

CVR COLLEGE OF ENGINEERING

(An Autonomous Institution)



In Pursuit of Excellence....

Aegle Vista '19

Vol. 19

April – June 2019

Issue. 2

Dr. RAGHAVA. V. CHERABUDDI
PRESIDENT & CHAIRMAN

Dr. K. RAMA SASTRI
DIRECTOR

Dr. K. S. NAYANATHARA
PRINCIPAL

CHIEF EDITOR
Ms. B. BHAWANI

EDITOR
Ms. RICHA DHEER
Ms. K. BHANUREKHA

EDITORIAL BOARD

Dr. G. Bhikshmaiah
Ms. Vijaya Mair
Ms. Malleshwari
Ms. Vimala Devi
Ms. Y. Divya
Ms. M. Sunitha
Ms. J. Yashasree
Ms. Vanyashree
Mr. B. Jagadeesh
Ms. Lalitha
Ms. M. Jyothi

TECHNICAL ADVISOR
Mr. K. Brahmanand

TECHNICAL SUPPORT
Mr. CH. Gangadhar

PHOTOGRAPHS
Mr. G. Vijay Kumar



GRADUATION DAY



EDITORIAL MESSAGE

Dear Readers,

Welcome to Aegle Vista, Vol.19, Issue. 2 covering the activities in the college from April to June' 19. April, May and June are months that come towards the closure of the academic year. So events that celebrate the year that went by and the achievements in this period are recalled and the happiness that it brought the institution, are revisited.

Graduation Day, wherein the college lauds its gold medalists and graduands was celebrated on 22 June, 2019. Over a thousand students received their B. Tech degrees that day. Ms. Aishwarya won two gold medals for her commendable performance in her academics. She was adjudged the Overall Topper among all braches with the highest aggregate of marks in the end semester examinations. The Chief Guests, the Chairman, the Principal, the Heads of the various departments and Professors gave away the certificates to the graduates.

With the academic year drawing to a close, a solemn resolve set in among the students who got busy with preparing for the end semester examinations. The college went on summer vacation all through the month of May and re opened in June, 2019. The college endeavours to attend to its future tasks with renewed strength and zeal as a new academic year is set to commence. The college is abuzz with plans regarding the Induction Programme being planned for the first year students, who will be joining the college shortly.

Follow us for more exciting news from CVRCE in the academic year 2019-20. Until then..

Happy reading!!

NEW RECRUITMENTS

CVRCE welcomes the following faculty members, who joined the college between April and June, 2019.

S. No	Name of the faculty	Designation	Dept	D.O.J
1	Mr. Avinash Amaranayani	Asst. Prof	CSE	7/6/2019
2	Mr. Sivanagaraju Akki	Asst. Prof	H & S	7/6/2019
3	Ms. Harika Putta	Asst. Prof	H & S	13/6/2019

FACULTY MEMBERS RELIEVED

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

S. No	Name of the faculty	Designation	Dept	Relieved on
1.	Dr. M. Goverdhan	Asst. Prof	H & S	08/01/2019
1.	Dr. Jayalakshmi	Asst. Prof.	H & S	30/4/2019
2.	Ms.P. Divya	Asst. Prof.	Civil	30/4/2019
3.	Mr. M. Srinivas	Asst. Prof.	IT	30/4/2019
4.	Ms. J. Sruthi	Asst. Prof.	Mech	30/4/2019
5.	Dr. Sadguna Nuli	Assoc. Prof	Civil	02/05/2019
6.	Mr. N. Guruvaiah	Asst. Prof	H & S	3/06/2019
7.	Ms. P. Saritha	Asst. Prof	H & S	15/6/2019
8.	Dr. P. Arul Nehru	Asst. Prof	H & S	17/6/2019
9.	Dr. B.K. Patle	Assoc. Prof	Mech	30/6/2019
10.	Ms. V. Yashodha	Asst. Prof	Civil	30/6/2019

Accreditation by NBA

Based on the Compliance Report submitted followed by Inspection by NBA, B.Tech (EEE) & B. Tech (ECE) are accredited by NBA for three more years; from 2019-20 to 2021 - 2022. Congratulations to the faculty and the students of the two departments!!

GRADUATION DAY 2019

CVR College of Engineering celebrated its Graduation Day for the 15th batch of students, 5th batch after autonomy and 1st batch of the CBCS system on 22nd June 2019. It was a moment of excitement and elation for the graduands.

The ceremony was conducted in the forenoon and afternoon sessions, to accommodate the students of the seven branches of graduating engineers. Students of ECE, IT and Mechanical engineering branches received their certificates in the forenoon session whereas students of Civil, CSE, EEE and EIE branches received the certificates in the afternoon session. The programme commenced in the forenoon session with the customary prayer song after which the Principal, CVRCE, **Dr. K. S.Nayanathara** welcomed the Chief Guest **Dr. Anant Amrutlal Naik**, Chief Executive Officer GAETEC, and the gathering. The Chairman, CVRCE, **Dr. Raghava Cherabuddi** introduced the Chief Guest to the gathering. Speaking on the occasion, Dr.Naik congratulated the students, faculty and the college. He emphasized on the role of students in nation building and urged them to work towards upholding national integrity and make the country corruption free. He applauded the parents for their sacrifices. Further, he encouraged students to emerge as entrepreneurs and consider achievements as milestones in their journey towards success.

Dr. Virendra Tiwari, Director, CSIR- NGRI, was honoured as the Chief Guest of the afternoon session. Dr. Tiwari in his address to students, encouraged them with his motivational ideas. He advised students to take up a career which gives them internal satisfaction. He said that contentment contributes to making a harmonious society. He also emphasized upon students, the value of active participation in solving the problems of the society. He congratulated the meritorious students along with other graduands for their achievements.

In his speech, the Chairman, Dr. Raghava congratulated the students for winning prizes in Smart India Hackathon and announced cash prizes matching the amount they had won in the competition.

The Dean, Academics, CVRCE, Dr. N.V. Rao presented the highlights of the graduating batch and said 1552 students cleared the B. Tech course this year. 96% of the students passed with distinction in the course. 54 open electives were offered.



Academic Procession on its Way



Chairman Addresses the Gathering



Dr.Naik Addressing the Gathering



Dr. Tiwari on the Occasion

The Principal, Dr. K.S. Nayanathara administered the oath and made the students take a vow that they would work with integrity and would dedicate their services to the nation. The students who excelled in their academics were honored with gold medals and cash prizes by the college and the Chief Guest awarded the gold medals to them. The Chairman, Principal and the Heads of the various departments distributed the certificates to the graduating students. The programme ended with the national anthem.

The day ended with a lavish lunch hosted by the college for the graduates, their parents, faculty and other staff members to celebrate the joyous event. All in all, it was a day the students would cherish in their memories for a long time to come.

MANAGEMENTS' MAGNANIMITY

BEST GIRL STUDENT SCORING HIGHEST AGGREGATE MARKS IN B.TECH AMONG ALL THE BRANCHES

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A0408	AISHWARYA	9.99	First Class With Distinction

STUDENT SCORING THE HIGHEST AGGREGATE IN B.TECH IN ECE BRANCH

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A0408	AISHWARYA	9.99	First Class With Distinction

SMT. KAMALA CHERABUDDI MEMORIAL GOLD MEDAL AND CASH AWARD FOR OVER ALL TOPPER OF THE COLLEGE IN B.TECH

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A02A3	PASUPULETI SRIRAM	10	First Class With Distinction

AWARD TO TOPPER OF M.TECH AMONG ALL BRANCHES

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D4904	VALLAPU MAHESH	9.98	First Class With Distinction

**AWARDS TO THE TOPPERS SCORING HIGHEST AGGREGATE MARKS IN EACH M.TECH
SPECIALIZATION**

M.Tech: COMPUTER SCIENCE & ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D5818	MUPPU PRATHYUSHA	9.93	First Class With Distinction

M.Tech: ELECTRICAL POWER ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D4906	G PAVAN KUMAR	9.97	First Class With Distinction

M.Tech: EMBEDDED SYSTEMS

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D5508	SATLAPALLY LAXMI NARASIMHA GOUD	9.90	First Class With Distinction

M.Tech: STRUCTURAL ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D2022	DHANYAM RAJU VENKATA TANUJA	9.86	First Class With Distinction

M.Tech: VLSI SYSTEM DESIGN

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D5719	PALLE SREEJA	9.97	First Class With Distinction

M.Tech: WIRELESS & MOBILE COMMUNICATIONS

S No.	HT No.	Name of the Candidate	CGPA	Division
1	16B81D6508	MANGI RUPAVATHI	9.97	First Class With Distinction

**AWARDS TO THE TOPPERS OF EACH BRANCH OF B.TECH OTHER THAN THOSE WHO
WON GOLD MEDALS**

BRANCH - CIVIL ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A0112	ASHISH KUMAR TIWARI	9.96	First Class With Distinction

BRANCH - ELECTRICAL & ELECTRONICS ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A0297	POTLAPALLY SHIVA KUMAR REDDY	9.96	First Class With Distinction

BRANCH - MECHANICAL ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A03B3	YALAMATI PRASHANTH	9.97	First Class With Distinction

BRANCH - ELECTRONICS & COMMUNICATION ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A04G9	DANDE SHIVA KUMAR	9.9	First Class With Distinction

BRANCH - COMPUTER SCIENCE & ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A05N9	LAGISHETTI SOWMYASREE	9.91	First Class With Distinction

BRANCH - ELECTRONICS & INSTRUMENTATION ENGINEERING

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A1042	PARSA SAI PRASAD	9.76	First Class With Distinction

BRANCH - INFORMATION TECHNOLOGY

S No.	HT No.	Name of the Candidate	CGPA	Division
1	15B81A1295	VANDANAPU SOWMYA	9.93	First Class With Distinction

**Dr. CHUKKA RAMAIAH GOLD MEDAL FOR TOPPER IN MATHEMATICS & STATISTICS
(MATHEMATICS-I, MATHEMATICS-II, COMPUTATIONAL MATHEMATICS,
MATHEMATICS-III /
PROBABILITY & STATISTICS COURSES) IN B.TECH**

S No.	HT No.	Name of the Candidate	% Secured
1	15B81A1295	VANDANAPU SOWMYA	98.5

INTERNATIONAL DAY FOR PREVENTION OF DRUG ABUSE AND ILLICIT TRAFFICKING

The International Day against Drug Abuse and Illicit Trafficking is a day propounded by United Nations in order to fight against substance abuse as well as the unlawful trade of drugs. It is observed annually on 26 June all across the globe by millions of people. This day is a significant expression of strengthening action and boosting the cooperation worldwide to achieve the goal of an international society which is free of drug abuse.

Drug abuse or drug addiction is a psychiatric, social and psychological problem that not only affects the youth of the entire world but affects a cross section of people across all age groups. It ruins individuals and the society - socially, physically, culturally, emotionally and economically.

The day is observed in every school and college around the world. District Sessions Court of Ibrahimpatnam in collaboration with Police Department organized a programme for the students of CVR College of Engineering on 24 June, 2019 to raise awareness on the major problems that illicit drugs represent in society.

Hon'ble Judge, District Legal Service Authority **Secretary Mr. B. Uday Kumar**, Hon'ble Principal Junior Civil Judge and Mandal Legal Authority Chairman, **Ms. P. Padmavathi**, General Secretary BAR Association, Ibrahimpatnam and Legal Aid Council **Mr. P. Ramulu**, **Mr. M. Srinivasa Reddy**, Senior Advocate and Circle Inspector of Police **Mr. A.Guruva Reddy** visited the college on this occasion. The Principal of CVR College of Engineering **Dr.Nayanathara** and the Dean Academics **Dr.N.V.Rao** also graced the occasion. Initially, the students were encouraged to speak about drug abuse. Later,

all the dignitaries on the dais spoke on the occasion. The speakers cited various cases of drunk driving, and drug abuse where youngsters are nipping their lives in the bud and also causing harm to the public. They addressed the



The Programme Begins



The Police Address the Students



Presentation of Mementos

challenges of illegal drugs and expressed concern over the growing use of drugs by the youth. Students were being lured into drug use and drug trafficking by anti-social elements.

The Principal thanked the speakers for taking the responsibility of protecting the youth from the drug menace and urged the students to follow the advice of the speakers. Later the Principal and the Dean felicitated the speakers. It was followed by the presentation of mementos to the students who spoke on the occasion. The Dean Dr. N.V. Rao proposed the vote of thanks and the programme ended with the national anthem.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals:

1. **Dr. Selvendran. S**, Assoc. Prof. of ECE Dept. published a paper on “**Cross Polarization Modulation-Based Wavelength Conversion with very Low Pump Power in SOA: An Investigation**”, in **Optik (Elsevier)**, Vol. 185 in April, 2019.
2. **Ms. T. Padmavathi**, Sr. Asst. Prof. of ECE Dept. published a paper on “**Chirp-Z Transform Based Pilot Estimation for 2X2 MIMO-Alamouti Systems**”, in an International Journal on Recent Technology and Engineering (IJRTE) Vol. 8 in May, 2019.
3. **Dr. Selvendran S**, Assoc. Prof. of ECE Dept. published a paper on “**Certain Investigation on Visible Light Communication with OFDM Modulated White LED using Opti system Simulation**”, in **Wireless Personal Communication (Springer)**, on 18 May, 2019.
4. **Dr. Selvendran. S**, Assoc. Prof of ECE Dept. published a paper on “**Performance Investigation on Optical Wavelength Conversion Using A Newly Designed Highly Nonlinear Fiber with Ultra Flattened Dispersion**”, in the Journal of Quantum Electronics (IOP science) (Published in both English and Russian) , Vol. 49, Issue. 6 in June, 2019.
5. **Ms. Malleswari. A**, Asst. Prof of ECE Dept. published a paper on “**ASIC Implementation of Various Sorting Techniques for Image Processing Applications**”, in the CVR Journal of Science & Technology, Vol. 16 in June, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. P. Kavitha**, Assoc. Prof. of ECE Dept. participated in a one day seminar on “**Machine Learning, Deep Phased Array Radar Modelling and Simulation**”, by NIAWR, USA & INDIA on 10 April, 2019.
2. **Mr. L. Manjunath**, Assoc Prof and **Mr. R. Prakash Kumar**, Asst. Prof of ECE Dept. participated in a one week Faculty Development Programme on “**5G Wireless Communications**”, held at NIT Warangal, from 29 May – 03 June, 2019.

Faculty Achievements:

1. **Dr. Selvendran S**, Assoc. Prof of ECE Dept. filed a patent on “**Fiber Bragg Grating Based Non-Zero Dispersion Shifted Fiber for Novel Ultra High Negative Dispersion Compensator**”, in March, 2018.

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

1. **Prof. K. Lal Kishore**, Dean (Research), chaired the Selection Committee Meetings of **Recruitment and Assessment Board (RAB)** of DRDO at New Delhi from 22 - 24 April, 2019.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ERUDITION OF KNOWLEDGE

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. Ch. Shravani** and **Ms. M. Rajitha**, Asst. Profs of EEE Dept. participated in a six day Faculty Development Program on “**Integration of Renewable Energy Sources**”, organized by E & ICT Academy, NIT Warangal from 3 – 8 June, 2019.
2. **Ms. K. Deepika** and **Mr. K. S. V. Phani Kumar**, Asst. Profs of EEE Dept. participated in a six day FDP on “**Recent Trends in Power Electronics Applications in Smart Grid, Electric Vehicles and Renewable Energy**”, organized by Department of Electrical Engineering, NIT Warangal sponsored by E&ICT Academy, NIT Warangal (MeitY, GOI) from 17 – 22 June, 2019.
3. **Dr. S. Venkateshwarlu**, Professor and Head of EEE Dept. participated in a three week workshop on Technical Leadership Development Program on “**AICTE-UKIERI**”, conducted by AICTE at NEHU, Shillong, Meghalaya in three parts: 13 -17 November, 2018, 20-23 February, 2019 and 11 -13 June, 2019.

Workshops/Conferences Organized:

The Department of EEE organized a one week Faculty Development Program on “**Design and Hardware Implementation of Inverters**”, from 22-27 April, 2019. Of the 19 faculty members who attended the FDP, 12 were external participants. A team of 11 students volunteered in the smooth conduct of this programme.

The programme provided training on: PCB Design using Proteus, PCB Layout by Etching / Machine Production, PCB Fabrication, Working with DSP – (Texas Instruments controllers – 28069, 28335), Solving a Technical Paper & Hardware Implementation. The Program was chaired by **Dr. G. Sree Lakshmi** Professor, Dept of EEE. The coordinators of the FDP were: **Mr. P. Vinodh Kumar**, Associate Professor and **Mr. T. Murali Krishna**, Assistant Professor, CVRCE.



Faculty and Student Volunteers at the FDP

The list of faculty members who attended the SPARK FDP form EEE department were:

1. **Ms. R. Naveena Bhargavi**, Assoc. Prof.
2. **Ms. Vimala Devi V**, Sr. Asst. Prof.
3. **Mr. G. Janardhan**, Asst. Prof.
4. **Ms. Ch. Shravani**, Asst. Prof.
5. **Mr. D. Sreenadh Reddy**, Asst. Prof.
6. **Ms. M. Rajitha**, Asst. Prof.
7. **Ms. V. Sarada**, Asst. Prof.



Participants in the FDP

Faculty Achievements:

Dr. R. Vijay, Assoc. Prof of EEE Dept. delivered a motivational speech on the topic “**Branches of Engineering in India and its Scope**”, at the Youth Bharath Program-All India Radio, Chennai on 5 June, 2019.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Mr. B. Satish**, Assoc. Prof. of EIE Dept. published a paper on “**Design and Implementation of Energy Efficient SAR Analog to Digital Converter**”, in the Scopus Indexed International Journal of Recent Technology and Engineering Vol. 8 in May, 2019.
2. **Mr. O. Venkata Krishna**, Assoc. Prof of EIE Dept. published a paper on “**Implementation of Low Power and Memory Efficient 2D FIR Filter Architecture**”, in the International Journal of Recent Technology and Engineering (IJRTE)’, Vol.8 in May, 2019.
3. **Mr. Shyam Prasad Devulapalli**, Sr. Asst of EIE Dept. published a paper on “**Eye-Blink Artifact Removal of EEG Signal using EMD**”, in the International Journal of Recent Technology and Engineering (IJRTE), Vol.8 in May, 2019.
4. **Dr. S. Harivardhagini**, HOD and Professor of EIE Dept. published a paper on “**LabVIEW Based Level Control of Coupled Tank System**”, in the CVR Journal of Science & Technology, Vol.16 in June, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Dr. B. Saidulu**, Assoc. Prof. of EIE Dept. participated in a one week Faculty Development Program on “**DNA of Mixed Signal IC Design for Portable Systems**”, organized by ICT Academy in the Department of ECE, at NIT Warangal from 20 - 25 May, 2019.

2. **Mr. G. Venkateswarlu** and **Ms. V. Sreelatha Reddy**, Asst. Profs. of EIE Dept. participated in a two day training program on “**AC DRIVES**”, organized by Mitsubishi Electric India Pvt. Ltd. at MEI Hyderabad on 6 & 7 May, 2019.
3. **Mr. G. Venkateswarlu** and **Mr. C. Pramod Kumar** Asst. Profs. of EIE Dept. participated in a two day training program on “**Servo (MR-JE & J4)**”, organized by Mitsubishi Electric India Pvt. Ltd, at MEI Hyderabad from 22 & 24 May, 2019.
4. **Mr. G. Venkateswarlu**, and **Mr. C. Pramod Kumar** Asst. Profs of EIE Dept. participated in a two day training programme on “**SCADA for MC Works 32**”, organized by Mitsubishi Electric India Pvt. Ltd , at Mitsubishi Electric India Factory Automation Division, Hyderabad on 18 & 19 June, 2019.

Workshops Conducted by Department:

1. **Dr. B. Saidulu** and **Mr. B. Satish** , Assoc. Profs of EIE Dept. participated in a one day workshop on “**Matlab Expo 2019**”, at Novotel , Hyderabad on 30 April, 2019.

NSS Activities

1. **Mr. C. Pramod Kumar**, Asst. Prof and NSS Program Officer of EIE Dept. organized a programme on “**Path Guidance and Stationary Donation**”, in three Govt schools (Zilla Parishad Unnatha Patashala, Patelguda(V), Ibrahimpatnam(M), RR(D), Govt Primary School, Mangalpally (V), Ibrahimpatnam (M), RR(D) and Anganvadi Centre, Mangalpally (V), Ibrahimpatnam (M), RR(D).
2. **Mr. C. Pramod Kumar** also organized a free Medical Health Camp at Pocharam village on 28 June, 2019.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals:

1. **Dr. M. Raghava** and **Dr. D. Sasikala**, Professors of CSE Dept. published a paper on “**An Analysis of Various Pattern Searching Techniques and Implementation of It**”, in a Journal of Emerging Technologies and Innovative Research, Vol. 6 in April, 2019.
2. **Dr. D. Sasikala**, Professor of CSE Dept. published a paper on “**Analysis, Review, and Pre-Engineering Omni Directional Vision Of Imageries Using Spherical Convolutional Neural Networks**”, in the Journal of Emerging Technologies and Innovative Research, Vol. 6 in April, 2019.

3. **Dr. D. Sasikala**, Professor of CSE Dept. published a paper on “**Review and Advancement of Automation Testing with Integrated Frameworks**”, in the Journal of Emerging Technologies and Innovative Research, Vol. 6 in April, 2019.
4. **Dr. D. Sasikala**, Professor of CSE Dept. published a paper on “**Preliminary Investigation on Prediction, Management and Prevention of Diseases Using Healthcare Systems Through Big**”, in the Journal of Emerging Technologies and Innovative Research, Vol. 6 in April, 2019.
5. **Dr. R. Usha Rani**, Assoc. Prof of CSE Dept. published a paper on “**Detecting Rumors in Social Networks using SVM and Comparing with Supervised Techniques**”, in the International Journal of Research, Vol 6, Issue. 7 in June, 2019.
6. **Mr. Ch. Ram Mohan**, Assoc. Prof of CSE Dept. published a paper on “**Reputation-Based Secure Routing Protocol in Mobile Ad-Hoc Network using Jaya Cuckoo Optimization**”, in the International Journal of Modeling, Simulation, and Scientific Computing”, Vol 10, Issue. 03 in June, 2019.
7. **Dr. R. K. Selvakumar**, Professor of CSE Dept. published a paper on “**Software Testing Life Cycle and Approaches for Fault Finding**”, in the International Journal of Research and Analytical Reviews (IJRAR), Vol. 6, Issue. 2 in June, 2019.

Paper Presentation in National / International Conferences

1. **Dr. D. Sasikala**, Professor and **Dr. K. Venkatesh Sharma**, Assoc. Prof of CSE Dept. presented a paper on “**Wang Landau-Adaptive Monte Carlo Approach to Monomodal Image Registration**”, in the International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-19), at Hotel Quality Inn Hyderabad, on 28 & 29 June, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Dr. A. Vani Vatsala**, Professor of CSE Dept. participated in a two day workshop on “**NBA-Outcome Based Education & SAR Filling**”, at JNTUH, Hyderabad on 24 & 25 May, 2019.
2. **Dr. Vani Vatsala**, Professor of CSE Dept. participated in a three week workshop on Technical Leadership Development Program on “**AICTE-UKIERI**”, conducted by AICTE at NEHU, Shillong, Meghalaya in three parts: 13 -17 November, 2018, 20-23 February, 2019 and 11 -13 June, 2019.
3. **Ms. P. Madhavi** and **Ms. Ch. Bhawani**, Asst. Profs. of CSE Dept. participated in a two day workshop on “**Pedagogical Perspective of Swayam-MOOCs**,” at JNTUH, Hyderabad on 16 & 17 May, 2019.
4. **Dr. D. Durga Bhavani**, **Dr. N. Subhash Chandra**, **Dr. R. Ponnusamy**, **Dr. Md. Yusuf Mulge**, **Dr. R. K. Selvakumar**, **Dr. Raghava M**, Professors, **Dr. K. Madhusudhana**, **Mr. C. Ramesh**, **Mr. Ch. Ram Mohan**, **Mr. B. RamBabu**, **Ms. Sunitha Maddhi**, **Dr. R. Usha Rani**, **Dr. K. Venkatesh Sharma**,

Mr. N. Satyanarayana, Dr. M. Jaiganesh, Mr. Suhail Afroz, Ms. M. Sathya Devi, Assoc. Profs, Mr. Avinash Amaranayani, Ms. G. Swetha, Ms. B. Revathi Lavanya, Ms. M. Archana, Ms. Priyanka Gupta, Ms. K. Sindhuja, Ms. V. Bhavya, Ms. K. Ambika, Mr. A. Nagaraju, Mr. K. Manoj Kumar, and Ms. B. Hari Priya, Asst. Profs of CSE Dept. participated in a five day workshop on **“Data Analytics Through Python”**, at CVRCE from 10 – 14 June, 2019.

5. **Dr. D. Durga Bhavani, Dr. N. Subhash Chandra, Dr. R. Ponnusamy, Dr. Md. Yusuf Mulge, Dr. R. K. Selvakumar, Dr. Raghava M, Professors, Dr. K. Madhusudhana, Ch. Ram Mohan, Mr. B. RamBabu, Mr. D. Sujan Kumar, Mr. Suhail Afroz, Ms. M. Sathya Devi, Dr. K. Venkatesh Sharma, Assoc. Profs, Ms. B. Revathi Lavanya, Mr. Avinash Amaranayani, Ms. K. Sindhuja, Ms. V. Bhavya, Ms. K. Ambika, Mr. A. Nagaraju, Mr. K. Manoj Kumar and Ms. B. Hari Priya, Asst. Profs of CSE Dept.** participated in a five day workshop on **“Machine Learning”**, at CVRCE from 17 – 21 June, 2019.

Faculty Achievement

1. **Dr. D. Sasikala, Professor and Dr. K. Venkatesh Sharma, Assoc. Prof of CSE Dept.** were **“Session Chairs”**, at the International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-19), at Hyderabad on 28 & 29 June, 2019.
2. **Dr. M. Raghava, Professor of CSE Dept.** delivered an Invited Talk on **“Bayesian Learning and Regression Analysis”**, at JNTU-K on 3 & 4 June, 2019.

Workshops Organized:

FDP ON DATA ANALYTICS THROUGH PYTHON

Department of Computer Science and Engineering successfully conducted a Faculty Development Program in CVRCE on **“Data Analytics through Python”** for five days, from 10 – 15 June, 2019.

30 faculty members from CSE Dept. participated in the FDP. The workshop enabled participants to develop an understanding and appreciation of a few worthy topics out of myriad capabilities of Python programming language. Many popular companies like Google, Twitter, Face book, Quora, Pinterest, Instagram, etc. use this language.

The FDP was designed for 5 days in such a way, that the first 3 days focused on introducing participants to the concepts of Python programming and the following two days were spent on enlightening them about Data Analytics using libraries like NumPy, Scipy, Matplotlib , Panda etc.



Faculty Attending the Workshop

FDP ON MACHINE LEARNING

The Department of CSE successfully conducted a Faculty Development Programme on “**Machine Learning**”, from 17 – 21 June, 2019. Dr. Raghava M, and Mr. B. Ram Babu served as the Coordinators for the program. The Principal, Dean (Academics) and Head of the Department attended the inaugural function. The keynote address was delivered by Dr. K. Venkateswara Rao. He emphasized upon the dynamically changing nature of the real world problems, the complex nature of the data being generated by different automated environments and the challenges being posed to the Computer Science Engineers to extract the hidden patterns and assign value to the data. He elaborated upon the taxonomy of ML. The subsequent sessions covered all the three categories of ML algorithms namely; Supervised Learning, Unsupervised Learning and Reinforced Learning.

The FDP sessions were built around the real world examples and know-how’s involved in extracting the patterns associated with the data. The lab sessions were conducted in Python environment and the participants gained hands on experience on Classification models:- K-NN, SVM, Bayesian Classifier, BP Algorithm in NN, Regression and Decision Tree Generation using gini index, as an attribute selection measure for resolving the relevance of a measure. Furthermore, DBSCAN and K-Means Clustering Algorithms were demonstrated to the participants. There were extensive discussions on each topic. On the final day, Reinforcement Learning Model was discussed with an emphasis on Q-Learning Problem. Various design issues were also discussed and a Greedy Model was taken for demonstration.

Coming to the active participation by the faculty, 8 faculty members shared their insights as resource persons and about 29 faculty members benefitted from this FDP. The overall outcome of the FDP was satisfactory and the participants opined that advanced topics on Deep Learning Models should be planned by the department as an FDP during the inter semester break.

Faculty Achievements:

1. **Ms. S. Suguna Mallika**, Assoc. Prof. CSE Dept. completed an NPTEL course on “**Compiler Design**”, in April, 2019.
2. **Mr. R. Sathya Prakash** and **Ms. M. Archana**, Asst. Profs. of CSE Dept. completed an NPTEL course on “**Introduction to Automata, Languages and Computation**”, in April, 2019.
3. **Mr. Karthik Karmakonda**, Asst. Prof of CSE Dept. successfully completed the “**Certified Application Developer**”, from “**Servicenow** on 8 June, 2019.
4. **Mr. B. Ashwin Kumar** and **Ms. G. Ramya**, Asst. Profs of CSE Dept. successfully completed the programme on “**Business Analytics**”, from Indian Statistical Institute in June, 2019.



Guest Speaker Addressing the Participants at Machine Learning



Faculty Attending the Workshop

DEPARTMENT OF INFORMATION TECHNOLOGY

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. G N Balaji**, Asst. Prof of IT Dept. published a paper on “**Computer-Aided Lung Parenchyma Segmentation Using Supervised Learning Innovations in Computer Science and Engineering**”. in the Springer, in June, 2019.
2. **Ms. M. Pratyusha**, Asst. Prof of IT Dept. published a paper on “**Industrial IOT Gateway Configurator**”, in the CVR Journal of Science & Technology, vol.16 in June, 2019.
3. **Ms. K. Kavitha**, Asst. Prof of IT Dept. published a paper on “**Active Electronically Streamed Array(AESA) Radar Data Visualization Software**”, in the CVR Journal of Science & Technology, Vol.16 in June, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Dr. S. Venkata Suryanarayana**, Assoc. Prof of IT Dept. participated in a one day Faculty Development Program on “**Basic Blockchain Technology**”, conducted by TASK on 16 April, 2019.

Workshops Organized

IT department organized a one week Faculty Development Programme (FDP) on “**Data Sciences Using R**”, for the faculty members of CSE and IT Departments from 11 to 15 June, 2019 at CVR College of Engineering. There were speakers from CSE and IT Departments (Internal resource persons). The following faculty members were speakers at the FDP:

1. Dr. R. Poonnusamy – Professor, CSE
2. Dr. M. Raghava - Professor, CSE
3. Dr. R K Selva Kumar - Professor, CSE
4. Dr. S V Suryanarayana – Associate Professor, IT
5. Dr. M. Jai Ganesh - Associate Professor, CSE
6. Mr. CVS. Satyamurthy – Associate Professor, IT
7. Mr. S. Anupkanth– Assistant Professor, IT
8. Mr. N. Sateesh – Assistant professor, IT

There were five trainers on each lab session apart from the Inaugural and Valedictory functions, where every lab session was of 2 hours each. The total number of participants in the workshop were 35, out of which 27 faculty members were from IT Dept, 4 faculty members from CSE Department and 4 from M. Tech students (Data Science) (IT-27, CSE-4, M. Tech students - 4). The Inaugural and Valedictory ceremonies were addressed by Dr. Bipin Bihari Jayasingh, HoD of IT Dept and other professors of the Department.

DEPARTMENT OF MECHANICAL ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals:

1. **Dr. Manjeet Kharub**, Asst. Prof of Mechanical Engineering Dept. published a paper on “**Brand Image and Advertising Effect of Product Performance: A Case Study**”, in an International Journal of Scientific Research and Reviews, IJSRR 2019, in April, 2019.

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

1. **Mr. V. Rajender Kumar**, Assoc. Prof. of Mechanical Engineering Dept. participated in a one week short term training program on “**3D Printing In Modern Engineering**”, organized by Department of Mechanical Engineering, ICFAI Foundation for Higher Education, Hyderabad, from 22- 26 April, 2019.
2. **Mr. Sarat Kumar Sahoo**, Asst. Prof. of Mechanical Engineering Dept. participated and presented a paper on “**Process Parameter Optimization of Die Sink EDM for Machining of Inconel-625 Alloy with Brass Electrode by Using MOORA Method**”, in an International Conference on Innovative Product Design and Intelligent Manufacturing Systems-2019 organized by National Institute of Technology (NIT) Rourkela, on 17& 18 May, 2019.

Workshops Organized

FDP ON MACHINE DRAWING THROUGH AUTO CAD

A one week Faculty Development Programme on “**Machine Drawing Through AutoCAD**”, was organized by the Department of Mechanical Engineering from 24- 28 June, 2019. The FDP was organized for faculty members of Mechanical Engineering, to improve their skills in AutoCAD. Almost 40 faculty members registered for the program.

The FDP was formally inaugurated by **Dr. M. Venkata Ramana**, Professor and Head of the Department and **Dr. P. Uma Maheshwar Reddy**, Dr. M. Sowjanya, Dr. G. Venkatesha Prasanna and Dr. Shashidar Kudari, Professors, CVRCE graced the occasion. The Inaugural function began with the lighting the lamp. During their inaugural speech, guests briefed the gathering about the objectives of the FDP and scope of the workshop. The resource persons for the FDP were Mr. T. Venkatesh, Mr. C. Sai Kiran, and Mr. Neeraj Kumar Jha, supported by Mr. A. L. N. Arun Kumar, in house faculty members, CVRCE.

Dr. P. Uma Maheshwar Reddy, Dr. G. Venkatesha Prasanna and Dr. Shashidar Kudari awarded participation certificates to all the participants. They personally



Inauguration of the FDP

congratulated every faculty member for participating in the event and making it successful. Later, some participants shared their learning experience and thanked the organizers for conducting the FDP.



Participants at the FDP

Guest Lectures:

Signal Processing Basics for Mechanical Engineers

A guest lecture on “**Signal Processing Basics for Mechanical Engineers**” was delivered by **Prof. R. V. S. Krishna Dutt**, Retd. General Manager, *BHEL (R&D)*, on 30 April, 2019. He is *currently working as Professor with the EDC Cell of the college*. Faculty members of the Mechanical Engineering Department attended the lecture. This lecture mainly focused on various devices used in signal processing like Fans, Gears, Compressor, Carrying Fluids, Electromagnetic Coupling, and Fluid Coupling. Prof. Dutt also explained the terms Amplitude, Frequency, Sampling Frequency, Vibrations and Noise in Signal Processing, Types of Signals, Periodic and Non-Periodic, information about Acoustic Engineering and Fourier Theorem. This lecture was organized by **Mr. P. Srinivas Reddy**, Asst. Prof. of Mechanical Department.

Faculty Achievements:

1. **Dr. Sowjanya Madireddi**, Professor of Mechanical Engineering Dept. was one of the authors for the book on “**Processing and Characterization of Multi Component Polymer Systems: New Insights for “Chapter 15- Initial Flow Analysis in Crucible- Nozzle during Planar Flow Melt Spinning Process”**”, published under Apple Academic Press Incorporated, in April, 2019.
2. **Mr. Shaik Mohammad Shareef**, Asst. Prof of Mechanical Engineering Dept. participated in a one week FDP and qualified in the examination (an 8- Week course from Feb to April 2019) on “**Stem and Gas Power Systems**”, conducted by NPTEL-AICTE in April, 2019.

DEPARTMENT OF CIVIL ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals:

1. **Dr. M. V. Seshagiri Rao**, Professor and **Mr. N Ramanjaneyulu** Asst. Prof. of Civil Engineering Dept. published a paper on “**Behavior of Self Compacting Concrete Partial Replacement of Coarse Aggregate with Pumice Lightweight Aggregate**”, in the International Journal of Recent Technology and Engineering (IJRTE) Vol.7 in April, 2019.

2. **Mr. T. Manoj**, Asst. Prof of Civil Engineering Dept. published a paper on “**Study on Strength Properties of Lightweight Expanded Clay Aggregate Concrete**”, in i-Manager’s Journal of Structural Engineering, Vol. 7, Issue .4 in April, 2019.
3. **Ms. G. Sharanya**, Asst. Prof of Civil Engineering Dept. published a paper on “**Investigation on Permeability Characteristics of Pervious Concrete**”, in the International Journal of Advanced Research, Ideas and Innovations in Technology, Vol. 5, in May-June, 2019.
4. **Dr. M V Seshagiri Rao**, Professor of Civil Engineering Dept and Dean (Academics), Mr. K. Satya Sai Trimurthy Naidu, Research Scholar, JNTUH and Mr. V. Srinivas Reddy, Professor-GRIET published a paper on “**Effect of Microbial Induced Calcite Precipitation on the Performance of Concrete**”, in the International Journal of Emerging Technologies and Innovative Research, Vol 6, Issue.6 in June, 2019.
5. **Mr. P. Yashwanth**, Assoc. Prof and **Mr. K Mahesh**, Asst. Prof of Civil Engineering Dept. published a paper on “**A Comparative Study on Green Building Rating Systems in India in Terms of Energy and Water**”, in the CVR Journal of Science and Technology, Vol. 16 in June 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Mr. K Ravi Chandra Reddy**, Asst. Prof. of Civil Engineering Dept. participated in a six Day FDP on “**Effective Teaching and Learning Practices for Design and Operation of Water Supply Systems**”, organized by Department of Civil Engineering, NIT Warangal, from 20 - 25 May, 2019.
2. **Mr .B Jagadeesh**, Asst Prof. of Civil Engineering Dept. participated in a one day National Workshop on “**Building Information Modeling**”, organized by Department of Civil Engineering, R.M.K Engineering College, Kavaraipettai, Chennai on 4 May, 2019,

Guest Lectures:

MIDAS – Applications to Structural Engineering

Civil Engineering Association organized a guest lecture for M. Tech students and faculty members on “**MIDAS – Applications to Structural Engineering**”, on 23 April, 2019. The resource person was **Mr. Shishir**, Technical Executive, MIDAS, Mumbai. He explained the benefits of MIDAS Software over other FEM packages and the procedure of Modeling and Analysis of Civil Engineering Structures.

CIVIL ENGINEERING PROJECTS & PRACTICAL EXPERIENCES

Civil Engineering Association organized a Guest Lecture on 28 June, 2019 for B. Tech. final year students and faculty members on “**Civil Engineering Projects & Practical Experiences**”. The resource person was **Dr. Chandrasekhar Morampudi**, Chief Consultant, M.C. Consulting Engineers Pvt. Limited, Hyderabad. He explained the challenges and implications that one faces while planning, designing, contracting and execution of various civil engineering projects with the help of case studies.



Guest Lecture by Dr. M. Chandrashekar

Faculty Achievements:

1. **Mr. B. Jagadeesh**, Asst. Prof. of Civil Engineering Dept. completed NPTEL course on “**Engineering Mechanics – Statics & Dynamics**”, in April, 2019.
2. **Mr. B. Jagadeesh** Asst. Prof. of Civil Engineering Dept. completed NPTEL course & AICTE Approved FDP course on “**Advanced Topics in the Science and Technology of Concrete**”, in April, 2019.

DEPARTMENT OF HUMANITIES AND SCIENCE

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals:

1. **Dr. Ramakanth Pagadala**, Asst. Prof. of Chemistry published a paper on “**Synthesis of New Chiral (R)-BINOL Derivatives under Microwave Irradiation and Evaluation of Their Antibacterial and α -Glucosidase Inhibitory Activity**”, in an International Journal of Chemistry Select (Scopus Indexed), Vol. 4 in May, 2019.

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

1. **Dr. Sankararao Yadam**, Asst. Prof. of Physics, participated in a two day workshop on “**Low Temperature and High Magnetic Filed**”, at UGC - DAE Consortium for Scientific Research, Indore, Madhya Pradesh on 29 & 30 May, 2019.
2. **Dr. P. Vanishree Sah**, Assoc. Prof of Management Studies participated in a one Day National Conference on “**3E-UDHYOG HOUSE 2019- Ease of Business, Enterprise and Employment**”, organized by Indian Chamber of Commerce on 27 June, 2019.

Achievements

1. **Mr. P.V.S. H. Sastry**, Assoc. Prof in Management Sciences secured “Elite + Silver Grade”, in a certification examination on, “**Design Thinking - A Primer**”, with 82 % marks, conducted by National Programme on Technology Enhanced Learning (NPTEL) in April, 2019.
2. **Mr. P.V.S.H. Sastry**, Assoc. Professor in Management Sciences secured “Elite” grade in two certification examinations titled, “**Marketing Research and Analysis-II**” with 67 per cent marks and “**Business Statistics**” with 66 percent marks, conducted by National Programme on Technology Enhanced Learning (NPTEL) in April, 2019.

EXAM TOPPERS

Results of B.Tech III Year II Sem (16 Batch) Main Exams held in April, 2019

Academic Year 2018 – 2019

BRANCH - ECE

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A04J9	GUDIMALLA SIREESHA	1	10.00
2	16B81A0453	BADDAM HARINI	2	10.00
3	16B81A0496	SAMADAM NIHARIKA	3	9.96

BRANCH - EEE

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A02A6	ANKATHI SUSHEEL VARMA	1	9.83
2	16B81A0273	KANKANTI RUCHITHA REDDY	2	9.63
3	16B81A0208	E AKHILA	3	9.63

BRANCH - EIE

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A1057	K VENKATA NAVEEN	1	9.75
2	16B81A1044	PISATI SANDEEP REDDY	2	9.71
3	16B81A1021	SUGGALA NAGANAVYA	3	9.71

BRANCH - CSE

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A0570	PALAPARTHI HEMALATHA CAROLIN	1	10.00
2	15B81A05T1	MD UZMA	2	10.00
3	16B81A0563	CHANAMOLU HARSHA	3	10.00

BRANCH - IT

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A1263	KOTNAKAL RISHAB DESAI	1	9.42
2	16B81A1237	MAREMANDA LIKHITHA	2	9.38
3	16B81A1287	NUKA SATHYALAHARI	3	9.38

BRANCH - MECH

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A03M1	DANGUDUBIYYAM UMA KOUSALYA	1	10.00
2	16B81A03H5	PANDIRI SHANKAR	2	9.96
3	16B81A03F7	DOMA SAI VARUN REDDY	3	9.83

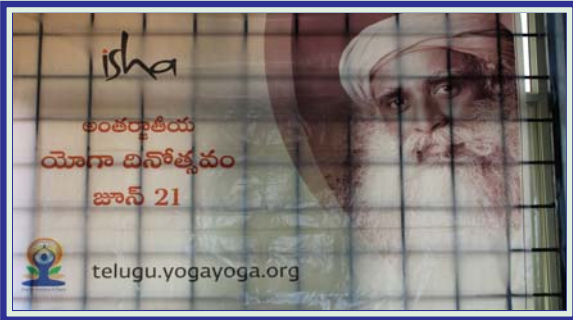
BRANCH - CIVIL

S No.	HT No.	Name of the Candidate	RANK	SGPA
1	16B81A0118	GOKUL GAYATRI	1	10.00
2	16B81A0136	YAMMANURU LAKSHMI SRAVYA	2	10.00
3	16B81A0128	HEMANJALI UBBANA	3	9.96

INTERNATIONAL DAY AGAINST DRUG ABUSE



INTERNATIONAL YOGA DAY



NSS MEDICAL CAMP



NSS AT POCHARAM SCHOOL & MANGALPALLY VILLAGE

