Gray Images**”, in the “ IEEE Global Conference for Advancement in Technology-GCAT 2019”, in Bengaluru in October, 2019.
3. **Dr. Yedukondalu Kamatham**, Professor. presented a paper on “**Implementation of OFDM System with Companding for PAPR Reduction using NI_USRP and LabVIEW**”, in the “5th IEEE WIE Conference on Electrical And Computer Engineering (IEEE WIECON-ECE 2019)”, in Bangalore India, on 15&16 November, 2019 and got the best paper award.

Participation in National / International / Conferences / Seminars / Workshops

1. **Mr. B. Ramesh**, Asst. Prof. participated in a three-day workshop on “**Simulation of Wireless Networks using NS-3**”, organized under Equity Action Plan, TEQIP-III, JNTUH, held at VBIT, Ghatkesar from 24 - 26 October, 2019.
2. **Ms. Malleswari. A**, Asst. Prof. participated in a three-day workshop on “**Research Methodology**”, organized by IEEE SB & Department of ECE, held at CVRCE, Hyderabad from 21-23 October, 2019.
3. **Ms. P. Kavitha**, Assoc. Prof. participated in a three day workshop on “**Recent Advances in Antennas and Microwave Circuits with Applications and Simulation Studies**”, jointly organized by IEEE MTT-Society-USA, IEEE MTT-S, Hyderabad Chapter and IEEE Hyderabad Section at Matrusri Engineering College, Saidabad, Hyderabad from 18 – 20 November, 2019.
4. **Mr. B. Janardhana Rao**, Assoc. Prof. participated in an AICTE Sponsored two week FDP on “**Advances in Signal and Image Processing with Hands-on Training using MATLAB**”, at Geethanjali College of Engineering and Technology, Hyderabad, from 18 – 30 November, 2019.
5. **Mr. G. Ravikumar Reddy**, Asst. Prof. participated in an AICTE sponsored Short Term Training program on “**Embedded Systems in IoT**”, held at G. Narayanamma Institute of Technology & Science, Hyderabad, from 25 – 30 November, 2019.
6. **Ms. T. Esther Rani**, Professor. **Mr. D. Bhanu Prakash**, Assoc. Prof, **Ms. T. Padmavathi**, Sr. Asst. Prof, **Mr. G. Harish Babu** and **Mr. P. Srikanth**, Asst. Profs. participated in an AICTE sponsored two weeks workshop on “**Machine Learning (ML-2019)**”, held at CVR College of Engineering, Hyderabad, from 18– 30 November, 2019.
7. **Mr. Rajagopal. K**, Asst. Prof. participated in a one week FDP on “**Trends in SOC Design and its Applications**”, held at Vasavi College of Engineering Hyderabad from 9-14 December, 2019.

8. **Mr. L. Manjunath**, Assoc. Prof. **Ms. Malleswari. A**, **Ms. M. Santhoshi** **Mr. G. Ravikumar Reddy**, and **Dr. V. Arthi** Asst. Profs. participated in a three day FDP on “**Wireless Sensor Networks and Internet of Things**”, under Equity Action Plan, TEQIP-III, JNTUH, organized by Department of ECE, CVR College of Engineering from 12-14 December, 2019.
9. **Mr. G. Ravi kumar Reddy**, Asst. Prof. participated in a three day Refresher Course on “**8051 Micro Controller**”, organized by Department of ECE, CVR College of Engineering from 2-4 December, 2019.
10. **Mr. L. Manjunath** and **Mr. R. Ganesh** Assoc. Profs. participated in an “**International Symposium on Recent Challenges in Engineering**”, conducted by OUCE, Hyderabad on 21& 22 December, 2019.

Dean, Research, Dr. Lal Kishore Attends the Following Events

1. **Prof. K. Lal Kishore**, Dean Research and Chairman ISTE AP Section participated in the Inaugural Function of “**ISTE State Level Students Convention**”, held at Srividya Niketan Engineering College, Rangampet, Tirupathi on 12 October, 2019.
2. **Prof. K. Lal Kishore**, Dean (Research), delivered a lecture on “**Time Management**”, in the Short Term Programme conducted by the ECE Department on Research Methodology on 1 November, 2019.
3. **Prof. K. Lal Kishore**, Dean (Research), was invited as a Guest of Honour and delivered a lecture in the Inaugural function of two day FDP programme conducted by CSE Department of JNTU College of Engineering, Anantapur, on 23 November, 2019. This programme was conducted under TEQUIP III in collaboration with ISTE AP Section on Digital Pedagogy for Effective Teaching and Learning.
4. **Prof. K. Lal Kishore**, Dean (Research) successfully guided the candidate **Mr. Chilaka Ashok Babu**. Notification for the award of Ph.D. degree for the faculty of ECE was issued by JNTUH on 16 December, 2019. The Dean Research has successfully guided 28 Research Scholars for Ph. D as on date.

Workshops/Conferences/ Guest Lectures Organized:

Workshop on Research Methodology

Dr. K. Yedukondalu, Professor and **Ms. T. Subha Sri Lakshmi**, Asst. Prof. organized a three-day workshop on “**Research Methodology**”, in association with IEEE student branch (IEEE SB) & Department of ECE from 21–23 October, 2019.

As a researcher or practicing engineer, it is important to publish the results of research work. It is not just about career advancements or getting recognition. Publication is a crucial step in the scientific process. Discoveries will foster innovation and help advance technology for public good. But that can happen only if research can be read, understood, and built upon by fellow researchers and engineers. This four-day training

was aimed at learning how to prepare, write and submit manuscripts for review by an IEEE Conference/ Transaction/ Journal/ Magazine and how successful authors structure quality work to improve their chances of being accepted. Practical tips on how to select an appropriate periodical or conference, organize the manuscript, write in a clear and grammatically correct style and work through peer- reviews were discussed. Ways of avoiding common mistakes and ethical lapses that prevent manuscripts from being accepted and damage the reputation of authors were also discussed.

Topics covered in the workshop were:

- How to write Technical Periodicals and Conferences Papers
- Project Proposals (DST, AICTE, CSIR)
- Selection of Journal (including IEEE)
- Manuscript preparation using Latex Template
- Time Management and Research Planning

Report on WSN & IOT Workshop

A three day Faculty Development Program on “**Wireless Sensor Networks and Internet of Things**”, conducted under Equity Action Plan (EAP), TEQIP-III, JNTUH was organized by the Department of ECE, CVR College of Engineering, Ibrahimpatnam. 60 participants attended the FDP out of which 35 were external participants from different colleges and institutes of Telangana, Andhra Pradesh and Karnataka. 15 faculty members from CVR College of Engineering- 5 from EIE, 4 from CSE, 1 from IT, 2 from EEE and 12 from ECE participated in the workshop.

The FDP was inaugurated on 12th of December, 2019 with the lighting of the lamp by Professor **L. C. Siva Reddy**, Vice-Principal CVRCE, **Dr. A. Rajani**, TEQIP-III Coordinator, JNTUH, **Dr. S. V. Srikanth**, Principal Technical officer C-DAC Hyderabad, **Dr. K. Lalithendra**, HoD ECE and the FDP Coordinator **Dr. Humaira Nishat** from CVRCE. This was followed by the prayer song.

Dr. K. Lalithendra, Head, ECE Department, welcomed and addressed the participants. He also gave a glimpse of the activities going on in ECE Department. This was followed by an introduction to the programme by **Dr. Humaira Nishat** who briefed the gathering about the three-day FDP and its importance and requested all the participants to enrich their knowledge.

Faculty Achievements:

1. **Dr. Selvendran S**, Assoc. Prof. was a Resource Person for a “**Research Methodology**”, workshop organized by IEEE CVRCE Student Branch in association with ECE Dept, (Technolites) at CVR College of Engineering, from 30 October - 1 November, 2019.

Students Achievements

Mr. Srimanth Tenneti II Year ECE Student (18B-4N6), **Ms. K. Ratna Prakarsha** (18B-4M2), **Mr. S. Sri Hari** (18B-4N3) and **Ms. K. Sarika** (18B-4M9) designed and built a “**Road Safety Device for Preventing**

Accidents on Highways under Difficult Driving Conditions”, and presented the same at ATMOS 2019 National Techno Fest at BITS Pilani (Hyderabad Campus) and were awarded the second position with a cash prize of Rs. 35000.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. S. Venkateshwarlu**, Professor and **Mr. Phani Kumar KSV**, Asst. Prof. published a paper on **“Integrated Operation of Distributed Resources to Enhance Frequency Regulation in an Isolated Microgrid Environment”**, in the SCOPUS Indexed International Journal of Recent Technology and Engineering, Vol. 8 in October, 2019.
2. **Dr. S. Venkateshwarlu**, Professor and **Mr. Phani Kumar KSV**, Asst. Prof. published a paper on **“Fuzzy Controller Based Reserve Management in Hybrid Microgrid for Frequency Regulation”**, in a SCOPUS Indexed International Journal of Engineering and Advanced Technology, Vol. 9 in October, 2019.
3. **Dr. K. Shashidhar Reddy** and **Dr. M. Lakshmi Swarupa**, Professors. published a paper on **”Application of Zone Selective Interlocking in Electrical Power Distribution Systems”**, in an International Journal of Engineering and Advanced Technology (IJEAT-Scopus Indexed Journal) Vol.9 in December, 2019.
4. **Dr. Dakka Obulesu**, Assoc. Prof. published a paper on **“A Simplified Method of Improving the Power Quality in Power Electronic Circuits, using a Single Pair of IGBTs”**, in the CVR Journal of Science and Technology, Vol.17 in December, 2019.
5. **Dr. M. Lakshmi Swarupa**, Professor and **Ms. R. Naveena Bhargavi**, Assoc. Prof. published a paper on **“Dynamic Performance of a Standalone Self Excited Induction Generator for a Variable Speed Wind Turbine”**, in the CVR journal of Science and Technology, Vol. 17, in December, 2019.

Paper Presentation in National / International Conferences

1. **Ms. Ch. Shravani**, and **Ms. V. Sarada**, Asst. Profs. presented a paper on **“Enhancing Electric Power Quality using UPQC”**, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
2. **Ms. V. Sarada**, and **Ms. Ch. Shravani**, Asst. Profs. presented a paper on **“Digitizing Electrical Systems using Internet of Things - Review”**, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.

3. **Ms. Sowmyasree**, PG scholar and **Ms. Ch. Shravani**, Asst. Prof. presented a paper on “**Parallel Resonant type Fault Current Limiter**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
4. **Dr. R. Vijay**, Assoc. Prof. presented a paper on “**Optimal Scheme and Power Supervision in Shipboard System**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
5. **Mr. M. Naveen Kumar**, PG scholar and **Ms. R. Naveena Bhargavi**, Assoc. Prof. presented a paper on “**A New H-Bridge Hybrid Modular Converter (HBHMC) for HVDC Applications**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
6. **Dr. A. S. S. Murugan**, Assoc. Prof. presented a paper on “**Applications of Fuzzy Logic and Neural Network Controllers Based Maximum Power Point for Solar Photo-Voltaic System**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
7. **Dr. M. Lakshmi Swarupa**, **Dr. G. SreeLakshmi**, Professors and **Ms. K. Deepika**, Asst. Prof. presented a paper on “**Driving Cycles Analysis for Parallel Hybrid Electric Vehicle Using Matlab**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
8. **Mr. G. Manohar**, Assoc. Prof and **Mr. R. Harshavardhan**, Asst. Prof. presented a paper on “**Feasibility Analysis of Solar Photovoltaic Array Configuration under Partial Shading Condition**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
9. **Mr. D. Sreenadh Reddy**, Asst. Prof. presented a paper on “**Control Techniques of DC Microgrid**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
10. **Ms. M. Rajitha** and **Mr. D. Sreenadh Reddy**, Asst. Profs. presented a paper on “**Harmonic and Reactive Power Compensation in a Grid Connected PV System with Source Side Control Technique**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
11. **Mr. G. Manohar**, Assoc. Prof and **Mr. G. Janardhan**, Asst. Prof. presented a paper on “**Transformerless Inverter Topologies for Grid Connected Systems**”, in the 3rd “National Conference on Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.

12. **Mr. G. Janardhan**, Asst. Prof. presented a paper on “**Review Grid Connected PV Systems**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
13. **Mr. G. Manohar**, Assoc. Prof and **Mr. G. Janardhan**, Asst. Prof. presented a paper on “**Voltage Source Converter Based High Voltage Direct Current Transmission: A Review**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
14. **Mr. G. Manohar**, Assoc. Prof. presented a paper on “**Grid Connected Storage System to Profit from Net Metering and Variable Rate Electricity**”, in the 3rd National Conference on “Eco Friendly Innovations and Design Challenges in Electrical Engineering”, organized by CVRCE on 8 & 9 November, 2019.
15. **Ms. G. Divya** Asst. Prof. presented a paper on “**Electric Vehicle Integration with Renewable Energy Sources and Smart Grid**”, in an International Conference on “Power Engineering Computing and Control”, organized by Vellore Institute of Technology, Chennai, from 12 -14 December, 2019.
16. **Ms. G. Divya** Asst. Prof. presented a paper on “**Battery Energy Storage Technologies for Sustainable Electric Vehicles and Grid Applications**”, in an International Conference on “Multifunctional Materials (ICMM-19)”, organized by Geetanjali College of Engineering and Technology, Hyderabad, from 19-21 December, 2019.
17. **Ms. R.Naveena Bhargavi**, Assoc. Prof. presented a paper on “**Transient Stability Improvement using SSSC and STATCOM**”, in an International Conference on “Green Power Technology in Power Grid: Issues, Challenges & Control, ICGPTPG-2019”, organized by Sri Venkateswara University, Tirupathi from 19- 21 December, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. Ch. Shravani**, **Ms. V. Sarada**, and **Ms. G. Divya**, Asst. Profs. participated in a three day workshop on “**Research Methodology**”, organized by IEEE, CVRCE Student Branch in association with ECE Dept. from 30 October - 1 November, 2019.
2. **Ms. K. Deepika**, and **Mr. K.S.V. Phani Kumar**, Asst. Profs. participated in a six day AICTE Sponsored Short Term Training Program on “**Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques**”, organized by Department of EEE, Chaitanya Bharathi Institute of Technology, Hyderabad from 25 – 30 November, 2019.

3. **Ms. M. Rajitha**, Asst. Prof. participated in one day workshop on “**Recent Trends on Renewable Energy Systems and Hybrid Electric Vehicles**”, at the University College of Engineering, Osmania University on 16 November, 2019.
4. **Ms. R. Naveena Bhargavi**, Assoc. Prof and **Ms. Vimala Devi V**, Sr. Asst. Prof. participated in a one week refresher course on “**Applications of AI Techniques in Electrical Engineering**”, conducted by EEE Dept. UCE, Osmania University from 18 – 23 November, 2019.
5. **Ms. G. Divya**, Asst. Prof. participated in a workshop on “**Hybrid Electric Vehicles**”, at BVRIT Narsapur on 30 & 31 December, 2019.
6. **Dr. A. S. S. Murugan**, and **Dr. R. Vijay**, Assoc. Profs. participated in a three day FDP on “**Wireless Sensor Networks and Internet of Things**”, under Equity Action Plan, TEQIP-III, JNTUH organized by Dept. ECE, CVR College of Engineering from 12-14 December, 2019.
7. **Dr. A. S. S. Murugan**, **Mr. B. Kalyana Chakravarthy**, and **Ms. R. Naveena Bhargavi**, Assoc. Profs. **Ms. Vimala Devi V**, Sr. Asst. Prof. **Ms. M. Rajitha**, **Ms. Ch. Shravani**, **Ms. V. Sarada**, **Ms. G. Divya**, **Ms. V. Ch. S. N. Lavanya**, Asst. Profs. participated in one week FDP- “**SPARK 2019**” on “**Hardware Implementation of Power Electronic Converters and Active Filters**”, organized by Dept. EEE, CVR College of Engineering from 2-7 December, 2019.
8. **Ms. M. Rajitha**, Asst. Prof. participated in a one day workshop on “**Recent Trends in Renewable Energy Systems and Hybrid Electric Vehicles**”, organized by EEE Dept. Osmania University on 16 November, 2019.
9. **Dr. R. Vijay**, Assoc. Prof. participated in the final Expert Committee Meeting organized by the Department of Science and Technology at the Indian Institute of Technology, Delhi on 2 & 3 December, 2019.
10. **Mr. G. Manohar**, **Mr. P. Rajesh Kumar**, Assoc. Profs. and **Mr. Rajib Kumar Kar**, Sr. Asst. Prof. participated in a three-day workshop on “**Recent Trends in Green Technologies**”, organized by MVSR College of Engineering, Hyderabad, from 19-22 December, 2019.

Workshops/Conferences/Guest Lecture Organized:

1. EEE Department conducted a technical fest “**FUERZA**” on 25 October, 2019 under the Technical Association “**ELECTROCRUISE**”. 18 events were conducted of which 12 were technical and 6 were non-technical sessions. 10 participants presented papers of which the selected students were awarded a cash prize of Rs/- 1000 each.



Inauguration of Fuerza



Student Participating in the Fest

- EEE Department organized a two day 3rd National Conference on **“Eco-Friendly Innovations & Design Challenges in Electrical Engineering- EFIDCEE-2019”**, on 8 & 9 November, 2019 in association with Indian Society for Technical Education (ISTE). The Conference was chaired by **Dr. S. Venkateshwarlu**. The Convenors of the Conference were Dr. K. Shashidhar Reddy, Dr. M. Lakshmi Swarupa, and Dr. Ch. Lokeshwar Reddy, Professors, EEE dept. The Co-convenors for the Conference were Dr. D. Obulesu, Assoc. Professor and Ms. K. Deepika, Asst. Prof. The Technical Advisory Committee for the conference constituted luminaries from reputed institutes like IITs, NITs, BITS and JNTU.
- EEE Department organized a one week FDP on **“Hardware Implementation of Power Electronic Converters and Active Filters”**, under the brand SPARK (season II) from 2-7 December, 2019. It was a purely hands on session which inculcated a thirst for research among the participants. There were 30 participants of which 22 were from other colleges.



Speaker Addressing the Lecture



Participants in the FDP

Events organized by Dr. G. Sreelakshmi:

Dr. G. Sree Lakshmi, Professor EEE Dept. Chairperson of the **“Women in Engineering Affinity Group”**, IEEE Hyderabad Section organized a second flagship event under WIE, IEEE Hyderabad Section on **“Lalitha Memorial Lecture”** along with WIE AG Decennial Celebrations on 16 December, 2019, at hotel “The Plaza”, Begumpet, Hyderabad. The LML was initiated by her in 2018, as a New Lecture Series in the memory of **“Ayyala Somayajula Lalitha”**, the first woman engineer in India. The vision of this initiation lecture was to minimize the gender gap and provide assistance for the sustainable development of our country in the fields of Science, Technology, Innovation, and Entrepreneurship among woman. The mission of this lecture was to promote, to excel, to motivate young girls towards **STEM**, to make every woman participate and reach her professional goals, to emphasize, to bring the women back into the workforce who drop out in

large numbers mid-career and also to inculcate a “career identity” in strong young minds, which will enable them to handle the demands of their personal and professional lives. The speaker of the second LML talk was **Ms. Durga Rao**, Managing Director, Sulakshana Circuits Limited, who delivered a talk on “**The Challenges of a Woman Technopreneur in the Electronics Manufacturing Sector**”.

Faculty Achievement:

1. **Dr. R. Vijay**, Assoc. Prof. received a Copyright for the research topic “**Quorum Sensing Based Bacterial Swarm Algorithm to Solve Economic Power Dispatch Problem**”, from the Government of India on 14 October, 2019.
2. **Dr. A. S. S. Murugan**, **Dr. M. Vijay** and **Dr. D. Obulesu**, Assoc. Profs. completed two AICTE approved FDP NPTEL courses of 8 weeks duration with Elite Certificates in “**DC Microgrid**” and “**Introduction to Smartgrid**” in October, 2019.
3. **Dr. K. Shashidhar Reddy**, Professor and **Ms. M. Rajitha**, Asst. Prof. completed one NPTEL course of 8 weeks duration with Elite Certificate in “**Electrical Distribution System Analysis**”, in October, 2019.
4. **Mr. M. Rajitha**, Asst. Prof. completed course work on “**Research Methodology**”, conducted by JNTUH from 28 October- 2 November, 2019.
5. **Dr. S. Venkateshwarlu**, Professor and Head, **Mr. G. Manohar**, **Ms. R. Naveena Bhargavi**, **Mr. P. Rajesh Kumar**, Assoc. Profs, **Ms. Vimala Devi V**, Sr. Asst. Prof, **Mr. G. Janardhan**, **Ms. M. Rajitha**, **Ms. Ch. Shravani**, **Ms. K. Deepika**, **Mr. D. Sreenadh Reddy**, **Mr. T. Murali Krishna**, and **Ms. G. Divya**, Asst. Profs. cleared a twelve week NPTEL course on “**Basic Electric Circuits**”, in November, 2019.
6. **Ms. Vimala Devi V**, Sr. Asst. Prof. **Mr. G. Janardhan**, and **Mr. T. Murali Krishna**, Asst. Profs. cleared a twelve week NPTEL course on “**Electrical Machines-I**”, in November, 2019.
7. **Dr. Ch. Lokeshwar Reddy**, Professor. **Mr. G. Manohar**, **Mr. P. Rajesh Kumar**, Assoc. Profs, **Ms. Ch. Shravani**, and **Ms. K. Deepika**, Asst. Profs. cleared a twelve week NPTEL course on “**Fundamentals of Electrical Engineering**”, in November, 2019.
8. **Ms. R. Naveena Bhargavi**, Assoc. Prof. cleared a twelve week NPTEL course on “**Power System Analysis**”, in November, 2019.
9. **Dr. G. Sree Lakshmi**, Professor. completed her Post Doctoral Fellowship (PDF) at RICE, Faculty of Electrical Engineering, University of West Bohemia, Pilsen, Czech Republic for a period of 6 months from June 4- 3 December, 2019 on the topic “**Intelligent Drives and Advanced Machine Control**”.

The Fellowship was supported by Mobility 3.0 Project, which was co-funded by the European Social Fund and the Czech Republic's National budget.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. published a paper on "**Designing of an Efficient Electronic Module for Sensory Network used in Smart City**", in an International Journal of Recent Technology and Engineering (IJRTE), Scopus Indexed and UGC CARE listed journal, in November, 2019.
2. **Mr. G. Venkateswarlu, Mr. P. Choudesh Varma, Mr. K. Uday**, Asst. Profs. published a paper on "**Virtually Transcribed and Restrained Robotic System**", in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
3. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. published a paper on "**An Efficient Approach for Optimization of Nonlinearity Response in Linear Variable Differential Transformer**", in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
4. **Mr. O. Venkata Krishna**, Assoc. Prof. published a paper on "**Design and Implementation of FIR Filter Using Low Power and High Speed Multiplier and Adders**", in the CVR journal of Science and Technology, Vol. 17 in December, 2019.

Paper Presentation in National / International Conferences

1. **Dr. S. Harivardhagini**, Professor and HoD, presented a paper on "**Design of High Sensitive Alcohol Sensor with Vehicle Ignition Disabling System**" in an International Conference on "Multifunctional Materials (ICMM-2019)", Geethanjali College of Engineering and Technology, from 19 - 21 December, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Mr. C. Pramod Kumar**, Asst. Prof. participated in a presentation on the "**Global Education & Careers Forum**", conducted by the government of Telangana in association with India Matters Conference, RUSA, Nampally, Hyderabad on 21 October 2019.
2. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. participated in the AICTE Training and Learning (ATAL) Academy Programme sponsored FDP program on "**AI & Machine Learning for Real Time Applications**", at NIT, Warangal, from 19 - 23 November, 2019.

3. **Dr. B Saidulu**, Assoc. Prof. participated in a one week AICTE Sponsored FDP on “**Computer Aided Design for VLSI**”, at PSG Tech College of Engineering and Technology, Coimbatore, Tamil Nadu, from 11 – 16 November, 2019.
4. **Mr. Venkata Krishna Odugu**, Assoc. Prof and **Ms. R Prameela Devi**, Asst. Prof. participated in a two week AICTE Sponsored FDP on “**Advances in Signal and Image Processing with Hands-on Training using MATLAB**”, at Geethanjali College of Engineering and Technology, Cheeryal, Hyderabad, from 18 - 30 November, 2019.
5. **Ms. R Prameela Devi**, **Mr. P Choudesh Varma**, **Ms. Y Divya**, **Mr. K Uday** and **Mr. C Pramod Kumar**, Asst. Profs, participated in a three day work shop on “**Research Methodology**”, organised by IEEE CVRCE Student Branch in association with ECE Dept. from 30 October - 1 November, 2019.
6. **Ms. Y. Divya** and **Mr. C Pramod Kumar**, Asst. Profs. participated in the AICTE sponsored six days Short Term Training Program (STTP) on “**Research Direction on Green IOT for Smart Environment**”, organized by the Department of Electronics and Instrumentation Engineering, Sri Ramakrishna Engineering College, Coimbatore, from 25 – 30 November, 2019.
7. **Dr. S. Harivardhagini**, Professor and HoD, participated in an FDP on “**Artificial Intelligence**”, organized by UGC-Human Resource Development Centre, JNTUH held from 2 – 6 December, 2019.
8. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. participated in an FDP on “**Artificial Intelligence**”, organized by UGC-Human Resource Development Centre, JNTUH held from 2 - 6 December, 2019.
9. **Dr. S. Harivardhagini**, Professor and HoD, **Dr. Narendra B Mustare**, Professor and **Mr. K. Uday**, Asst. Prof. participated in an International Symposium on “**Recent Challenges in Engineering(ISRCE)**”, organized by Alumni Association, UCE,OU in Association with University College of Engineering, OU, on 21 & 22 December, 2019.
10. **Dr. S. Harivardhagini**, Professor and Head, participated in a Women Empowerment Meet at “34th Indian Engineering Congress”, conducted by The Institution of Engineers on 29 December, 2019.
11. **Dr. B .Saidulu**, **Mr. B. Satish**, Assoc.Profs and **Ms. Y. Divya**, Asst.Prof. participated in a three-day Refresher Course on “**8051 Microcontroller**“, organized by Department of ECE,CVRCE, from 2-4 December, 2019.
12. **Mr. D. Shyam Prasad**, Sr. Asst. Prof and **Mr. K. Uday**, Asst. Prof. participated in an FDP on “**Biomedical Signal Processing**”, organized by the E&ICT Academy at Department of ECE, NIT, Warangal, from 11- 16 December, 2019.
13. **Ms. R. Prameela** and **Ms. V. Sreelatha Reddy**, Asst. Profs. participated in an FDP on “**Wireless Sensor Networks and Internet of Things**”, under Equity Action plan, TEQIP-III,JNTUH, organized by Dept. of ECE, CVRCE from 12-14 December, 2019.

14. **Mr. G. Ventateswarlu**, Asst. Prof. participated in a two day training programme on “**Mitsubishi FA Servo Modules**”, at Mitsubishi FA Division Center, Bangalore on 12 & 13 December, 2019.

15. **Mr. C Pramod Kumar**, Asst. Prof. NSS PO, organized a school teaching program where the students from classes 6th to 10th were taught Basics of Computers and General English concepts by the NSS unit. It was conducted at Zilla Parishad Unnata Patashala, Pattelguda(V), Ibrahimpatnam(M), Ranga Reddy(D), Telangana State on 21 December, 2019.

Departmental Achievements:

1. Industry Oriented Mini Project Expo was organized for IV Year I Sem. students on 24 October, 2019.

2. One day Industrial Visit was organized for II Year I Sem. students to Kwality Photonic & LED Chips Pvt. Ltd, ECIL on 25 October, 2019.



Industrial Visit

3. 20 girl students of II Year I Sem. participated in Poster Presentation Contest organized by EIE Dept. on the occasion of Centenary Celebrations of IEI, organized by Institution of Engineers (India), Telangana State Centre at Visvesvaraya Bhavan, Khairatabad, Hyderabad on 28 October, 2019.



Participants Receiving the Award

4. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. was elected as an active Professional Member of Institute for Engineering Research and Publication (IFERP) in November, 2019.

5. **Dr. B Saidulu**, Assoc. Prof. successfully completed the 12 weeks NPTEL Online FDP course on “**Fundamentals of Electrical Engineering**”, in November, 2019.

6. **Mr. B Satish**, Asst. Prof. successfully completed the 12 weeks NPTEL Online FDP course on “**Digital Circuits**”, in November, 2019.

7. **Mr. Venkata Krishna Odugu**, Assoc. Prof. successfully completed 12 weeks NPTEL Online Certification course on “**Analog Communication**”, in November, 2019.

8. **Mr. P Choudesh Varma**, **Ms. Y. Divya** and **Mr. K. Uday**, Asst. Profs. successfully completed the 12 weeks NPTEL Online FDP course on “**Sensors and Actuators**”, in November, 2019.

Student Activities

1. **Mr. K. V. Naveen, Mr. P. Sandeep and Ms. P. Praneetha** of fourth year attended a two day training programme on “**Mitsubishi FA Servo Modules**”, at Mitsubishi FA Division Center, Bangalore on 12 & 13 December, 2019.
2. **Ms. P. Harini Reddy and Ms. Vanam Kausthuba** of third year participated in a school teaching program where the students from classes 6th to 10th were taught Basics of Computers and General English concepts by the NSS unit. It was conducted at Zilla Parishad Unnata Patashala, Pattelgud(V), Ibrahimpatnam(M), Ranga Reddy(D), Telangana State on 21 December, 2019.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. M. Raghva**, Professor. published and presented a paper on “**Metadata-Based Ontological Framework for Semantic Query in Multilingual Databases**”, in FICTA (2018), 7th International Conference, Springer LNCS- Advances in Intelligent Systems and Computing Danang, Vietnam, in October, 2019.
2. **Dr. K. Venkatesh Sarma**, Professor. published & presented a paper on “**Data Security for Outsourced Cloud Data using HASBE Scheme and RSA Algorithm**”, in an International Conference on Advances in Technology, Management and Sciences (iATMS – 2019), American School of Dubai, Dubai, U.A.E, in October, 2019.
3. **Ms. S.Suguna Mallika**, Assoc. Prof. published a paper on “**MUTWEB- A Testing Tool for Performing Mutation Testing of Java and Servlet Based Web Applications**”, in an International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.8 in October, 2019.
4. **Dr. A. Vani Vatsala**, Professor. published a paper on “**Weather Prediction Model using Recurrent Neural Network**”, in Think India Journal, Vol-22, in November, 2019.
5. **N. Satyanarayana**, Assoc. Prof. and **R. Sahith**, Asst. Prof. published a paper on “**Decision Tree-based Machine Learning Algorithms to Classify Rice Plant Diseases**”, in the International Journal of Innovative Technology and Exploring Engineering (IJITEE) Vol. 9, Issue 1 in November 2019.
6. **Mr. R. Sathya Prakash** and **Mr. S. Srinivas**, Asst. Profs. published a paper on “**Data Representation and Clustering in Sensor Networks using Unsupervised Learning Algorithms**”, in the Journal of Information and Computational Science, Vol. 9 in December, 2019.
7. **Ms. M. Sathya Devi** and **Ms. Ch. Sarada**, Asst. Profs. published a paper on “**Imbalance Big Data Classification Using Feature Selection Under-Sampling**”, in the CVR Journal of Science and Technology, in December, 2019.

8. **Dr. M. Raghava**, Professor. **Mr. V. Dattatreya** and **Mr. B. Ram Babu**, Assoc. Profs. published a paper on **“Hooke and Jeeves Pattern Search Method and Global Optimal Solution”**, in the CVR Journal Of Science And Technology, in December, 2019.
9. **Mr. B. Ram Babu**, Assoc. Prof. presented and published a paper on **“A Hybrid ABC and Harmony Search Algorithm-Based Metaheuristic Approach for Efficient Routing in WSNs”**, in the 4th International Conference on Technical Advancements in Computer Science and Engineering in December, 2019.
10. **Mr. B. Ram Babu**, Assoc. Prof. published a paper on **“Hybrid Artificial Bee Colony and Monarchy Butterfly Optimization Algorithm (HABC-MBOA)-Based Cluster Head Selection for WSNs”**, in the Journal of King Saud University – Computer and Information Sciences, (ESCI, SCOPUS-INDEXED), in December, 2019.
11. **Ms. Dr. D. Durga Bhavani**, Professor. published a paper on **“Dog Breed Identification Using Convolutional Neural Networks on Android”**, in the CVR Journal of Science and Technology, in December, 2019.

Paper Presentation in National / International Conferences

1. **Ms. D. Shanthi**, Asst. Prof. published a paper on **“Machine Learning and its Techniques”**, in the 3rd International Conference on “Multidisciplinary Research Trends in Arts, Science, Engineering and Technology”, at Perambalur, Tamilnadu in December, 2019.

Participation in National / International / Conferences / Seminars /Workshops

1. **Mr. R. Sathya Prakash** and **Ms. M. Vasari**, Asst. Profs. participated in a three day workshop on **“Research Methodology”**, at CVRCE from 30 October - 1 November, 2019.
2. **Ms. P. Madhavi**, and **Ms. Ch. Bhavani**, Asst. Profs. participated in a four day FDP on **“Artificial Neural Networks and Deep Learning”** at JNTUH from 4 - 8 November, 2019.
3. **Ms. P. Madhavi**, and **Ms. Ch. Bhavani**, Asst. Profs. participated in a workshop on **“Data Science”**, at IIIT Kurnool, from 21 – 25 November, 2019.
4. **Dr. A. Vani Vathsala**, Professor. participated in a two week workshop on **“Machine Learning”**, at CVRCE, from 18 – 30 November, 2019.
5. **Ms. M. Sathya Devi** and **Ms. Ch. Sarada**, Asst. Profs. participated in a one week FDP on **“Deep Learning and its Applications”**, at Vasavi College of Engineering from 25 – 30 November, 2019.
6. **Ms. V. N. V. L. S. Swathi**, and **Ms. A. Swathi**, Asst. Profs. participated in a one week FDP on **“Machine Learning in Cloud using Computer Vision Applications”**, at Vardhaman Engineering College from 25 – 30 November, 2019.

7. **Mr. R. Sathya Prakash**, Asst. Prof. participated in a three day Refresher Course on **”8051 Microcontroller”**, organized by Dept of ECE, CVRCE from 2- 4 December, 2019.
8. **Dr. K. Venkatesh Sarma, Dr. A. Vani Vatsala**, Professors **Mr. Ch. Ram Mohan, Dr R Usha Rani, Mr. C. Ramesh, Mr. V. Dattatreya** Assoc. Profs. **Ms. M. Archana, Ms. A Venu Madhavi , Ms. V. Bhavya , Mr. S. Srinivas , Ms. G. Sushma , Mr. R. Sahith , Ms. K. Manasa , Mr. Avinash, Ms. Amaranayani , Ms. A. Swathi , Ms. M. Sathya Devi , Mr. Md. Umar , Ms. U. Jashuva, Ms. Swathi Agarwal , Ms. Ch. Sarada , Ms. G. Swetha** and **Ms. D. Shanthi** Asst. Profs. participated in a one week workshop on **”A Deep Drive on Blockchain Technology and Application Development”**, organized by Dept of CSE, CVRCE from 2- 6 December, 2019.
9. **Dr. K. Venkatesh Sarma**, Professor. participated in a three day FDP on **”Wireless Sensor Networks and Internet of Things”**, at CVRCE from 12-14 December, 2019.
10. **Dr. A.Vani Vatsala** , Professor **Mr. Ch. Ram Mohan, Ms. D. Sandhya Rani**, Assoc. Profs. **Ms. P. Madhavi, Ms. Ch. Bhavani, Ms. VNVLS. Swathi** and **Ms. A. Swathi**, Asst. Profs. participated in a workshop on **”Statistics in Data Science”**, at CVRCE on 7, 14 & 21 December, 2019.
11. **Mr. R. Sahith, Ms. G.Sushma** and **Ms. Swathi Agarwal** , Asst. Profs. participated in a one week FDP on **”Computational Approach in Big Data Analytics Applications”**, at Vasavi College of Engineering from 16 - 21 December, 2019.
12. **Mr. B. Ram Babu** , Assoc. Prof and **Mr. R. Sahith**, Asst. Prof. participated in a one week International workshop on **”Advances In Cloud Computing”**, at Osmania University from 27 - 31 December, 2019.
13. **Dr. D. Durga Bhavani**, Professor. participated in a three day FDP on **”Wireless Sensor Networks and Internet of Things”**, at CVRCE from 12 - 14 December, 2019.

Workshops/Conferences/Guest Lecture Organized:

AICTE – AQIS Sponsored FDP on Machine Learning (ML 2019)

A two week AICTE –AQIS sponsored Faculty Development Programme on **“Machine Learning”**, was organized by Department of Computer Science and Engineering from 18-30 November, 2019. This programme was a combination of theoretical sessions and laboratory demo sessions. The objective of the FDP was to facilitate and empower the teaching community by offering them a complete spectrum of models and methodologies in the area of Machine Learning, gaining hands on experience on real world problems and provoking meaningful research discussions. The FDP covered Supervised, Unsupervised and Reinforcement Learning Algorithms and their implementations. The FDP was attended by faculty members of Computer Science and Engineering, Electronics & Communication Engineering, Electrical Engineering, Civil Engineering and Mathematics.

The expert resource persons who delivered lectures were from IIT-Hyderabad, IIIT-Hyderabad, NIT-Warangal and Indian Institute of Science, Bangalore. It started with an Inaugural function chaired by **Prof. P. Premchand**,

Dean, Informatics, Osmania University as Chief Guest. The following experts delivered lectures in the FDP:

1. **Dr. Lav Kumar**, Asst. Prof. Dept. of Computer Science and Engineering, BITS-Pilani, Hyderabad.
2. **Prof. R. B. V. Subramaniam**, Professor and Head, Dept. of Computer Science and Engineering, National Institute of Technology, Warangal.
3. **Dr. Maunendra Sankar Desarkar**, Asst. Prof. Dept. of Computer Science and Engineering, Indian Institute of Technology, Hyderabad.
4. **Dr. Suryakanth V. Gangashetty**, Asst. Prof. International Institute of Information Technology- Hyderabad.
5. **Dr. Avinash Sharma**, Asst. Prof. International Institute of Information Technology- Hyderabad.
6. **Prof. S G Sanjeevi**, Professor. National Institute of Technology, Warangal.
7. **Prof. Shalabh Bhatnagar**, Professor and Chair, Indian Institute of Science, Bengaluru.
8. **Dr. Kadambari K V**, Asst. Prof. DCSE, National Institute of Technology, Warangal.

In addition to the FDP, a field trip and a visit to IIIT-Hyderabad and INCOIS (Indian National Center for Ocean Information System) were also arranged. The Valedictory session was conducted in the presence of **Prof. K.V. Chalapathy Rao, Retd. Professor, CSE Dept, CVRCE**, as the Chief Guest and Guest of Honor **Dr. V. Kamakshi Prasad**, Director of Evaluation, JNTU-Hyderabad.

FDP on “A Deep Dive into Blockchain Technology and Application Development”

A one week FDP was organized by Department of Computer Science and Engineering on “**A Deep Dive into Blockchain Technology and Application Development**”, from 2-6 December, 2019 coordinated by **Dr. D. Durga Bhavani**, Professor, CSE Department and **Ms. M. Archana**, Asst. Prof. was an organizing committee member. Valuable sessions were conducted on various topics by eminent personalities from e-Security Team, **Ms. G. Jyostna** Joint Director, **Mr. Mahesh U Patil** Joint Director, **Mr. K Ravi Kishore**, Senior Technical Officer, **Mr. Vikas R**, Project Engineer, **Ms. C. Sireesha** Senior Technical Officer, and **Mr. S. Raza**, Project Engineer, C-DAC, Hyderabad.

It was undoubtedly a space for gaining better understanding of the concerned subjects. It promoted professional development in every aspect, in addition to improving various skills that resonates with the faculty’s individual goals, strategic priorities as well as departmental and institutional missions.

Departmental Activities

1. **Mr. S. Srinivas**, Asst. Prof. was the Co-ordinator for Hackathon League organized by CVR College of Engineering in Association with JHUB, JNTUH on 27 & 28 December, 2019
2. **Ms. M. Archana** and **Mr. R. Sathya Prakash**, Asst. Profs. were the Faculty Volunteers in Hackathon League organized by CVR College of Engineering in Association with JHUB, JNTUH on 27 & 28 December, 2019.
3. **Ms. M. Sunitha** and **Mr. Balakrishna**, Assoc. Profs. were the co coordinators for the FDP on “**A Deep Dive into Blockchain Technology and Application Development**”, in CVR College of Engineering, Hyderabad from 2-6 December, 2019.

Faculty Achievements:

1. **Ms. S. Suguna Mallika**, Assoc. Prof. completed her certification on “**Programming in Java**”, “**Accreditation and Outcome Based Learning**” and “**Python for Data Science**”, from NPTEL in November, 2019.
2. **Ms. K. Manasa**, Asst. Prof. completed her certification on “**Operating System Fundamentals**”, from NPTEL in November, 2019.
3. **Ms. V. N. V. L. S. Swathi**, Asst. Prof. completed her certification on “**Computer Networks**”, from NPTEL in November, 2019.
4. **Mr. K. Sujith Kumar**, Asst. Prof. completed his certification on “**Operating System Fundamentals**”, “**Design and Analysis of Algorithms**”, “**Database Management Systems**” and “**Theory of Computation**”, from NPTEL in November, 2019.
5. **Mr. B. Ashwin Kumar**, Asst. Prof. completed his certification on “**Python for Data Science**”, from NPTEL in November, 2019.
6. **Dr. K. Venkatesh Sarma**, Professor. won the Award for Academic Excellence for his extraordinary contribution to Education(Computer Science Engineering), and for the Development of Bharat by **Tejasvi Astitva Foundation**, New Delhi in December, 2019.

DEPARTMENT OF INFORMATION TECHNOLOGY

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. Balaji, G. N**, Asst. Prof. published a paper on “**Detection and Diagnosis of Dilated Cardiomyopathy from the Left Ventricular Parameters in Echocardiogram Sequences**”, in an International Journal of Biomedical Engineering and Technology, Inderscience Publishers (Scopus/ ESCI Indexed) in October, 2019.

2. **Dr. Sengathir Janakiraman**, Assoc. Prof. published a paper on “**An Integrated Principal Component and Reduced Multivariate Data Analysis Technique for Detecting DDoS Attacks in Big data Federated Clouds**”, in a special issue on Machine Learning and Artificial Intelligence for Computing and Networking in the Internet of Things, in an International Journal of Cloud Computing, Inderscience Publishers, in November, 2019.
3. **Dr. Sengathir Janakiraman**, Assoc. Prof. published a paper on “**Efficient Pre-authentication Scheme for Inter-ASN Handover in High Mobility MANET**”, in Wireless Networks, Springer, in November, 2019.
4. **Dr. Sengathir Janakiraman**, Assoc. Prof. published a paper on “**An Intelligent Multi-Floor Indoor Positioning System for Cloud-Based Environment**”, in the International Journal of Computers and Applications, Taylor & Francis, in November, 2019.
5. **Mr. C.V.S Satyamurty**, Assoc. Prof. published a paper on “**Metadata-Based Ontological Framework for Semantic Query in Multilingual Databases**”, in Frontiers in Intelligent Computing: Theory and Applications, Springer, in November, 2019.
6. **Dr. Sengathir Janakiraman**, Assoc. Prof. published a paper on ‘**Hybrid Artificial Bee Colony and Monarchy Butterfly Optimization Algorithm (HABC-MBOA)-Based Cluster Head Selection for WSNs**’, in the Journal of King Saud University-Computer and Information Sciences, Elsevier, (Scopus and ESCI Indexed) in December, 2019.
7. **Dr. Sengathir Janakiraman**, Assoc. Prof. published a paper on ‘**Bayesian Personalized Ranking Based Rank Prediction Scheme (BPR-RPS),’BDCC 2019**”, in 2nd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing, Springer, (Scopus Indexed) in December, 2019.

Participation in National / International / Conferences / Seminars /Workshops

1. **Dr. Balaji, G. N**, Asst Prof. participated in a one week FDP on “**Cyber Security**”, organized by GCES, Trichy from 21- 25 October, 2019.
2. **Dr. S. V. Suryanarayana**, Assoc. Prof. **Dr. Balaji, G. N** and **Mr. Nayani Sateesh**, Asst. Profs. participated in a FDP on “**Data Science for Engineers**”, conducted by NPTEL-AICTE, and completed the course with a consolidated score of 81% , 68% and 78% respectively.
3. **Dr. B. Vikranth**, Professor. participated in a FDP on “**Introduction to Programming in C**”, conducted by NPTEL-AICTE, and completed the course with a consolidated score of 95%.
4. **Dr. Sengathir Janakiraman**, and **Mr. A. Malla Reddy** Assoc. Profs. participated in a four day FDP sponsored by the TEQIP – III on “**Computing Paradigms for Emerging IoT Applications**”, organized by the Department of Information Technology at PSG College of Technology, Coimbatore, Tamilnadu from 4 – 8 November, 2019.

5. **Dr. R Seetharamaiah, Dr. B. Vikrant**, Professors. **Dr. S V Suryanarayana, Mr. C V S Satya Murty, Dr. Rakesh Kumar Godi**, Assoc. Profs. **Dr. G N Balaji** and **Mr. Nayani Sateesh**, Asst. Profs. participated in a two weeks workshop on “**Machine Learning (ML-2019)**”, conducted by CSE Dept at CVRCE, from 18 – 30 November, 2019.
6. **Dr. Sengathir Janakiraman**, Assoc. Prof. participated in an FDP on “**Cloud Computing**”, and completed the course with a consolidated score of 83% conducted by NPTEL-AICTE.
7. **Ms. Yashasree J**, and **Mr. Shaik Akbar**, Asst. Prof. participated in a five day FDP on “**Java Programming**”, initiated by TASK in association with Oracle Academy at Swami Vivekananda Institute of Technology, Secunderabad from 16-20 December, 2019.
8. **Dr. B Vikranth**, Professor. and **Mr. A. Malla Reddy**, Assoc. Prof. participated in a one-week FDP on “**Computational Approach in Big data Analytics Applications**”, conducted at Vasavi College of Engineering in association with Electronics & ICT Academy, NIT Warangal from 16-21 December, 2019.
9. **Dr. Sengathir Janakiraman**, Assoc. Prof. participated in a three day FDP on “**Wireless Sensor Networks and Internet of Things**”, under Equity Action Plan, TEQIP-III, JNTUH organized by Dept. ECE, CVRCE from 12-14 December, 2019.
10. **Ms. Yashasree J** and **Mr. Shaik Akbar**, Asst. Profs. were the Faculty Volunteers in Hackathon League held at CVRCE in association with JHUB JNTUH on 27 & 28 December, 2019.
11. **Mr. C V S Satyamurthy, Mr. A. Malla Reddy**, Assoc. Profs. **Ms. Yashasree J** and **Mr. Bhargav Somisetty**, Asst. Profs. participated in a three day FDP on “**Statistics in Data Science**”, conducted by H&S Department, CVRCE on 7, 14 & 21 December, 2019.
12. **Ms. G. Bhagya Sri, Ms. G. Sunitha Rekha, Ms. M Pratyusha**, Asst. Profs. participated in an International workshop on “**Advances in Cloud Computing**”, organized by Department of CSE, University College of Engineering, OU held under TEQIP-III in association with VSSUT, Burla, Odisha from 27-31 December, 2019.

Workshops Organized:

1. The Department organized a guest lecture on “**Cyber Security**”, for students. 60 participants from 3rd year IT participated in the workshop. The speaker was **Mr. Santosh C**, CEO Supraja Technologies, Vijayawada on 11 December, 2019.
2. The Department organized a National Seminar on “**Demystifying Block Chain Technology**”, with 40 participants from 3rd year IT and CSE Departments. The speaker was **Mr. B. Srivas Raju**, Senior

consultant, MSR technology and Mr. **Rajesh Kumar**, Software Engineer, Tech Mahindra, Hyderabad on 13& 14 December, 2019.

DEPARTMENT OF MECHANICAL ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Mr. P. Srinivas Reddy, Mr. P. Ravi Kumar and Mr. C. Sai Kiran**, Asst. Profs. published a paper on **“Design, Fabrication and Analysis of Thermo Electric Refrigerator”**, in the International Journal of Current Engineering and Technology, Vol. 9, Issue 6 in November, 2019.
2. **Mr. P. Ravi Kumar and Mr. P. Srinivas Reddy**, Asst. Profs. published a paper on **“Experimental Analysis of Liquid Ring Vacuum Pump Cavitation Reduction”**, in the International Journal for Research in Applied Science & Engineering Technology, Vol. 7, Issue 11 in November, 2019.
3. **Mr. Rajesh Kumar**, Asst. Prof. and **Ch. Shalini**, student, CVRCE published a paper on **“Numerical Investigation on Stress and CFD Analysis of Aircraft Wings for Better Performance”**, in the International Journal for Research in Applied Science & Engineering Technology, Vol. 7, Issue 11 in November, 2019.
4. **Mr. Shaik Md. Shareef, Mr. A. L. N. Arun Kumar and Mr. T. Venkatesh**, Asst. Profs. published a paper on **“Failure Analysis and Rectification of Sealing Valve in Blast Furnace”**, in an International Journal For Research & Development in Technology, Vol. 12 in December, 2019.
5. **Mr. Neeraj Kumar Jha**, Assoc. Prof and **Ms. Bhavya Sri T**, Asst. Prof. published a paper on **“Design and Analysis of the Sleeve Ejection System in Injection Molding Die for Trolley Wheel”** in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
6. **Mr. A. Suresh and Mr. Manjeet Kharub**, Asst. Profs. published a paper on **“Energy and Exergy Analysis of a Power Plant and Adoption of OPCAN Power Box for Improving Productivity”**, in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
7. **Mr. C. Sai Kiran**, Asst. Prof. published a paper on **“Design and Analysis of Shock Absorber using ANSYS Workbench”**, in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
8. **Dr. M. Sowjanya**, Professor. published a paper on **“Effect of River Morphology During Flood Water Flow - a CFD Simulation”**, in the 24th Hydro 2019 - International Conference, Osmania University, Hyderabad in December, 2019.

Participation in National / International / Conferences / Seminars / Workshops.

1. **Mr. C. Sai Kiran**, Asst. Prof. participated in a three day workshop organized by IEEE CVRCE student branch in association with Department of Electronics and Communication Engineering in CVRCE, Hyderabad from 30 October - 1 November, 2019.

2. **Mr. Animesh Sinha**, Asst. Prof. participated in an International Conference on “**Innovative Research in Engineering, Applied Science and Management (IC- IREASM- 2019)**”, in Sree Dattha Institute of Engineering and Science, Hyderabad, on 15 & 16 October, 2019.
3. **Ms. M. R. S. Rupa Sri**, Asst. Prof. participated in an FDP on “**Robotics**”, in NPTEL and was certified in October, 2019.
4. **Mr. B. Appala Naidu**, Assoc. Prof. participated in an FDP on “**Manufacturing Automation**”, in NPTEL and was certified in October, 2019.
5. **Mr. V. Rajender Kumar**, Assoc. Prof. **Mr. C. Sai Kiran**, **Ms. N. Ankitha**, **Ms. M. R. S. Rupa Sri** and **Ms. V. Lavanya**, Asst. Profs. participated in a one week FDP on “**LabVIEW & PLC- Mechanical Engineering Perspective**”, jointly organized by the Departments of EIE and Mechanical at CVRCE from 25 – 30 November, 2019.
6. **Mr. C. Sai Kiran** and **Mr. T. Venkatesh**, Asst. Profs. participated in a one week AICTE Training and Learning Academy FDP on “**3D Printing & Design**”, organized by Department of Mechanical Engineering in NIT Warangal from 16-20 December, 2019.
7. **Mr. P. Srinivas Reddy**, Asst. Prof. participated in a short term course on “**Engineering Research Methodology**”, organized by Department of Mechanical Engineering, Osmania University from 9-13 December, 2019.
8. **Mr. P. Srinivas Reddy**, Asst. Prof. participated in an FDP on “**High Accuracy, High Performance Computing of Fluid Flows**”, organized by Department of Mechanical Engineering, Osmania University from 30 December- 3 January, 2020.
9. **Mr. Shaik Imran**, Asst. Prof. participated in an International Symposium on Recent Challenges in Engineering (ISRCE) on “**High Accuracy, High Performance Computing of Fluid Flows**”, organized by Alumni Association, UCE, Osmania University on 21 & 22 December, 2019.
10. **Ms. V. Lavanya**, Asst. Prof. participated in an International Workshop on “**Materials for Energy Conversion and Storage**”, organized by IIT, Tirupathi on 24 & 25 December, 2019.

Workshops/Seminars/Guest Lectures Organized:

A workshop on ANSYS Simulations for Mechanical Engineers

A workshop on “**ANSYS Simulations for Mechanical Engineers**” was organized by Department of Mechanical Engineering on 24 & 25 October, 2019 for IV Year I Semester students. The workshop was inaugurated on 24 March 2019 by **Dr. M. Venkata Ramana**, Head of the Department. He emphasized upon the importance of learning CAD/CAE for employability and higher education.

Different types of analysis in ANSYS Workbench were explained in the initial sessions and in subsequent sessions different analysis like Static Structural Analysis, Transient Thermal Analysis, Modal & Harmonic Analysis, Fluent Analysis and Explicit Dynamic Analysis were explained. The workshop emphasized on hands experience on each module. Dr. Venkata Ramana distributed certificates to the participants in the Valedictory function.

FDP on LabVIEW & PLC- Mechanical Engineering Perspective

An FDP on “**LabVIEW & PLC- Mechanical Engineering Perspective**” was organized by Department of Mechanical Engineering and Department of Electronics & Instrumentation Engineering in collaboration with Mitsubishi Electric India Pvt. Ltd. and National Instruments from 25 to 30 November, 2019. The workshop was inaugurated on 25 November by the Chairman. The Principal of the college, Vice- Principal, Heads and Professors of Mechanical, EIE Department and other departments were present. **Dr. M. Venkata Ramana**, Head, Mechanical Engineering Department delivered the welcome address and **Dr. Harivardhagini**, Head, EIE provided the details about the infrastructure of EIE Department necessary for the FDP. **Dr. Shashidhar Kudari**, Professor, Mechanical Engineering, Associate Dean (Faculty Affairs) and Chief Coordinator of the FDP gave a brief introduction to the FDP. The Inaugural Keynote address was delivered by **Dr. J. John Rozario Jegaraj**, Scientist F, DRDL- HYD and it was followed by his felicitation. **Dr. Narendra Mustare**, Professor, EIE & Chief Coordinator delivered the vote of thanks for this FDP.

In the session, Mr. Rozario Jegaraj gave detailed information about automation in the current industrial sector and how it has simplified jobs. He also mentioned that automation was a threat to human labor or their employment if not employed in a proper manner. He explained about IoT, Flexible Manufacturing and Artificial Intelligence. The six days of the FDP were mainly practice sessions which were organized by experts from Mitsubishi, National Instruments and faculty from EIE Department on LabVIEW and PLC programming. Faculty gained hands- on experience through these sessions.

The valedictory day of the FDP was attended by the Director, Heads of Mechanical & EIE Departments, Professors and faculty members. The certificates of participation were distributed to all the participants.

A Guest Lecture on Nano Structured Multi Component High Entropy Alloys

A guest lecture was organized on 28th December, 2019 on “**Nano Structured Multi Component High Entropy Alloys**”, by **Dr. Pinaki Prasad Bhattacharjee**, Professor, Department of Materials Science and Metallurgical Engineering, IIT Hyderabad. He addressed the students of B. Tech III year and faculty members of Mechanical Engineering and gave valuable points regarding Materials Triangle, Various Manufacturing Processes, Types of Structure, Difference between Conventional Alloys and High Entropy Alloys, Phase Diagrams and Definitions of Yield Strength, Composition Space, Multiple Phases, and Cryo Rolling. He also explained FCC, BCC and Hall- Petch Equation. This lecture was Co-ordinated by **Mr. P. Srinivas Reddy**, Asst. Prof in the Department.

A Guest Lecture on Sustainable Development and Energy Conservation for Sustainable Living

A guest lecture was organized on 20th December, 2019 on “**Sustainable Development and Energy Conservation for Sustainable Living**”, By **Mr. E. Balaiah Santhapuram**, of M. Tech (IITK), FIE, CEO-Trinity Energy Tek Sustainable Solutions. He addressed the students of B. Tech III year and faculty members of Mechanical and EEE Departments and gave valuable points regarding Services of Centre of Plant Engineering, Basics of Power Plant Engineering, Energy Audit in Power Plant, Copes Workshops and information related to various types of Valves used in Power Plants. He also discussed what Sustainability Is, Basic Principles for Sustainable Life, Environmental Sustainability and Energy Act-2001. He further explained the Concept of Global Warming, Green House Gas Effect, Electricity Production and GHG Emissions and Definitions of Energy Conservation, and Energy Efficiency. This lecture was Co-ordinated by **Mr. P. Srinivas Reddy**, Asst. Prof in the Department.

Faculty Achievements:

1. **Ms. M. R. S. Rupa Sri**, Asst. Prof. received Elite Certificate for “**Robotics**”, in NPTEL Faculty Certification Course in October, 2019.
2. **Ms. N. Ankitha**, and **Mr. Mohammed Shareef Shaik**, Asst. Profs. received Elite Certificate for “**Refrigeration and Air Conditioning**”, in NPTEL Faculty Certification Course in October, 2019.
3. **Ms. P. Bhargavi**, Asst. Prof. received Elite Certificate for “**Manufacturing Automation**”, in NPTEL Faculty Certification Course in October, 2019.
4. **Ms. G. Mrudula**, **Mr. B. Appala Naidu** and **Mr. P. Lava Kumar**, Assoc. Profs, **Mr. A. L. N. Arun Kumar** and **Mr. T. Venkatesh**, Asst. Profs. received Elite + Silver Certificate for “**Manufacturing Automation**”, in NPTEL Faculty Certification Course in October, 2019.
5. **Mr. M. Ravi Kumar**, Asst. Prof. received Elite + Gold Certificate for a course on “**Strength of Materials**”, in the NPTEL Faculty Certification Course in November, 2019.
6. **Mr. V. Rahul**, Asst. Prof. received Elite Certificate for a course on “**Fundamentals of Manufacturing Processes**”, in NPTEL Faculty Certification Course in November, 2019.
7. **Mr. G. Bharath Reddy**, Asst. Prof. received Elite + Silver Certificate for a course on “**Fundamentals of Manufacturing Processes**”, in NPTEL Faculty Certification Course in November, 2019.
8. **Mr. K. Kishore Kumar**, Asst. Prof. received Elite Certificate for a course on “**Manufacturing of Composites**”, in NPTEL Faculty Certification Course in November, 2019.

9. **Mr. P. Lava Kumar**, Asst. Prof. received Elite + Silver Certificate for a course on “**Strength of Materials**”, in NPTEL Faculty Certification Course from in November, 2019.
10. **Mr. P. Srinivas Reddy**, Asst. Prof. received Elite Certificate for a course on “**Energy Conservation and Waste Heat Recovery**”, in NPTEL Faculty Certification Course in November, 2019.
11. **Mr. V. Rajender Kumar**, Asst. Prof. received Elite Certificate for a course on “**Applied Thermodynamics for Engineers**” in NPTEL Faculty Certification Course in November, 2019.

Department Achievements:

Consultancy Work

M/s Comsat Systems Pvt. Ltd offered a Consultancy Project worth 5.0 lakhs to the Mechanical Engineering Department for Machining of Antenna Wave Components namely Turnstile Junction, Low Pass Filter, E Plane Bend, Straight Wave Guide and C-band OMT. The work included modeling of components through reverse engineering, design and fabrication of required fixtures, procurement of special tools, generation of CNC Code through Master Cam Software and finally manufacturing the components through CNC-Milling Machine and turning center. The work was completed within the scheduled time and components were handed over to M/s Comsat Systems Pvt Ltd in a function organized on 2 January, The Chairman, Advisor, Director, Principal and Vice Principal of CVRCE, **Mr. John Saripally** Managing Director and his associates from CSPL graced the occasion. **Mr. Srinivas Goud** (Technician), **Mr. Srinivas Reddy** (Machinist) and **Mr. T. Venkatesh**, Asst. Prof. were involved in the project under the guidance of **Dr. M. Venkata Ramana** Professor & Head of the Department. Mechanical Engineering Department records its gratitude to **Mr. CH. V. R. S. Gopala Krishna**, Professor ECE Dept and **Mr. Vishwanath** Professor of ECE Dept. for their valuable guidance. The Department is thankful to the Advisor, Chairman and the Principal and for their constant encouragement.

International Conference and Exposition on Mechanical, Material and Manufacturing Technology -

Brochure Inauguration

The 1st International Conference & Exposition on Mechanical, Material and Manufacturing Technology (ICE3MT) was organized by Department of Mechanical Engineering, CVR College of Engineering 28 December, 2019. This Conference aimed to enhance and promote programme collaboration between industry and researchers and to pave the way for new innovations in mechanical, material and manufacturing technology useful for industrial applications. In addition, this Conference provided ample opportunities for different researchers, engineers, scientists, academicians, students and other delegates from all over the globe to exchange new ideas, research findings and discuss practical challenges encountered and the solutions adopted in the field of Mechanical, Material and Manufacturing Engineering. The conference brochure was formally inaugurated by Chief Guest, **Dr. Pinaki Prasad Bhattacharjee**, Professor, IIT Hyderabad. The Chief Guest, Vice Principal and Head of the Department briefed the gathering about the objectives and scope of the

Conference. Deans, Associate Deans, Heads of various Departments, Professors and staff members of Mechanical Engineering attended this event.

DEPARTMENT OF CIVIL ENGINEERING
ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Mr. B. Jagadeesh**, Asst. Prof. and **Mohd. Abdul Aqib Farhan**, M. Tech student, published a paper on “**Seismic Analysis of Multistoried RCC Buildings Regular and Irregular in Plan**”, in the International Journal of Engineering Research & Technology, Vol. 8, Issue 11 in November, 2019.
2. **Dr. M. V. Seshagiri Rao**, Professor and **Md. Pasha Junead**, M. Tech student of Civil Dept. published a paper on “**Strength and Durability Studies on Steel Fibre Reinforced Self Compacting Concrete**”, in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
3. **Dr. T. Muralidhara Rao**, Professor. published a paper on “**Self-Cured High Strength Concrete- An experimental Study**”, in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
4. **Dr. N. Muralikrishna** Professor and **Ms A Shruthi** Asst. Prof. published a paper on “**Role of Liquid Tuned Mass Dampers in Improving Torsional Competence of Asymmetric Buildings**”, in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
5. **Mr. P. Yashwanth**, Assoc. Prof. published a paper on “**How Sustainable is Conventional Building?**” in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
6. **Ms. J. Sandhya Rani** Asst. Prof and **Ms. M. Sai Ramya** M. Tech student of Civil Dept. published a paper on “**Seismic Analysis of RC Elevated Rectangular Water Tank Using Various Staging Patterns**”, in the CVR Journal of Science and Technology, Vol. 17 in December, 2019.
7. **Mr. B Jagadeesh** Asst. Prof. and **Mr. Gokul Akshay Yadav**, M. Tech. student of Civil Dept. and **Dr. G. Rajesh Kumar**, Professor. Civil Engg. Dept. NIT Warangal published a paper on “**A Study on Seismic Analysis of Steel Buildings with Different Bracing Systems**”, in the Journal of Engineering Analysis and Design, Vol. 1 in December, 2019.

Paper Presentation in National / International Conferences

1. **Mr. M. Ashok Kumar** and **Mr. B. Ramanjaneyulu**, Asst Profs. presented a paper on “**Effect of Rubber Crumbs on the Strength of Clayey Soil**”, in the “**Young Researchers Symposium on Geotechnical Engineering 2019**”, organized by Geotechnical Engineering Division, Department of Civil Engineering, National Institute of Technology, in Warangal on 1 & 2 October, 2019.

2. **Mr. B. Ramanjaneyulu** Asst. Prof. presented a paper on “**The Enhancement of FSI Dry Sensitivity and Shear Strength of BC Soil by Incorporation of Flyash and Plastic**”, in the “Young Researchers Symposium on Geotechnical Engineering 2019”, organized by Geotechnical Engineering Division, Department of Civil Engineering, National Institute of Technology, in Warangal on 1 & 2 October, 2019.
3. **Dr. B. N. M. Rao** Professor. presented a paper on “**Fuzzy Decision Support System for Site Selection of Water Harvesting Structures**”, in an International Conference on “Hydraulics, Water Resources and Coastal Engineering”, organized by Department of Civil Engineering, Osmania University, Hyderabad from 18-20 December, 2019.
4. **Mr. B. Jagadeesh** Asst. Prof. presented a paper on “**Effect of Metakaolin and Micro Silica on Strength Characteristics of Standard Grades of Self-Compacting Concrete**”, in a CSIR sponsored International Conference on “Advances in Materials Research”, on 6 & 7 December, 2019.
5. **Mr. T. Sai Keertan** and **Mr. B. Jagadeesh** Asst. Profs. presented a paper on “**Experimental Investigation on Improving Properties of Concrete with OPC as Geopolymer Binder**”, in a CSIR sponsored International Conference on “Advances in Materials Research”, on 6 & 7 December, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Mr. M. R. Rajagopal**, Assoc. Prof and **Mr. N. Ramanjaneyulu**, Asst. Prof. participated in a six day AICTE sponsored short term course on “**Advanced Concrete Technology**”, organized by Department of Civil Engineering, IIT Madras, Chennai, from 18 – 23 November, 2019.
2. **Mr. M. Ashok**, Asst. Prof. participated in a five day FDP on “**Practical Training on Geosynthetics and Special Concrete**”, organized by Department of Civil Engineering, SRM University, Chennai, from 18 – 22 November, 2019.
3. **Mr. K Ravi Chandra Reddy**, Asst. Prof. participated in a three day workshop on “**Indo-Australian Integrated Urban Management Systems**”, organized by Department of Civil, IIT Kharagpur, from 4 – 7 November, 2019.
4. **Mr. K N V Chandrasekhar**, Asst. Prof. participated in a five day GIAN Course on “**Isogeometric Analysis Basic and Advanced Applications**”, organized by Department of Mechanical Engineering, NIT Warangal, from 11 – 15 November, 2019.
5. **Mr. P. Yashwanth**, Assoc. Prof. participated in a two day training programme on “**GRIHA Green Building Rating Systems**”, organized by Energy and Resource Institute, Bangalore, on 7 & 8 November, 2019.
6. **Mr. A. Vamshi Chaitanya**, Assoc. Prof. participated in an AICTE sponsored two weeks workshop on “**Machine Learning**”, organized by Department of CSE, CVRCE from 18 – 30 November, 2019.

7. **Mr. P Yashwanth**, Assoc. Prof. participated in a five day TEQIP Sponsored short term course on “**Sustainable Engineering to Address Food-Energy-Water Nexus**”, organized by Department of Chemical Engineering, IIT Mumbai from 9 -13 December, 2019.
8. **Mr. S Praveen**, Asst. Prof. participated in a six day AICTE sponsored course on “**Modelling and Control of Traffic under Mixed Conditions**”, organized by Department of Civil Engineering, IIT Madras, Chennai from 2 - 7 December, 2019.
9. **Mr. K Mahesh**, Asst. Prof. participated in a GIAN Course on “**Design and Construction of Sustainable Concrete Pavement**”, organized by Department of Civil Engg, IIT Madras from 4- 7 December, 2019.
10. **Mr. B Ramanjaneyulu** Asst. Prof. participated in a five day short term course on “**Raising Awareness on Laboratory Soil Testing for Better Teaching and Practice to the Young Faculty**”, organized by Department of Civil Engineering, JNTUH, Hyderabad from 9 - 14 December, 2019.

Faculty Achievements:

1. **Mr. B. Jagadeesh**, Asst. Prof. completed NPTEL course on “**Matrix Method of Structural Analysis**”, with Elite Grade in October, 2019.
2. **Mr. M. Ashok Kumar**, Asst. Prof. completed NPTEL course & AICTE approved FDP course on “**Geosynthetics Testing Laboratory**”, with Elite Grade in October, 2019.
3. **Mr. P. Ramakrishna**, Asst. Prof. completed NPTEL course on “**GPS Surveying**”, in October, 2019.
4. **Dr. K. Madhusudhan Reddy**, Professor. was a resource person in a workshop on “**Geo-Practices (2019)**”, organized by Department of Civil Engineering, JNTUH, Hyderabad, on 23 November , 2019.
5. **Dr. B. Naga Malleswara Rao**, Professor. successfully completed an NPTEL Course on “**Accreditation and Outcome Based Learning**”, with Grade of “Elite + Gold” in November, 2019.
6. **Mr. N. Ramanjaneyulu**, Asst. Prof. successfully completed an NPTEL Course on “**Design of Steel Structures**”, in November, 2019.
7. **Mr. T. Sai Keertan**, Asst. Prof. successfully completed an NPTEL Course on “**Design of Reinforced Concrete Structures**”, with ‘Elite Grade’ in November, 2019.
8. **Mr. T. SaiKeertan**, Asst. Prof. successfully completed an NPTEL Course on “**Strength of Materials**”, with ‘Elite Grade’ in November, 2019.

9. **Mr. T. Manoj**, Asst. Prof. successfully completed an NPTEL Course on “**Design of Reinforced Concrete Structures**”, with Grade of “Elite + Gold” in November, 2019.
10. **Mr. T. Manoj**, Asst. Prof. successfully completed an NPTEL Course on “**Structural Analysis-I**”, with Grade of “Elite + Gold” in November, 2019.
11. **Mr. S. Praveen Kumar** and **Mr. P. Rama Krishna**, Asst. Profs. successfully completed an NPTEL Course on “**GPS Surveying**”, in November, 2019.
12. **Mr. P. Yashwanth**, Assoc. Prof. successfully completed an NPTEL Course on “**Sustainable Materials and Green Buildings**”, in November, 2019.
13. **Ms. J. Sandhya Rani**, Asst. Prof. successfully completed NPTEL Course on “**Structural Analysis-I**”, with ‘Elite Grade’ in November, 2019.
14. **Ms. G. Sharanya**, Asst. Prof. successfully completed NPTEL Course on “**Concrete Technology**” and “**Advanced Concrete Technology**”, in November, 2019.
15. **Mr. B. Jagadeesh**, Asst. Prof. successfully completed an NPTEL Course on “**Design of Reinforced Concrete Structures**”, with Grade of ‘Elite + Gold’ in November, 2019.
16. **Mr. B. Jagadeesh**, Asst. Prof. successfully completed an NPTEL Course on “**Strength of Materials**”, with ‘Elite Grade’ in November, 2019.
17. **Mr. B. Jagadeesh**, Asst. Prof. successfully completed an NPTEL Course on “**Structural Dynamics for Civil Engineers-SDOF Systems**”, in November, 2019.
18. **Ms. G. Sharanya**, Asst. Prof. successfully completed NPTEL course on “**Academic Writing**”, with Elite Grade in November, 2019.

Students Achievement:

1. **Mr. Sai Praneeth** II Year B. Tech. student participated as the delegate of Saudi Arabia in the Security Council at “**BITSMUN 2019**”, organized by Department of Civil Engineering, in BITS, Hyderabad from 18- 20 October, 2019.
2. **Mr. Vignesh** II Year B. Tech student secured **first prize** in the Paper Presentation as a part of “**TECHSHASTRA 2K19**”, organized by Department of Information Technology, CVR College of Engineering, Hyderabad, on 25 October, 2019.

3. **Mr. Akula Vignesh** II Year B. Tech student participated in the All India Seminar on “**Digital Technologies In Surveying, Mapping & Applications**”, organized by Telangana State Centre, The Institution of Engineers (India), Hyderabad on 15 & 16 October, 2019.
4. **Ms. Pavitra, Mr. Siri Chandan Reddy and Mr. U. Praveen** II Yr B. Tech students participated and were placed “ Second” at “ **Bridge IT**”, held at AETHER, The Annual Techno Cultural Fest of Mahindra Ecole Centrale, held on 9 & 10, November, 2019.

Second Prize Winning Team:

Mr. Siri Chandan Reddy
 Ms. Shreeshma
 Ms. Vinuthana
 Mr. Uday Kiran Reddy

Participants:

Mr. Shashi Kiran
 Ms. Pavithra
 Mr. Praveen
 Mr. Rajesh

DEPARTMENT OF HUMANITIES AND SCIENCE

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Ms. K Bhanu Rekha** Assoc. Prof. of English presented and published a paper on “ **Modern Approaches, Methods and Materials of Teaching English Language**”, in a two day International Conference on Language, Literature and Linguistics, at Maria Rani Center, Thiruvananthapuram, Kerala, organized by Department of English, Malankar Catholic College, Mariagiri, Kanaya kumari, Tamil Nadu on 3&4 October, 2019.
2. **Ms. S. Shabeena Banu**, Asst. Prof. of English presented and published a paper on “ **Using Authentic Content to Enhance the English Language Skills**”, in a two day International Conference on Language, Literature and Linguistics at Maria Rani Center, Thiruvananthapuram, Kerala, organized by Department of English, Malankar Catholic College, Mariagiri, Kanaya kumari, Tamil Nadu on 3&4 October, 2019.
3. **Ms. Jaya Verma** Asst. Prof. of English presented and published a paper on “ **Resources of Teachers**”, in a book on Advances in Visual Communication, Library Sciences & Translation Studies in World Literature in Andhra Loyala College, Vijayawada, compiled and published by IMRF International Publishing House & International Multidisciplinary Research Foundation, India on 24 & 25 October, 2019.
4. **Ms. Kalpana Barathi** Asst. Prof. of English presented and published a paper on “ **Listening: Skill as the Need of the Hour for Engineering Students**”, in a book on Advances in Visual Communication, Library Sciences & Translation Studies in World Literature compiled in Andhra Loyala College, Vijayawada and published by IMRF international Publishing House & International Multidisciplinary Research Foundation, India on 24& 25 October, 2019.

5. **Dr. Vanishree Sah**, Assoc. Prof. of Management Science published a paper on **“Influence of Neuro Marketing on Marketing Inputs”**, in the Journal of Composition Theory, Vol. XII in October, 2019.
6. **Mr. G. Narender**, Asst. Prof. of Mathematics published a paper on **“Stagnation Point Flow through a Porous Medium towards Stretching Surface in the Presence of Heat Generation “**, in the International Journal of Engineering and Advanced Technology, Vol. 9 in October, 2019.
7. **Ms. Harika Putta**, Asst. Prof. of Management Science published a paper on **“Andhra Pradesh Broadband Infrastructure Project Phase-I- A Case Study”**, in a Journal of Mechanics of Continua and Mathematical Sciences, Vol. 14 in October, 2019.
8. **Ms. Asifa Tazeem. P**, Asst. Prof. in Management Science, published a paper on **“Opportunities and Challenges for Small Brands with Social Media Influences”**, in the International Journal of Advanced Research in Science and Engineering, Vol. 8, in November, 2019.
9. **Dr. G. Sreedhar Sarma**, Assoc. Prof and **Mr. G. Narender**, Asst. Prof. of Mathematics, published a paper on **“ The Impact of Radiation Effect on Mhd Stagnation-Point Flow of a Nano Fluid Over an Exponentially Stretching Sheet in the Presence of Chemical Rreaction”**, in an International Journal of Applied Mechanics and Engineering, Vol. 24, in December,2019.

Paper Presentation in National / International Conferences

1. **Ms. Jaya Verma** Asst. Prof. of English, presented a paper on **“Phonetics for Students of Technical Courses”**, in National PhonConf 2019, “National Conference on Phonetics: Theoretical Underpinnings and Research Explorations”, organized by The English and Foreign Languages University, Hyderabad, on 19 & 20 November, 2019.
2. **Dr. E. Uma Reddy**, Assoc. Prof. in Management Science, presented a paper on **“Operations Management and Financial Performance of Micro Finance Institutions in India”**, in a two day National Seminar on “Digital Innovations in Indian Microfinance Sector”, at the Centre for Financial Inclusion & Entrepreneurship, National Institute of Rural Development (NIRD) Hyderabad, on 1 & 2 November, 2019.
3. **Dr. P. Vanishree Sah**, Assoc. Prof. in Management Science presented a paper on **“A Study on Agri Start-Ups In India”**, in a one day International Conference on “Recent Innovation in Engineering, Science and Management (RIESM-19)”, at Osmania University, Centre for International Program, Osmania University Campus, on 23 November, 2019.
4. **Ms. Lalitha. S**, Asst. Prof. in Management Science, presented a paper on **“E- Commerce: Emerging Penultimate to Ultimate through Digitalization in India”**, in a one day International Conference on “Recent Innovation in Engineering, Science and Management (RIESM-19)”, at Osmania University Centre for International Program, Osmania University Campus, on 23 November, 2019.

5. **Mr. Hussain Basha**, Asst. Prof. in Chemistry, presented a poster in a three day National Conference on “**Andhra Pradesh Science Congress-2019**” (APSC-2019)”, at Dr. B. R. Ambedkar University, Srikakulam, from 28 - 30 November, 2019.
6. **Ms. Vanitha Singireddy**, Assoc. Prof. of English, presented a paper on “**English Language in the Era of Globalisation**”, in an International Conference on “Impact of Digitization on Language, Business & Social Sciences 2019”, organized by IMRF (Institute of Higher Education & Research), India in collaboration with St. Pious X Degree & P.G. College for Women, at St. Pious X Degree College for Women, Hyderabad on 6 & 7 December, 2019.
7. **Dr. Sankara Rao Yadam**, Asst Prof. of Physics, presented a paper on “ **Electrical and Thermal Transport Study of $Fe_{1-x}Cr_xSi$** ”, in a three day International Conference on “Multifunctional Materials”, organized by Geethanjali College of Engineering and Technology, Hyderabad, from 19 – 21 December, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. Kalavati Mallaiah**, Assoc. Prof. of English participated and received a certificate from a three-day workshop on “**Master Class for IELTS Trainers Workshop**”, organized by British Council of India, Mumbai, from 10-12 October, 2019.
2. **Ms. Richa Dheer**, Asst. Prof. of English, participated in a two day National Conference on “**Phonetics: Theoretical Underpinnings and Research Explorations**”, organized by The English and Foreign Languages University, Hyderabad, on 19 & 20 November, 2019.
3. **Dr. M. S. Bhat**, Professor Emeritus, in Management Science participated in a two day Expert Committee Meeting at U.P.S.C. New Delhi on 22 & 23 November, 2019.
4. **Mr. P. V. S. H. Sastry**, Assoc. Prof. in Management Science participated in a National Seminar on “**Emerging Trends in Business Management - Opportunities & Challenges**”, organised by Department of Business Management St. Joseph’s P. G. College in collaboration with Indian Council of Social Science Research (ICSSR), Hyderabad, on 30 November, 2019.
5. **Ms. P. Asifa Tazeem**, and **Ms. Lalitha S**, Asst. Profs. of Management Science, participated in a three day workshop on “**Research Methodology in Commerce**”, sponsored by ICSSR-SRC, organized by Department of Commerce, Osmania University, Hyderabad, from 5 - 7 December, 2019.
6. **Dr. Vanishree Sah**, Assoc. Prof. of Management Science, participated in a one day National Conference on “**ICC MSME Linkages 2019**”, organized by Indian Chamber of Commerce in collaboration with MSAME, Hyderabad on 12 December, 2019.
7. **Dr. K T Padma Priya**, Asst. Prof. of Environmental Studies, participated in a three day XIV Triennial National Conference of Indian Women Scientist Association on “**Women Led Science, Technology and Innovation**”, organized by ICMR-National Institute of Nutrition, Hyderabad from 11-13 December, 2019 .

8. **Ms. Vanitha Singireddy** and **Ms. K Bhanu Rekha**, Assoc. Profs. of English, participated in a two day Teacher Support Program on - BEC (Business English Communication) organized by TASK (Telangana Academy for Skills and Knowledge), Secunderabad on 13 & 14 December, 2019.
9. **Ms. S. Indira**, **Ms. V.V.L. Deepthi**, Asst. Profs. of Mathematics and **Mr. A. Sailaja**, Asst. Prof. of Statistics, participated in a three day FDP on “**Statistics in Data Science**”, organized by H&S Department at CVR College of Engineering on 7, 14 & 21 December, 2019.
10. **Mr. V. Suryanarayana**, Asst. Prof. of Physics, **Mr. Hussain Basha**, Asst. Prof. of Chemistry and **Ms. Prathiba Alfunsu**, Asst. Prof. of Mathematics, participated in a three day FDP on “**Student Induction**”, organized by All India Council for Technical Education (AICTE) at G. Pulla Reddy Engineering College, Kurnool from 19-21 December, 2019.
11. **Mr. A. Sailaja** and **Ms. V. Swapna**, Asst. Profs. of Statistics, participated in a two day National Conference on “**Data Science - A Statistical Perspective**”, at Osmania University, Hyderabad on 27 & 28 December, 2019.
12. **Ms. S. Indira**, **Ms. V.V.L. Deepthi** and **Ms. Prathiba Alfunsu**, Asst. Profs. of Mathematics, participated in a five day FDP on “**High Accuracy, High Performance Computing of Fluid Flows**”, at Osmania University from 30 December 2019 - 3 January 2020.

Workshop / Conferences/Guest Lecture Organized:

Workshop organized by Faculty of Mathematics:

A two day workshop on “**Computational Fluid Dynamics with Mathematica**”, under TEQIP-III (JNTUH), was organized by the Department of H&S on 13 & 14 December, 2019. The main objective of the workshop was to introduce the concepts of Computational Fluid Dynamics and solving the research problems using Mathematica Software, so that faculty members get a thorough understanding of how to design and pursue research on the same. The following subject experts were invited to deliver lectures on topics mentioned against their names.

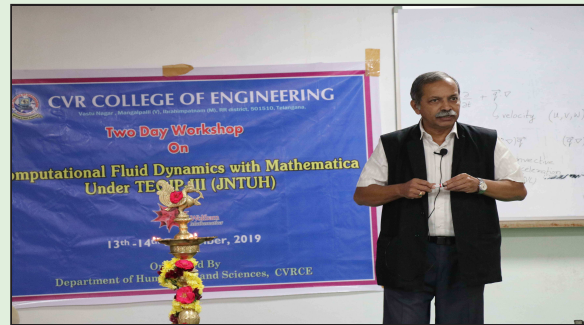
Date	Name of the Resource Person	Topic for the Lecture
13 Dec, 2019	1. Prof. P.G. Siddeshwar , Bengaluru University	Basics of Computational Fluid Dynamics
	2. Dr. Kanchana Chinnaswamy, Shenzhen, China	Mathematical methods for Fluid Dynamics
	3. Dr. N. Vamshi Krishna, GITAM University	Introduction to Mathematica Software with hands on session
14 Dec, 2019	1. Prof. P.G. Siddeshwar , Bengaluru University	Computational Fluid Dynamics
	2. Dr. N. Vamshi Krishna, GITAM University	Hands on session on Mathematical software

The Total Number of Participants: 52 (External – 29; Internal – 23)

The participants of this workshop were of the opinion that it was a very useful workshop as it was directly related to their research area and more events of this kind would benefit the research community immensely.



Participants at the Workshop



Dr. Siddeshwar Delivering the Lecture

Faculty Development Program on Statistics in Data Science:

A three day Faculty Development Program on “**Statistics in Data Science**”, was organized by Department of Humanities and Sciences (Statistics), CVRCE on 7, 14 and 21 Dec, 2019. **Dr. M. Krishna Reddy**, Professor of Statistics was the Coordinator of the FDP. **Dr. M. Venu Gopal Rao**, GM, Just Smart Mandate, Hyderabad and Dr. M. Krishna Reddy, Professor of Statistics, CVRCE, delivered the lectures. The topics covered were Probability, Probability Distributions, Regression, Logistic Regression, and Statistics in Machine Learning, The Art of Visualization, Classification, Clustering and Dimensional Reduction.



Participants Attending the Workshop

Faculty Achievements:

1. **Mr. Surya Narayana**, Asst. Prof. of Physics completed an 8 week NPTEL course (August- September 2019), on “**Solar Photovoltaics Fundamentals, Technology and Applications**”, with a consolidated score of 69%, conducted by National Program on Technology Enhanced Learning (NPTEL) in October, 2019.
2. **Dr. M. Chandra Sekhar**, Asst. Professor of Physics, completed an 8-week NPTEL course on “**Fundamentals and Applications of Dielectric Ceramics**”, with consolidated score of 67% conducted by National Program on Technology Enhanced Learning (NPTEL) in December, 2019.

Club Activities:

Elocution Competition

On 13 October, 2019 an elocution competition was conducted for 1st year students. The topic of the elocution was “**Making Indian Engineers World Class**”. The elocution was judged by Ms. Jyotsana Kumari, Ms. Kalpana Bharathi and Dr. Jaya Verma. The event was coordinated by Ms. Keerthan Nemli (ECE 4th year), Mr. Tarun Bhargav (IT) and Dr. Jaya Verma. The winner of the event was Siddhartha Linga (CSIT 1st year). The winner, along with one more second year student Mr. Anurag, was sent to ARCI for an elocution competition.

EXAM TOPPERS

Results of B.Tech IV Year I Sem (16 Batch) Main Exams held in November, 2019

Academic Year 2019 - 2020

BRANCH - ECE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A0486	POREDDY MANOJ REDDY	1	10.00
2	16B81A04J4	BANDARU SHRAVAN KUMAR	2	10.00
3	16B81A04N9	VENKATA SAIRAM UPPULURI	3	10.00

BRANCH - EEE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A0299	VUKKUSILA SREE PRANAV	1	10.00
2	16B81A0209	AKHILA SEEKA	2	9.88
3	16B81A0239	PERALA MANOGRYA	3	9.88

BRANCH - EIE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A1013	KRITHI REDDY S	1	9.88
2	16B81A1044	PISATI SANDEEP REDDY	2	9.88
3	16B81A1049	KONTHAM SOWMYA	3	9.88

BRANCH - EIE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A1013	KRITHI REDDY S	1	9.88
2	16B81A1044	PISATI SANDEEP REDDY	2	9.88
3	16B81A1049	KONTHAM SOWMYA	3	9.88

BRANCH - CSE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A05A6	MALLEBOINA MADHAVI	1	9.75
2	16B81A0570	PALAPARTHI HEMALATHA CAROLIN	2	9.63
3	16B81A05P9	PULLELA SONY	3	9.63

BRANCH - IT

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A1229	YATA HARSHITHA	1	9.38
2	16B81A1295	RENIKUNTLA SIDDHARTHA	2	9.29
3	16B81A1263	KOTNAKAL RISHAB DESAI	3	9.25

BRANCH - MECH

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A03F7	DOMA SAI VARUN REDDY	1	10.00
2	16B81A03M1	DANGUDUBIYYAM UMA KOUSALYA	2	10.00
3	16B81A03L8	KETHAVATH TEJASVI SANJAY	3	10.00

BRANCH - CIVIL

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	16B81A0118	GOKUL GAYATRI	1	10.00
2	16B81A0189	MAKKAPATI SHARAN	2	10.00
3	16B81A0163	GUMMUDAVELLY PRUDHVI	3	10.00

EXAM TOPPERS

Results of B.Tech III Year I Sem (17 Batch) Main Exams held in November, 2019

Academic Year 2019 - 2020

BRANCH - ECE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A0466	GANJAM KARTHIK	1	10.00
2	17B81A0483	CHARAGONDLA MANASWINI	2	10.00
3	17B81A0457	MADANU JAYARAJ	3	10.00

BRANCH - EEE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A0252	B PRANATHI	1	9.96
2	17B81A02B2	A VISHNU	2	9.96
3	17B81A0243	SUDINI MOUNIKA	3	9.96

BRANCH - EIE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A1041	MACHA SAI SREEJA	1	10.00
2	17B81A1038	NANDIGAMA SAI CHANDANA	2	10.00
3	17B81A1003	PEDDAKONREDDY AMARNATH REDDY	3	9.96

BRANCH - CSE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A0594	TUMMALAPELLE KEERTHI REDDY	1	10.00
2	17B81A05B6	KATIKE MOUNIKA	2	10.00
3	17B81A05U2	KAITHEPALLI VARSHITHA	3	10.00

BRANCH - IT

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A1260	CHINTHA SAI SPOORTHI	1	9.96
2	17B81A1207	GUTHA AKSHARA REDDY	2	9.79
3	17B81A1259	DESIREDDY SAI SANKEERTHANA	3	9.63

BRANCH - MECH

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A03J9	DOOPUKUNTLA SMITHA	1	10.00
2	17B81A03P0	CHANDA VENKATESH	2	10.00
3	17B81A03N6	VENKATA KOWSHIK KATRADA	3	10.00

BRANCH - CIVIL

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A0157	MUNUGALA PRAVEEN KUMAR	1	9.96
2	17B81A01A4	MADGULA VAMSHI	2	9.79
3	17B81A0174	CHAMUTURI SAI SATYA PRASANTH	3	9.79

EXAM TOPPERS

Results of B. Tech II Year I Sem (18 Batch) Main Exams held in December, 2019

Academic Year 2019 - 2020

BRANCH - ECE

S. No	Hallticket No	Name of the Candidate	RANK	SGP
1	18B81A04H8	KOLISETTY VENKATA SIVA SREENIJA	1	10.00
2	18B81A04H9	KOGURU VITTAL PREETHAM	2	10.00
3	18B81A04E5	CHAKKA MALLIKA	3	9.85

BRANCH - EEE

S. No	Hallticket No	Name of the Candidate	RANK	SGP
1	18B81A0278	SHATHARAJU MOUNIKA	1	9.68
2	18B81A0295	KURUMADDALA SHIVAKUMAR	2	9.65
3	18B81A02A3	VAKITI SRAVANI	3	9.65

BRANCH - EIE

S. No	Hallticket No	Name of the Candidate	RANK	SGP
1	18B81A1039	DANDA PRANATHI	1	9.60
2	18B81A1048	POTTABATHINI SHIVANI	2	9.23
3	18B81A1012	KOTU HARIKA	3	9.03

BRANCH - CSE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	18B81A05P9	YOGESH MALLA	1	9.85
2	18B81A05V7	SRIMANTHULA VEENA NAGA SAI	2	9.70
3	18B81A0526	SARABU RAVALI	3	9.70

BRANCH - IT

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	17B81A1260	CHINTHA SAI SPOORTHI	1	9.96
2	17B81A1207	GUTHA AKSHARA REDDY	2	9.79
3	17B81A1259	DESIREDDY SAI SANKEERTHANA	3	9.63

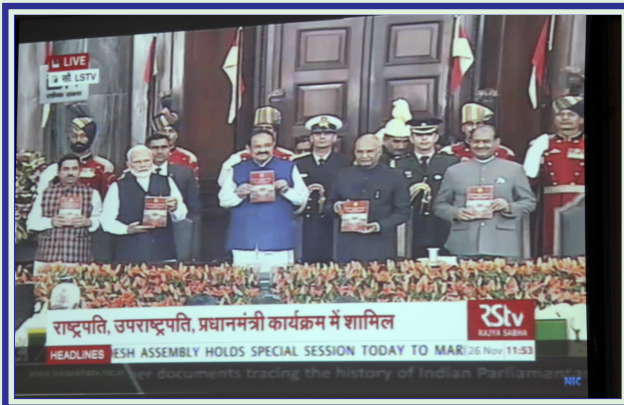
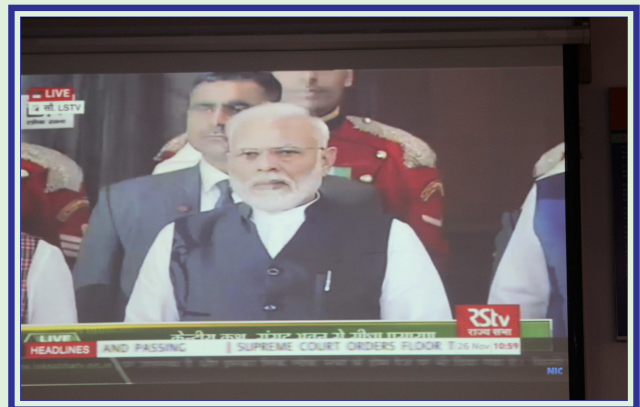
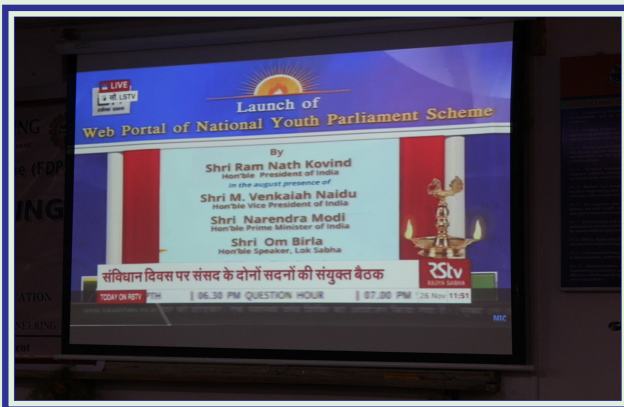
BRANCH - MECH

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	18B81A0312	HITESH CHOUDHARY	1	9.47
2	18B81A0302	K ABHAY KUMAR	2	9.26
3	18B81A03P2	NAGIDI SRI HARSHA	3	9.26

BRANCH - CIVIL

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	18B81A0120	UDIGIRI PRAVEEEN	1	9.75
2	18B81A0140	PEESARA SANDHYA	2	9.73
3	18B81A0193	ESLAVATH NIRMALA	3	9.70

BHARATA RAJYANGAM



SPORTS AT CVRCE



RURATHON '20

