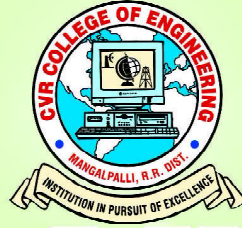


CVR COLLEGE OF ENGINEERING

(An Autonomous Institution)



In Pursuit of Excellence....

Aegle Vista '19

Vol. 19

July – September 2019

Issue. 3

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. Rupasree
Mr. B. Jagadeesh
Ms. Lalitha
Ms. M. Jyothi

TECHNICAL ADVISOR
Mr. K. Brahmanand

TECHNICAL SUPPORT
Mr. P. Venkatesh

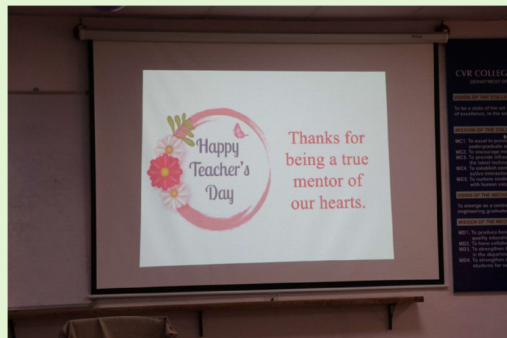
PHOTOGRAPHS
Mr. G. Vijay Kumar



August 15 Celebration



Teacher's Day Celebration



EDITORIAL MESSAGE

Dear Readers,

Welcome to Aegle Vista Volume 19, Issue 3. This edition of the newsletter will cover life in the college from July-September, 2019. These months are months that bring a mixed ambience into the campus, as the academic year draws to a close for some students while new students, i. e freshers are waiting to burst into the scene. So while many of the students are writing exams, parents of new students come by to see the college and familiarize themselves with it.

The college hosted an Orientation Programme for the first year students on 2 & 3 August, 2019 in which the Chairman Dr. Raghava Cherrabuddi , Director A. Rama Sastri, the Principal Dr. Nayanathara K.S, Deans, Heads of the Departments and Professors navigated the new students and their parents through the rules and regulations of the college. The Orientation Programme was followed by an Induction Programme conducted over two weeks, in which the students were provided platforms to express their latent talent in singing, dancing, sketching etc. Proficiency classes were conducted for some subjects followed by Personality Development workshops and Yoga classes. A detailed report of this programme is provided in this edition of the Aegle Vista. The Induction Programme culminated in a grand Freshers Day Event on 31st August wherein the senior students put up a grand pageant of cultural programme for the new students. The freshers gave their fair share of participation in the cultural too. The event set the tone and tenor for the first years for their four year B. Tech Programme in the college, a tone of joy, happiness and infinite learning.

The final Year students were prepared and made ready for recruitment drives by the different companies and a large number of students have already been selected by them.

All in all, July to September proved to be a fruitful quarter and the college is looking forward to a fruitful year, 2019-20.

Keep watching us on Aegle Vista. Until then..

Good bye and happy reading !!!!!

NEW RECRUITMENTS

CVRCE welcomes the following faculty members, who joined the college between July and September, 2019.

S. No.	Name of the Staff Member	Designation	Dept.	D.O.J
1	Dr. M. Chandra Sekhar	Asst. Prof	H n S (Physics)	10.08.2019
2	Dr. S. Soujanya	Asst. Prof	H n S (EVS)	13.08.2019

FACULTY MEMBERS RELIEVED

The following faculty members have taken relief from the services of the college during July-September, 2019.

S. No.	Name of the Faculty	Designation	Dept.	Relieved on
1	Dr. P. Hari Prasad	Asst. Prof	H & S	03.08.2019
2	Dr. Vineeth	Assoc. Prof	ECE	16.09.2019
3	Dr. Sashikala	Professor	CSE	16.09.2019

PROMOTIONS

CVRCE takes pride in congratulating the following staff members for being promoted.

S. No.	Name of the Staff	Promoted as	Dept	Date w.e.f.
1	Ms. Vijaya Mair	Associate Dean – Campus & Corporate Relations	Placement Office	19.07. 2019
2	Dr. H.N. Lakshmi	Professor & HOD	CSIT	19.07. 2019

ORIENTATION PROGRAMME 2019

CVR College of Engineering organized an Orientation Programme on 2nd & 03rd August, 2019 to welcome the newly admitted students and their parents, to introduce them to the rules and regulations and the various activities of the college.

The programme was conducted on two days. On 2nd August, 2019 it was conducted for B. Tech CSE, IT, EEE and EIE students, and on 3rd August 2019 for the students of B. Tech ECE, Civil and Mechanical Engineering branches. The main aim of the orientation was to familiarize students with the environment of the college and make them comfortable in a new ambience. It was a sincere effort to inform the parents about their role in the progress of their children.

Under the able guidance of the Chairman, Dr. Raghava Cherabuddi, the orientation programme commenced with a warm welcome and a brief description of the college. Dr. Nayanathara K.S., Principal of the college enlightened the gathering of the motto and the recent achievements by the college. It was followed by the speeches of Dr. N. V. Rao (Dean, Academics), Dr. K. Lal Kishore (Dean, Research), Dr. Rameshwar Rao Dean, (Projects and Consultancy), Dr. K. Rama Sastri, Director.

Dr. Lal Kishore made students aware of advancement of technology and the trends in the different branches of engineering. Dr.K. Rama Sastri, Director informed the students about the functioning of the institute along with the grading schemata. He enthused the students to find more innovative ways to study, motivated them to find different resources for learning and to aim for a holistic development. Dr. Narasimhacharyulu, Professor Emeritus of Physics welcomed the students and navigated them through the various subjects in the first year and gave them insight on how to keep pace with the curriculum. He talked about various academic disciplines and structures of assessment. Dr. Raghava Cherabuddi, the Chairman of the college heartily welcomed the students and parents



Chairman Addressing Parents and Students



Dignataries on the Dais



Parents and Students at the Programme

to the college. He assured them about the quality of education, infrastructure and facilities provided by the college. He appealed to the students to give their honest effort to become excellent engineers, who would prove to be an asset to any organization they work for in the future.

The parents and the students were then given time for an interactive session where their queries were answered by the Chairman, the Principal and other experts. Prof. L. C. Siva Reddy, the Vice Principal of the college proposed the Vote of Thanks. This was followed by the introduction of Heads of Departments and Professors, to the freshmen and their parents in their respective departments.



Principal Instructing the New Batch

INDUCTION PROGRAMME

B. Tech I year students started reporting on 29th July 2019, and it went on till 1st August. New students were taken round the respective Departments and were enabled to visit the different laboratories and facilities in their branches.

From 5th August, a programme was drawn for Induction which went on till 16th August. The programme comprised the following items.



Dr. Yandamuri Veerendranath Addressing the Students

1. Interaction with chairman, Principal / Vice Principal & Concerned Head of the Department giving details of their courses-opportunities & challenges.
2. Motivational address by Dr. Yandamuri Veerendranath.
3. Visit to Vivekananda Institute of Human Excellence where lectures were delivered personality development.



Yoga Session in Progress

4. Training in Yogasanas by Professionals from Hanuman Vyayamsala.
5. Students were introduced to “Sushumna Kriya Yoga” type of meditation by experts from that system
6. Spo2rts & Games (both Indoor & Outdoor)
7. Different forms of cultural activities like Dance, Music, Drama, Drawing and so on
8. Proficiency Modules in Mathematics & English and computer Programming
9. Sessions on universal Human values by mentors.
10. Students were able to shed any apprehensions and developed familiarity.
11. Regular class work commenced on 19th August 2019.

Steps Taken for Improvement of Academic Standards during 2018-19 with Particular Reference to B.Tech I Year.

Various steps were taken for improvement of academic standards during 2018-19. They are detailed below.

1. B. Tech I year students belonging to Civil, Mechanical, IT and EIE branches were formed into smaller sections of 40/30 students for theory class. It was expected that better attention could be paid to the students in the class room.

2. Mentors were allotted batches of 20 students in each class and they were keeping track of student attendance in particular by contacting the parents and informing them about shortage of attendance.



Students Practicing Meditation

3. The Prof I/C of B.Tech I year was in touch with parents of most of the students that had either shortage of attendance taken every month or were not sufficiently studious.

4. Students in need of academic support were identified after I Midterm examination in each semester and remedial classes were held in subjects like Mathematics – I, Problem Solving through C, and Applied Physics in I semester and Mathematics- II, Engineering Physics, Data Structures and Engineering Mechanics in II Semester.

With these steps in place results, of B. Tech I year showed improvement and compared to academic year 2017-18 the pass percentage improved from 65 percent to 73% for the year 2018-19.



Students Visiting College Library

FRESHERS' DAY - 2019

Freshers' Day has become a trend in all higher education institutions. It proposes to build everlasting relationships among the student fraternity. This year, Freshers' Day was organized on 31st of August, by the second year B. Tech students under the guidance of H&S Department. The occasion was graced by the Chairman of the college, Dr. Raghava Cherabuddi, Director, Dr. Rama Sastri, Principal Dr. Nayanathara K.S, Dean (Academics) Dr. N.V. Rao, Vice Principal Prof. L. C. Siva Reddy, Heads of the Departments and other faculty members. They welcomed students with their motivational speeches.

The Chairman welcomed the freshmen to the CVR family and advised them to utilize the infrastructure of the Institution and the experience of the faculty to meet the challenges ahead.

Director, Dr. Rama Sastri, Principal Dr. Nayanathara K. S, Dean (Academics) Dr. N. V. Rao, Vice Principal Prof. L. C. Siva Reddy wished the freshers a fruitful and eventful stay at the college.

Students participated in various events with high spirits. The events started with ramp walk. The mercury began to rise with the pulsating music and vibrating dance performances of the enthusiastic students. Mr. Fresher and Miss. Fresher were selected based on the students' spontaneity, IQ and presence of mind. Mr. K. Sushanth Reddy of EIE department was selected Mr. Fresher and Ms. Krithika Naidu of CSIT department was crowned Miss Fresher. Second year B.Tech students entertained their juniors with their amazing performances. The freshers were excited to exhibit their talent.



Dance Performance by Students



Student Receiving Award



Winners of Mr. and Ms. Freshers'

The college had a festive look. Joy and happiness could be seen in the students. It was a fun filled event at which the freshers got an opportunity to overcome their inhibitions and showcase their talents.

FIT INDIA MOVEMENT

CVRCE celebrated the “Fit India Movement”, an initiative recently launched by the Prime Minister, on 28 September, 2019 in the college. About 200 students and 20 faculty members participated in the events of Walking, Yoga, Jumping Rope, Jogging etc on that day. This initiative was an attempt to get the students and the faculty members to appreciate the value of physical fitness in this day and age where most people lead sedentary lives which leads to a lack of a good and healthy lifestyle.

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 “**Localization in Wireless Sensor Networks Using TLBO**”, in I-manager Journal of Wireless Communication Networks (JWCN), Vol. 7 on 3 July, 2019.
2. **Dr. Yedukondalu Kamatham**, Professor, published a paper on “**Fork Shaped with Inverted L-Stub Resonator UWB Antenna for WiMAX/WLAN Rejection Band**”, in the International Journal of Electronics and Communications (AEUE), in August, 2019.
3. **Dr. Selvendran S**, Assoc. Prof. published a paper on “**A Novel PhC Based 4-Channel Nano-cavities Biosensor for Diagnosis of Haemoglobin Disorders from Different States of Blood Simultaneously**”, in JASC: Journal of Applied Science and Computations, in August, 2019.
4. **Mr. D. Bhanu Prakash**, Assoc. Prof. published a paper on “**Medicinal Plant Recognition based on CNN and Machine Learning**”, in the International Journal of Advanced Trends in Computer Science and Engineering (Scopus Index Journal) Vol. 8, Issue 4 in August, 2019.
5. **Ms. A. Anitha**, Sr. Asst. Prof. published a paper on “**Implementation of Energy Efficient Gates using Adiabatic Logic for Low Power Applications**”, in the International Journal of Recent Technology and Engineering (IJRTE), Volume 8 Issue 3 in September, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. A. Malleswari & Mr. S. Ravi Kanth**, Asst. Profs. participated in one week Faculty Development Program on “**Wireless & Mobile Communications**”, organized by E&ICT Academy, National Institute of Technology, Warangal at VNR VJIET, from 1 – 6 July, 2019.
2. **Ms. Dhruva R. Rinku**, Assoc. Prof. participated in a five days Hardware Hackathon held at IIT Rorkee from 8 – 12 July, 2019.
3. **Ms. P. Kavitha**, Assoc. Prof and **Ms. A. Anitha**, Sr. Asst. Prof. participated in a five day workshop on “**Research Methodology and IPR**” held at JNTU, Hyderabad from 5 – 9 August, 2019.
4. **Mr. B. Janardhana Rao**, Assoc. Prof and **Mr. K. Arun Kumar**, Asst. Prof. participated in a one week Faculty Development Program on “**Hands-on Training on Virtual Instrumentation & Industrial Automation**”, organized by the Department of EIE along with Mitsubishi Electric India Private Limited and National Instruments at CVRCE , from 26 – 31 August, 2019.
5. **Ms. V. Silpa Kesav**, Asst. Prof. participated in a three day workshop on “**Custom IC& Physical Design Using Mentor EDA Tools**”, held at JNTU Hyderabad from 19 – 21 August, 2019.
6. **Mr. Shakeel Ahmed**, Sr. Asst. Prof. participated in a two day workshop on “**Evolving Technologies in Network and Communication Systems**”, held at BITS PILANI, Hyderabad on 29 & 30 August, 2019.

Workshops/Conferences/ Guest Lectures Organized:

1. **Ms. T. Subha Sri Lakshmi** , Faculty Adviser, TECHNOLITES organized a two day workshop on “**Arduino Based Robots**”, on 2 & 3 August for Batch 1 and on 9 & 10 August, 2019 for Batch 2 of III Year ECE Students.
2. **Ms. T. Subha Sri Lakshmi**, Asst. Prof. organized a one day seminar on “**Scripting Languages for VLSI Design**”, for ECE and EIE Faculty members on 26 August, 2019.
3. **Ms. T. Subha Sri Lakshmi**, Asst. Prof. organized a one day seminar on “**Physical Design**”, for ECE and EIE faculty members on 27 August, 2019.
4. **Mr. R. Ganesh**, Assoc. Prof. conducted a two day training for M. Tech II year students on “**VLSI System Functionality and Optimization Analysis using EDA Tools**”, on 28 & 29 August, 2019. This

training concentrated on different VLSI Design Flows, VLSI Applications Functional, Non-Functional Optimization Analysis, Introduction to background process of VLSI EDA Tools and EDA Tools Mapping for System Design Applications.

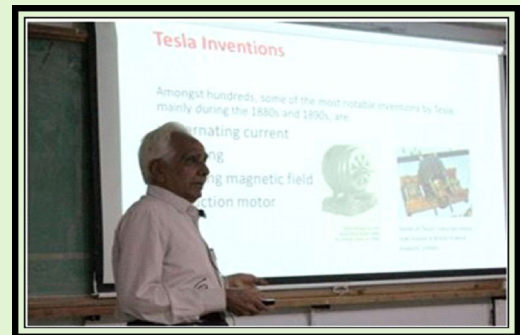
5. **Mr. R. Ganesh**, Assoc. Prof. was a resource person for a one day seminar on **”Scripting Languages for VLSI Design”**, conducted by ECE Department, CVRCE, on 26 August, 2019.
6. **Mr. R. Ganesh**, Assoc. Prof. was a resource person for a one day seminar on **”Physical Design”**, conducted by ECE Department, CVRCE on 27 August, 2019.
7. **Prof. K. Lal Kishore**, Dean (Research) presided over a meeting of ISTE members at Aditya College of Engineering & Technology, Kakinada on 17 September, 2019. He delivered a lecture on **“Nano Technology”**, on that occasion.
8. **Dr. G. Sasi**, Professor. participated in a three day Faculty Development Programme on **”ASIC Physical Design”**, held at CVRCE, Hyderabad organized by the dept. of ECE from 19- 21 September, 2019.

INDUSTRIAL VISITS

1. **Mr. R Ganesh**, Assoc. Prof. went to an Industrial visit to **BSNL RTTC, Gachibowli**, Hyderabad along with II ECE-B & C students on 4 September, 2019.
2. **Mr. R. Ganesh**, Assoc. Prof. of ECE Dept. went to an Industrial visit to **BSNL Telephone Exchange office, Sherilingampalli**, Hyderabad along with III ECE-A students on 13 September, 2019.
3. **Ms. Malleswari.A & Ms. G. Vijaya Nirmala**, Asst. Profs. went to an Industrial visit to **BSNL Telephone Exchange office, Chandanagar**, Hyderabad along with III ECE-B students on 19 September, 2019.

Workshops/FDP Coordinator/Resource Person

1. **Mr. R Ganesh**, Assoc. Prof. was a Resource Person for a one day technical event on **“Hardware Platforms for Engineering Applications”**, for II year ECE students, conducted by Technolites, ECE Department, CVR College of Engineering on 7 September, 2019.
2. **Mr. R Ganesh**, Assoc. Prof. was a Coordinator and Resource Person for a three day FDP on **“ASIC Physical Design using Cadence Tools”**, conducted by Prof. Magdy



Prof. Magdy Bayoumi at the FDP

Bayoumi Center for VLSI Design, ECE Department, CVR College of Engineering from 19- 21 September, 2019.

Smart India Hackathon-2019 (Hardware Edition)

The third edition of the Smart India Hackathon-2019 was conducted by the MHRD Innovation Cell from 8-13 July, 2019. The initial problem statements were released in November, 2018. Over 20,000 teams registered and submitted abstracts for the given problem statements among which only 1000 teams were shortlisted, based on their innovative ideas. After a video round, only 250 teams were selected from all over India.



Winning Team with the Cash Price

Our college team (Enigma99) from ECE Dept. (under the guidance of Dr. Gaurav Sharma, Asst Prof. of ECE Dept.) was selected for the grand finale at IIT Kharagpur.

The grand finale was a five day Hackathon with four reviews on four days. The reviews were conducted by the jury which consisted of the representatives from Ministry of Coal, from AICTE, from MHRD, and Professors from IIT Kharagpur. After four days of extensive reviews by the jury, our team emerged victorious and secured the first prize under Ministry of Coal. The team received a cash prize of one lakh rupees and further opportunities from the Government of India to extend their product under Ministry



College Team at IIT Khadagpur

of Coal. Our college felicitated the entire team (4th year ECE students, Rohan Vamshi, Robin Wilson, Santhosh Kumar, Rohit Patil, Sahithi Ammana, TRasgana) and the mentor of the team (Dr. Gaurav Sharma) and gave a cash prize of one lakh rupees to the winning team. One more team won Rs, 50,000/-.

Faculty Improvement

S. No	Title of the Lecture /Programme	Name of the Speaker	Organized by	Date	Department	Participants
1	Industrial Visit to BSNL RTTC		Mr. B.Janardhana Rao ECE Dept.	04/09/2019 & 05/09/2019	IETE SB	II B.Tech ECE Students
2	Technical Event on Hardware Platforms for Engineering Applications	Mr. D. Bhanu Prakash & Mr. R Ganesh ECE Dept.	Ms. T Subha Sri ECE Dept.	07-09-19	Technolites ECE	II B.Tech ECE Students
3	Two Day Workshop on Raspberry Pi Using Python	Ms. S Sailaja & Ms. Dhruva R Rinku ECE Dept.	Ms. T Subha Sri ECE Dept.	07/09/2019 & 09/09/2019	Technolites ECE	III B.Tech ECE Students
4	Industrial Visit to BSNL Telephone Exchange Complex		Ms. T Subha Sri ECE Dept.	13-09-2019, 19-09-2019 & 20-09-2019	Technolites ECE	III B.Tech ECE Students
5	Three Day FDP on ASIC Physical Design Using Cadence Tools	Mr. Karrar Hussain & Mr. R Ganesh ECE Dept.	Ms. T Subha Sri & Ms. V Rama Devi ECE Dept.	19/09/2019 to 21-09-2019	Prof. Magdy Bayoumi Centre for VLSI Design, ECE Dept.	Faculty Members
6	Hands-on Training on Electromagnetic Software Tools	Dr. I Srikanth & Dr. Amit Arora	Ms. T Subha Sri ECE Dept.	27-09-19	Technolites ECE	III B.Tech ECE Students

Prof. Magdy Bayoumi Center for VLSI Design

A Report on

Three Day Faculty Development Program on ASIC Physical Design using Cadence Tools

(Theory & Practice) 19-21 September, 2019

A three day Faculty Development Program on ASIC Physical Design using Cadence Tools was conducted by Prof. Magdy Bayoumi Center for VLSI Design of ECE Department, CVR College of Engineering from 19-21 September, 2019. The main objective was to introduce the ASIC Physical Design concepts using Cadence Tools to the faculty members to design projects for under graduate, graduate and research projects.

The introduction to VLSI and ASIC Design Flow, Linux and scripting languages, Synthesis Design constraints, STA Topics and Synthesi Lab were covered by **Mr. R. Ganesh**, Assoc. Professor, ECE, CVR College of Engineering. The Physical Design Flow and the lab sessions were conducted **Mr. Karrar Hussain**, Assoc. Professor, ECE, CVR College of Engineering. 11 faculty members participated in this FDP. The Head of Department, ECE distributed the certificates to the participants.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ERUDITION OF KNOWLEDGE

Paper Presentation in National / International Conferences

1. **Dr. R. Vijay**, Assoc. Prof. presented a paper on “**Optimal Design and Power Management In Shipboard System**”, at Guru Nanak Institutions Technical Campus, Hyderabad and the extended version of the paper was published in Lecture Notes in Electrical Engineering (Scopus Indexed) on 27 July, 2019.
2. **Dr. D. Obulesu**, Assoc. Prof. published a paper on “**Recent Advances in the Design and Development of a Drone used for Bio-Medical Engineering Applications: Medi-Sky**”, in the Scopus Indexed International Journal titled International Journal of Innovative Technology and Exploring Engineering (IJITEE) Vol:8, Issue:9S in August, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. R. Naveena Bhargavi**, Assoc. Prof. participated in a AICTE sponsored one week short term training program on “**Control of Power Electronic Converters for Smart Power Systems**”, at NMAMIT, Mangalore, from 15 - 20 July, 2019.
2. **Mr. D. Sreenadh Reddy**, Asst. Prof. participated in a one week short term training program on “**Energy management of smart Grids and micro grids with IoT**”, at RVRJC college of Engineering, Guntur from 29 July - 3 August, 2019.

3. **Ms. Ch. Shravani**, and **Mr. R. Harshavardhan**, Asst. Profs. participated in a one week Faculty Development Program on “**Hands on Training on Virtual Instrumentation and Industrial Automation**”, organized by the Department of Electronics & Instrumentation Engineering along with Mitsubishi Electric India Private Limited and National Instruments from 26 - 31 August, 2019.
4. **Ms. V. Sarada**, Asst. Prof. participated in an AICTE sponsored one week short term training program on “**Power Electronics Applications in Renewable Energy Systems: Technology Status and Future Trends**”, at Vasavi College of Engineering, Hyderabad from 16- 21 September, 2019.
5. **Ms. G. Divya**, Asst. Prof. participated in a five-day workshop on “**Power Systems**”, at JNTU College of Engineering, Hyderabad from 23 – 27 September, 2019.

Guest Lecture:

1. **Ms. K. Deepika**, Asst. Prof. delivered a half day lecture on “**Basic Programming of Mitsubishi Electric PLC**”, as a part of the one week FDP ”Hands-on Training on Virtual Instrumentation & Industrial Automation”, organized by Department of Electronics and Instrumentation Engineering, CVRCE, from 26 – 31 August, 2019.

Departmental Achievement:

1. **Dr. R. Vijay**, Assoc. Prof of EEE Dept. got selected for InSC Young Achiever Award 2019.

EVENTS UNDER TECHNICAL ASSOCIATION:

ARISE (OUT REACH Activity):

ARISE activity was organized on 6 September, 2019 by the EEE department’s Technical Association “**ELECTROCRUISE**”. In this event, the college donated 2 Desktop computers, 5 benches and 2 tables to the ZPHS, Patelguda, Hyderabad. Students of EEE department conducted classes for the students, explained to them the importance of communication skills, career development and shared their experiences.



Participants of the ARISE Activity

Project Expo:

The EEE Department conducted a college level project Expo, “**INGINIUM 2019**”, on 30 September, 2019 as a part of the birth celebrations of Michael Faraday. The department invited projects from the students of all the departments to motivate the students towards invention and received nearly 67 participant projects, each having

3 student members. After a thorough evaluation the department announced the Best Project Award for the entire project Expo. The winning team was given a cash prize. The Best Project from each department was awarded a cash prize. Participation /Appreciation Certificates were later distributed to the students.



Students Explaining the Project



Faculty and Student Participation

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Ms. R. Prameela Devi**, Asst. Prof. published a paper on **“Rate Performance and Spectral Efficiency of Non-Orthogonal Multiple Access for 5G Communication”**, in the International Journal of Recent Technology and Engineering (IJRTE), Vol. 8 in July, 2019.
2. **Dr. S Harivardhagini**, Professor & Head, EIE Dept. published a paper on **“Acidic Control of a Chemical Plant Implementing Non Linear Controllers”**, in the International Journal of Innovative Technology and Exploring Engineering, Vol 8, Issue 10 in August, 2019.
3. **Dr. Santhosh Kumar Sahoo**, Assoc. Prof. published a paper on **“Generation Of ‘16’ Type of Biomedical Laser using a Single Photonic Structure: A New Paradigm to Operation in Medical Science”**, in International Journal of Light & Electronics OPTIK, Elsevier, Vol. 197, in August, 2019.
4. **Mr. G. Venkateswarlu**, **Mr. P. Choudesh Varma** and **Mr. K. Uday**, Asst. Profs. published a paper on **“GOT Assisted Smart Building Energy Management System”**, in the International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol 7, Issue 8 in August, 2019.
5. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. published a paper on **“Designing of an Efficient Electronic Module for Sensory Network used in Smart City”**, in the International Journal of Recent Technology

and Engineering (IJRTE Scopus indexed and approved in UGC Care List), Volume 8, Issue 3 in the month of September, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Ms. R. Prameela Devi**, Asst. Prof. participated in a one week National Level FDP on “**Wireless & Mobile Communication**”, organized by E& ICT-NIT Warangal and VNR VJIET, at VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad, from 1 - 6 July, 2019.
2. **Mr. C. Pramod Kumar**, Asst. Prof. participated in a two day training program on “**SCADA for MC Works 64**”, at Mitsubishi Electric India Factory Automation Division, Hyderabad Branch, on 4 & 5 July, 2019.
3. **Dr. S. Harivardhagini**, Head, EIE Dept. participated in a two day Leadership Summit on IEEE’s Women in Engineering International Leadership in Bangalore on 30 & 31 August, 2019.
4. **Dr. B. Saidulu, Mr. B. Satish and Mr. O. Venkatakrishna**, Assoc. Profs. participated in a seminar on “**Scripting Languages in VLSI Design**”, in the Department of ECE, CVRCE on 26 August, 2019.
5. **Dr. B. Saidulu, Mr. B Satish and Mr. O. Venkatakrishna**, Assoc. Profs. participated in a seminar on “**Physical Design**”, in the Department of ECE, CVRCE on 27 August, 2019.
6. **Mr. P. Choudesh Varma and Ms. Y. Divya**, Asst. Profs. participated in a Faculty Development Programme on “**Power Systems**”, conducted by EEE Department, JNTUH sponsored by AICTE from 23 - 27 September, 2019.

Workshops/Conferences Organized

FDP on Hands on Training on Virtual Instrumentation and Industrial Automation

The Department of EIE conducted a six day faculty development program on “**Hands on Training on Virtual Instrumentation and Industrial Automation**”, from 26- 31 August, 2019.

The faculty development program was organized for the faculty of various departments in CVR College of Engineering and also for other faculty from different colleges. The objective of this workshop was to effectively use LabVIEW 2015 version in various departments of engineering to assist their research and academics.



Faculty at the FDP

Mr. Rohith, Field Application Engineer, from National Instruments was the resource person and handled the sessions on the first three days of labVIEW real time applications.

DAY-1: The first day of FDP started with basics of LabVIEW, Graphical System Design Functions, Graphs & Charts, Block Diagram functions like Arrays, Loops, Case Structures, Shift Registers, & file I/Os were all explained completely with hands on experience. While explaining these functions, Mr. Rohith gave some sample programs to the participants and later in the day they worked on these programs.

DAY-2: The second day of FDP started with a session on hardware – myDAQ Applications with low level & high level language applications with respect to sensors and Introduction to myRIO Technology and deep programming on myRIO for real time applications. The expert also covered Sensors Integrated Applications for myRIO. The day concluded with hands on experience.

DAY-3: The third day of the FDP covered working with different iworx sensors i.e blood pressure sensors, pulse sensor, hand dynamometer, thermostat sensor, polar heart rate monitor, respiration belt, gas pressure sensor and event marker.

DAY-4: On the fourth day, **Mr. C. Pramod Kumar** and **Ms. K. Deepika** Asst. Profs, of the department started the program with a clear introduction on PLC and interacted with participations to know their knowledge and expectation from PLC. General examples were used to explain PLC and its function to the participants. PLC ladder programming instructions with simple real-time applications were discussed with MELSOFT iQ Works software.

DAY-5: The fifth day of the program started with a small introduction of **Mr. P. Hari Babu**, Sr. Engineer, Mitsubishi Electric Private India Ltd. He gave the introduction on PLC Ladder Programming Intermediate Functions and Applications. He also discussed about the introduction of Q-Series PLC analog input and output modules and showed the respective specifications with its features. Mr. Hari Babu also did PLC programming for Analog Scaling & Control using Ladder Logic. GXworks2 Programming Development & Configuration settings for Encoder Module and Applications were also discussed. Participants actively did the programming and checked the operations on FA learning Setup by connecting their laptops through the cables directly with PLC. ME Cup students stayed back to discuss their application oriented ideas with the resource person.

DAY-6: The last day ended with discussions on various features of cc-link i.e. field networks and QJ61bt11N remote I/O module, their respective addressing formats & configuration settings of master & slave stations of remote I/O modules. Basic HMI tools and various graphical screens were developed using

GT designer programming. Participants actively did the programming and checked the operations on GOT1000 HMI unit. The program came to an end successfully, while the participants gathered maximum knowledge of Virtual Instrumentation, PLC's & HMI and how to work with NI LabVIEW, PLC's & HMI. The program ended with high tea after a short valedictory function. Later the participations were given certificates.

Workshop Convener
Dr. S. Harivardhini, HoD

Workshop Chief Coordinator
Dr. Narendra B. Mustare, Professor

Workshop Coordinators
Ms. V. Sreelatha Reddy, Asst. Prof.
Mr. G. Venkateswarlu, Asst. Prof.

Guest Lecture:

A guest lecture was conducted by the Department on "Gyroscopes in Missile Technology" by Er. K. Narsingam, Manager, BDL, Hyderabad, on 23 July, 2019.



Guest lecture on Gyroscopes in Missile Technology

Department Achievements

1. **Dr. Santosh Kumar Sahoo**, Assoc. Prof. was awarded the Best Researcher Award by ESN publications in September, 2019.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. K. Venkatesh Sarma**, Professor. published a paper on "Wlanc Scheme To Monomodal Brain Icon Registering", in the International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume 8, Issue 11 in September, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. Ms. V. N.V. L. S Swathi and Ms. A. Swathi, Asst. Profs. participated in a two day FDP on “**Data Science**”, at JNTUH on 22 & 23 July, 2019.
2. Mr. A. Nagaraju, Mr. K. Manoj Kumar and Ms. K. Ambika, Asst. Profs. participated in a five day FDP on “**Programming for Problem Solving-A Pedagogical Approach**”, at JNTUH from 22 - 26 July, 2019.
3. Ms. M. Vasavi, Asst. Prof. participated in a one week workshop on “**Data Science**”, organized by CBIT from 5 – 10 August, 2019.
4. Ms. S. Suguna Mallika, Assoc. Prof. participated in a three day workshop on “**AICTE Mandate- Examination Reforms-Outcome Based Teaching, Learning & Assessment Strategies**”, at JNTUH from 25 - to 27 September, 2019.
5. Ms. Ch. Bhavani and Ms. P. Madhavi, Asst. Profs. participated in a one week FDP on “**Research Methodology Approach**”, at JNTUH from 16 - 21 September, 2019.

Guest Lectures:

1. Dr. M. Raghava, Professor was a Resource Person for two sessions in a one week FDP and also delivered a lecture on “**Image Processing, Pattern Recognition and Machine Learning**”, at Sreenidhi Institute of Science and Technology from 15 - 20 July, 2019.

Faculty Achievements

1. Mr. B. Ashwin Kumar, Asst. Prof. completed an NPTEL course on “**Business Analytics and Text Mining Modeling using Python**”, in September, 2019.

DEPARTMENT OF INFORMATION TECHNOLOGY

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. Dr. J. Sengathir, Assoc. Prof. published a paper on “**A Hybrid Artificial Bee Colony and Bacterial Foraging Algorithm for Optimized Clustering in Wireless Sensor Network**”, in the International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol 8, Issue 10 in August, 2019 .
2. Dr. G. N. Balaji, Asst. Prof. published a paper on “**Computer-Aided Detection and Diagnosis of Diaphyseal Femur Fracture**”, (Scopus indexed) in Smart Intelligent Computing and Applications, Springer, Vol:1 in September, 2019.

Workshops Organized

FDP on Front End Engineering

IT department organized a one week Faculty Development Programme (FDP) on “**Front End Engineering**”, for the faculty members of CSE, IT and CSIT Departments from 27 - 31 August, 2019 at CVR College of Engineering. The FDP was organized in association with Virtusa Consultancy. The resource persons were invited from various industries.

1. Mr. Varma Bhupatiraju, Managing Director, Stellent Soft. Pvt. Ltd
2. Mr. Karthik Rachamalli, Platform Engineer, Paysafe group
3. Mr. G. Sudheer, Virtusa Consulting Services
4. Mr. Harshit Kumar, Walmart Labs

The total numbers of candidates who registered and participated were 40, out of which 14 were faculty members are from IT Dept, 12 from CSE Department and 14 were M. Tech students.

Guest Lecture:

1. **Dr. B. B. Jayasingh**, Head, IT Dept. delivered a talk on “**Enhance Cyber Security through Tools and Techniques of Cryptography and Image Steganography**”, in the All India Seminar on “**Cyber Security and Image Processing**”, held at the Institution of Engineers, Telangana State Centre, Hyderabad, on 10 & 11 August, 2019.

DEPARTMENT OF MECHANICAL ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. M. Venkata Ramana**, Professor. published a paper on “**An Experimental Investigation on Compact Graphite Iron wear behavior at 32° C and 200° C**”, in Materials Today: Proceedings, in September, 2019.

Paper Presentation in National / International Conferences

1. **Mr. G. Naveen Kumar** and **Mr. G. Bharath Reddy**, Assoc. Profs. presented a paper on “**Preparation and Characterization of Polymer based Capsule used for Energy Storage in Buildings**”, in the International Conference on Advances in Polymer Science and Rubber Technology at IIT Kharagpur, from 24-27, September 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Dr. Shashidhar S Kudari**, Professor. participated in a National Workshop on “**Research Integrity & Awareness**”, conducted by Ministry of HRD, Govt. of India, at University of Hyderabad on 5 August, 2019.
2. **Dr. Shashidhar S Kudari**, Professor, participated in a seminar on “**Research Methodology**”, conducted by Dept. of Mech. and Civil Engg, CVRCE on 10 August, 2019.
3. **Dr. Shashidhar S Kudari**, Professor, participated in a one week Faculty Development Program on “**Hands on Training on Virtual Instrumentation and Industrial Automation**”, conducted by Dept. of EIE, CVRCE, from 26 - 31 August, 2019.
4. **Dr. Shashidhar S Kudari**, Professor. participated in a one day Principals meet on the theme “**Challenges of Academic Administration in 21st Century**”, conducted by UGC, HRDC, JNTU- CEH on 27 September, 2019.
5. **Mr. G Naveen Kumar**, Assoc. Prof. participated in the International Conference on Advances in Polymer Science and Rubber Technology (APSRT- 2019), conducted by Rubber Technology Center, IIT- Kharagpur, on 24-27 September, 2019.

Workshops/Conferences/Seminars

MATLAB for Mechanical Engineers:

A three-day workshop on “**MATLAB for Mechanical Engineers**”, was organized by Department of Mechanical Engineering from 11-13 July, 2019. There were 62 participants. The key resource person for the workshop was **Dr. Ravi N Methekar**, Professor, VNIT, Nagpur. The workshop was conducted for the faculty and students of the department to explore the uses of MATLAB Applications. In this workshop, basics of the MATLAB tools were discussed at length and applicability of MATLAB in research and product development was touched upon. The workshop focused mainly on Modeling, Simulation and Prototyping of Mechanical Engineering problems with illustrations.



Dr. Ravi N Methekar at the Workshop

Research Methodology

A one day seminar was organized on “**Research Methodology**” by Mechanical & Civil Engineering departments on 10 August, 2019. The speakers expressed valuable points on research. The workshop was inaugurated by **Dr. Lal Kishore**, Professor, Dean Research and Development, HoDs and Professors from Mechanical and Civil departments. All the dignitaries spoke about the importance of research and Ph. D registrations.

The morning session started with Dr. Lal Kishore who elaborated upon research methodology, scope of research, what constitutes research topics, what are the limitations, what is literature review, where do I find literatures, how to select an appropriate methodology, and data analysis. The afternoon session started with **Prof. Rameshwar Rao**, Professor, Dean Projects, who explained about how to proceed with a defined problem and different funding agencies & grants. The seminar ended with a valedictory. This seminar was coordinated by Mr. P. Ravi Kumar, Asst. Prof ME Dept. and Mr. N. Ramanjaneyulu, Asst. Prof CE Dept.

Refrigeration & Air Conditioning

A seminar was organized on 11 September 2019 on “**Refrigeration & Air-conditioning**”, by the Department. The session started with an inaugural followed by the introduction of the speaker by **Dr. M. Venkata Ramana**, Head of the department. In the morning session the resource person **Mr. L. V. Ram Prasad**, Former Senior Manager, Subros Limited, Noida dealt with the concepts of Refrigeration, Air Conditioning and Psychrometry in its easiest form. The afternoon session was conducted by **Dr. M. Sowjanya**, Professor, Mechanical Engineering Department CVRCE in which she explained the concepts of Heat Transfer in Refrigeration and Numerical Methods in CFD. The seminar ended with a valedictory function. This seminar was Co-ordinated by Mr. G. Naveen Kumar, Assoc. Professor, Mr. P. Sreenivas Reddy and Ms. N. Ankitha, Assistant Professors in the department.

Guest Lectures:

Advanced Structural Simulations and Optimization

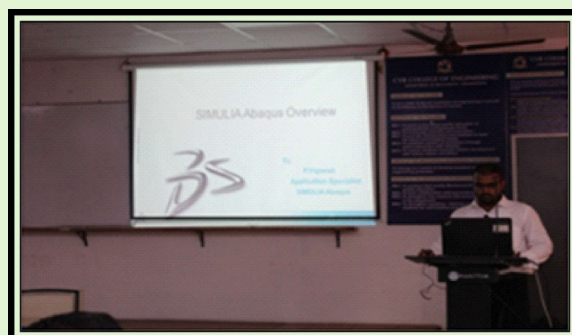
A guest lecture was organized on 26 July, 2019 on “**Advanced Structural Simulations and Optimization**”. The speaker was by **Mr. P. Vignesh**, Application Specialist at EDS Technologies Pvt. Ltd. He addressed the final year students and faculty members of Mechanical Engineering Department and gave inputs on Simulia, Simulation and Realistic Simulation, Need of Simulation, Thermal & Structural Analysis, Automotive Simulation, Blast Analysis,



Dr. Lal Kishore Delivering the Talk



Inauguration of the Seminar



Mr. P. Vignesh Addressing the Participants

and various industries using Simulation Process. He also emphasized on the terms Fe- Safe, I Sight, Tosca, XFEM, Optimization, Abaqus capabilities and Applications of Abaqus. He illustrated them with a case study of Iceberg to drinking water.

Career Awareness Session on GATE & UPSC Exams

A guest lecture was organized on 31 July, 2019 on “**Career Awareness Session on GATE & UPSC Exams**”. The resource person was by **Mr. P. Laxmi Narayana**, E-Learning Evangelist & Director Academic Sales and Liasoning at Mindvis. He addressed B. Tech 3rd year and 4th year students of Mechanical Engineering Department and enlightened them on career prospects after their graduation, importance of GATE examinations, importance of UPSC examinations, and value of time management in Gate and UPSC Examinations. He also spoke at length about concepts related to Thermodynamics, Strength of Materials and Engineering Mechanics and enlightened PSU aspirants about job opportunities in the Government of India.



Mr. P. Laxmi Narayana at the Guest Lecture

3D-Printing Technology

A guest lecture was organized on “**3D-Printing Technology**”, by **Mr. D. Naresh**, Design Engineer, S.S.V Electricals Pvt. Ltd on 14 August, 2019. He addressed the students of B. Tech III Year (Sections – A & C) and a few students of II year of Mechanical Engineering expressed their valuable points regarding Additive Manufacturing, Rapid prototyping, Difference between Subtractive Manufacturing, Additive Manufacturing and Conventional Manufacturing. Dr. Naresh displayed various 3D Printed Objects and finally gave a brief explanation about materials used in 3D printing and Applications of 3D-Printing.



Mr. D. Naresh at the Guest Lecture

Product Development Cycle-Innovation to Production Scaling

A guest lecture was organized on “**Product Development Cycle-Innovation to Production Scaling**” by **Dr. P. Chander Sekar**, Technical Director-Management Consultant & Project Development, Technique Design Group on 22 August,



Dr. P. Chander Sekar Delivering the Lecture

2019 . He addressed the students of B. Tech III Year (Sections – B & D) of Mechanical Engineering and expressed valuable points regarding how to convert ideas to reality, System Engineering, Product Development, Problem Identification, Specification Requirements, Engineering Requirements, Concept Generation, Methodology, Project Management, Concurrent Engineering, Product Development Process, Bottom up Design, Assembly of Product, Engineering Validation Tests, QA & QC Process, and Marketing & Supplying.

DEPARTMENT OF CIVIL ENGINEERING

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals

1. **Dr. M. V. Seshagiri Rao**, Professor. published a paper on “**Durability Studies on Glass Fibre Reinforced Self Compacting Concrete**”, in the CVR Journal of Science & Technology, Vol.16 in June-July, 2019.
2. **Dr. M. V. Seshagiri Rao**, Professor. 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 in June-July, 2019.
3. **Dr. M. V. Seshagiri Rao**, Professor and **Mr. T. Manoj**, Asst. Profs. published a paper on “**Studies on Influence of Admixtures and Aggregate Curing Conditions on the Strength of Lightweight Expanded Clay Aggregate Concrete**”, in the CVR Journal Of Science & Technology, Vol.16 in June- July, 2019.
4. **Dr. M. V. Seshagiri Rao**, Professor. published a paper on “**Strength Conversion Factors for Concrete Based On Specimen Geometry, Aggregate Size and Direction of Loading**”, in an International Journal of Recent Technology and Engineering(IJRTE), Vol. 8 in July, 2019.
5. **Mr. B. Jagadeesh**, Asst. Prof. published a paper on “**Analysis of Steel Structures by Using Dampers and Bracings under Lateral Loads**”, in an International Journal of Research, Vol.8 in July, 2019.
6. **Mr. K N V Chandrasekhar**, Asst. Prof. published a paper on “**Topology Optimization of a Three Dimensional Fixed Beam Carrying Transverse Load Using Evolutionary Swarm Intelligence Algorithm**”, in an International Journal of Mechanical Dynamics & Analysis, Vol.5 in July, 2019.

7. **Mr. KNV Chandrasekhar**, Asst. Prof. published a paper on **“On the Six Node Hexagon Elements for Continuous Topology Optimization of Plates Carrying in Plane Loading and Shell Structures Carrying out of Plane Loading”**, in the Journal of Applied and Computational Mechanics, Vol. 6, Issue 3 in September, 2019.

Paper Presentation in National / International Conferences

1. **Mr. B. Jagadeesh** and **Mr. T. SaiKeertan**, Asst. Profs. presented a paper on **“Effect Of Waste Ceramic Tiles As A Partial Replacement Of Aggregates In Concrete”**, in the 1st International Conference on Manufacturing, Material Science & Engineering (ICMMSE 2019) conducted by the department of Mechanical Engineering, CMR Institute of Technology, Hyderabad, on 16 & 17 August, 2019.
2. **Mr. S. Praveen**, Asst Prof. presented a paper on **“Impact of Mode Shift Behavior with the Introduction of Metro Rail Service from Nagole to Miyapur Corridor in Hyderabad City”**, in an International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019), organized by Department of Civil Engineering, NIT Warangal, Kazipet, from 13-15 September, 2019.

Participation in National / International / Conferences / Seminars / Workshops

1. **Dr. B N M Rao**, Professor. participated in a one day National Workshop on **“Impact of Autonomy in Higher Education Institutions”**, organized by the Civil Engineering Dept. JNTU, Hyderabad on 27 July, 2019.
2. **Dr. M. Srikanth**, Assoc. Prof, **Mr. T. Manoj** and **Mr.M Vamsi**, Asst. Profs. participated in a one day workshop on **“Speed and Safety Measures in Construction”**, organized by Institution of Engineers (India), Telangana, State Centre at Visvesvaraya Bhavan, Khairatabad, Hyderabad on 27 July, 2019.
3. **Mr. T. Sai Keertan** and **Mr. B. Jagadeesh**, Asst. Profs. participated in a 5-Day GIAN Course on **“Design of Concrete Structures Reinforced with Fiber Reinforced Polymer (FRP) Bars”**, organized by Civil Engineering Department at National Institute of Technology Karnataka, Surathkal from 29 July - 2 August, 2019.
4. **Dr. M Srikanth**, **Mr. P. Yashwanth**, **Mr. A. Vamsi Chaitanya**, Assoc. Profs, **Mr. N. Ramanjaneyulu**, **Mr. S. Praveen**, **Ms. S. Jyothsna Reddy**, **Ms. Gunda Sharanya**, **Mr.Vuppu Naveen**, **Mr. M. Vamsi**,

Mr K Mahesh, Mr. M.Ashok Kumar, Mr. Batchu Ramanjaneyulu, Mr. K. Ravi Chandra Reddy, Mr. P. Rama Krishna, Mr. B. Jagadeesh, Mr. Tirukovela Sai Keertan, Ms. J. Sandhya Rani, Mr. Tangudu Manoj, Asst. Profs of the Dept. participated in a one day seminar on **“Research Methodology”**, organized by the Mechanical & Civil Engineering Dept. CVRCE, on 10 August, 2019.

5. **Mr. M.R Raja Gopal**, Assoc. Prof and **Ms. S. Jyothsna Reddy, Ms. G. Sharanya and Ms. J. Sandhya Rani**, Asst. Profs. participated in a three day National Workshop on **“Solid Waste Management Practices 2019”**, organized by Civil Engineering Dept. CVRCE, from 19 -21 August, 2019.
6. **Mr. B. Jagadeesh** and **Mr. T. Sai Keertan**, Asst. Profs .participated in a five day GIAN Course on **“Design of Concrete Structures Reinforced with Fiber reinforced Polymer (FRP) Bars”**, organized by the Civil Dept. NITK Suratkal, from 29July-2 August, 2019.
7. **Mr. M. Ashok Kumar** and **B. Ramanjaneyulu**, Asst. Profs. participated in a five day GIAN Course on **“Seismic Soil-Pile Interaction”**, organized by the Civil Dept. NIT Trichy, Tamilnadu, from 5-9 August, 2019.
8. **Mr. M. Vamsi**, and **Mr. N. Ramanjaneyulu**, Asst. Profs. participated in a one day National Conference on **“Recent Innovations in Civil Engineering Materials (RICEM 2019)”**, at GRIET, Hyderabad on 17 August, 2019.
9. **Mr. M. Vamsi**, Asst Prof. participated in a two day National Workshop on **“Road Safety Engineering Workshop-2019”**, organized by the Department of Civil Engineering, MVSR Engineering College, Nadargul, Hyderabad on 20 & 21 September, 2019.
10. **Ms. S.Jyothsna Reddy, Mr. P. Ramakrishna, Ms .G. Sharanya and Mr. K. Mahesh**, Asst. Profs. participated in a three day National Workshop on **“Materials for Sustainable Infrastructure Development (MSID 2019)”**, organized by the Department of Civil Engineering, CVR College of Engineering, Hyderabad from 25- 27 September, 2019.
11. **Mr. P. Ramakrishna**, Asst. Prof. participated in a 5-Day GIAN course on **“Transportation in a High Technology, Automated, Connected Vehicle World”**, organized by the Department of Civil Engineering, NIT Warangal, from 16- 20September, 2019.
12. **Mr. A. Vamshi Chaitanya**, Assoc. Prof. and **Mr. M. Vamsi**, Asst. Prof. participated in a 5-Day GIAN course on **“Road Safety First: Effective Approaches, Practices to Attain Vision Zero”**, organized by the Department of Civil Engineering, IIT Roorkee, Uttarakhand from 30 September- 4 October, 2019.

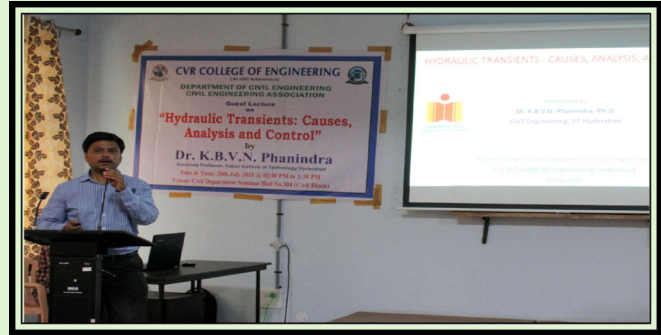
Sessions Chaired

1. **Dr. B. N. Malleswara Rao**, Professor. chaired a Technical Session of an International Conference on “**Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019)**”, organized by the Department of Civil Engineering, NIT Warangal, Kazipet on 14 & 15 September, 2019.

Workshop Organized

Hydraulic Transients: Causes, Analysis and Control

Civil Engineering Association organized a guest lecture for B. Tech. third year students on “**Hydraulic Transients: Causes, Analysis and Control**”. The resource person **Dr. K.B.V.N. Phanindra**, Asst. Prof. Indian Institute of Technology, Hyderabad, explained how the hydraulic transients or water hammer will have effect on the pipe networks used water supply and explained the measures to control such effects with case studies on 26 July, 2019.



Dr.K.B.V.N.Phanindra Delivering the Lecture

National Workshop on "Solid Waste Management Practices"

The Civil Engineering Association of Civil Engineering Department organized a three day National Workshop on “**Solid Waste Management Practices**” from 19 - 21 August, 2019. The inauguration session was graced by the presence of **Dr. Raghava V Cherabuddy**, Chairman, **Dr. K. Ramasastri**, Director, **Dr. K. S. Nayanathara**, Principal, **Prof. L. C. Siva Reddy**, Vice Principal, **Dr. T. Muralidhara Rao**, Head of the Civil



Inauguration of the National Workshop

Engineering Department and Professors of Civil Engineering Department. Students, faculty members from reputed institutes, and industry professionals participated in the workshop. **Mr. K. Ravi Chandra Reddy** and **Mr. V. Naveen**, Asst. Profs of CE Dept. were the organizers of this workshop.

The objective of the workshop was to give its participants an insight into the concept of Solid Waste and the need for its management, measures to be taken for solid waste management, rules and role of government in Solid Waste Management.

The Session 1 on the first day was delivered by **Dr. M. Chandrasekhar**, Professor & Head, Civil Engineering Department, NIT Warangal, on “**Need for Solid Waste Management**”. **Dr. Shashidhar**, Assoc. Prof & Head, Civil Engineering Department, IITH delivered session 2 on “**Managing Chromium Ore Processing Residues**”. A visit to **Jawaharnagar Dumping Site** was organised on second day to give them an idea of waste management process right from segregation to treatment. **Mr. S. A. Khadar Saheb**, **Joint Director (Retd.)** Municipal Administration delivered a lecture on Day 3 on “**SWM Rules 2019 & Government Role in SWM in India**”.

The programme ended with the valedictory session in which Head and Professors of Civil Engineering Department congratulated and thanked the participants and organizers for attending and organising this workshop respectively.



Mr.S.A.Khadar Saheb Delivering the Lecture



Organizers and Participants at the Workshop



Field Visit to Jawahar Nagar

Materials for Sustainable Infrastructure Development (MSID 2019)

The Civil Engineering Association of Civil Engineering Department organized a 3-Day National Workshop on “**Materials for Sustainable Infrastructure Development (MSID 2019)**”, from 25–27 September, 2019. The inaugural session was graced by the presence of **Dr. K.S. Nayanathara**, Principal, **Prof. L.C. Siva Reddy**, Vice Principal, **Dr. T. Muralidhara Rao**, Head of the Civil Engineering Department and Professors of Civil Engineering Department. Students and faculty members from reputed institutes and industry professionals

participated in the workshop. **Mr. A. Vamshi Chaitanya**, Assoc. Prof and **Mr. S. Praveen**, Asst. Prof. organized this workshop. The workshop received an overwhelming response. 90 participants from reputed institutions in and around Hyderabad attended the workshop. The workshop was intended to give the participants an insight about the materials used for sustainable infrastructure development in the country.

The first session of the first day was delivered by **Dr. V. Vinayaka Ram**, Professor, Civil Engineering Department, BITS-Pilani, Hyderabad on the topic of “**Construction Chemicals, Recycled Asphalt Pavements & Building Derived Waste Materials for Pavements**”. **Dr. R. Parameshwaran**, Professor, Civil Engineering Department, BITS-Pilani, Hyderabad delivered session 2 on the topic of “**Green Building Materials, Nano Materials & Applications**”. A visit to **Pavements Characterization Site** was conducted on second day to give the students an idea on the concepts and applications of ROMDAS Survey Vehicle, ROW Video & RAMS System with a demo lecture by resource person from SATRA Infrastructure Management Services Pvt Ltd, Hyderabad.

Dr. R. Srinivasa Kumar from University College of Engineering, Osmania University, Hyderabad delivered a lecture on Day 3 on the topic “**Functional and Structural Evaluation of Pavements**”. **Dr. A. Ramesh**, VNRVJIET, Hyderabad delivered lecture on Day 3 about the topic of “**Advances in Binders Road Asset Management, Highway Development & Maintenance Management System**”. The programme ended with valedictory session in which the Head and Professors of the Department congratulated and thanked the participants and organizers for attending and organising this workshop respectively.

Guest Lecture:

1. **Dr. M. V. Seshagiri Rao**, Professor, delivered a keynote address on the topic “**Structural Engineering**”, and evaluated the technical paper presentations of the participants in a National Conference on Recent Advances in Civil Engineering-2019 at JNTU Hyderabad on 5 July, 2019.
2. The Civil Engineering Department hosted a Guest Lecture for B. Tech II Year Students on “**Study Skills and Mind Management**”. **Prof Adiraju Satyanarayana**, Ramakrishna Mutt, Hyderabad delivered a lecture on the topic. In the lecture, the Professor explained the functioning of Human Brain and its state while a person is performing meditation. He also explained about the effect of one person’s gestures on the behavior of surrounding people.

Industrial/Field Visit:

Field Visit to National Institute of Rural Development

The Civil Engineering Association of Civil Engineering Department organized a field visit to National Institute of Rural Development on 13 & 14 August, 2019 for B. Tech II year students. The National Institute of Rural Development and Panchayat Raj is an Indian institute for research in Rural Development. It is located in Rajendranagar, Hyderabad. This visit was intended to enlighten the students in the various methods used by NIRD for empowering villages,



Field Visit to NIRD

different construction techniques (Jack Arch House, Wattle and Daub House, Ferro-Cement Channel House, Filler Slab House, etc.) implemented in rural areas with less cost. The procedure of brick mould preparation was explained by a real-time small scale manufacturing unit maintained at NIRD. The visit was conducted for two days, with one session on each day. The Faculty who accompanied students for the visit were; Mr. N. Ramanjaneyulu, Ms. S. Jyothsna Reddy, Mr. B. Jagadeesh, Asst. Profs on 13 August, 2019 and Mr. P. Rama Krishna, Ms. J. Sandhya Rani, Mr. T. Manoj, Asst. Profs on 14 August, 2019.

Ph. D Colloquium

A Ph. D colloquium was held for research scholar **Mr. K Satya Sai Trimurthy Naidu** (Reg. No. 1203PH0513) under the supervision of **Dr. M. V. Seshagiri Rao**, Professor, CVR College of Engineering at JNTU Hyderabad on the topic “**Performance and Crack Healing Efficiency Evaluation of Fly Ash Based Bacterial Concrete**”, on 27 July, 2019.

Student Achievements

1. **Mr. S. Sravan Kumar**, M.Tech student published a paper on “**Analysis of Steel Structures by Using Dampers and Bracings under Lateral Loads**”, in the International Journal of Research, Vol. 8 in July, 2019.
2. **B. Rohith Kumar, M. VenkataPavan, S. SrinivasHaribabu, B. Shirisha, M. Sowmya, Pandhiri Swetha, M. Yashaswi, N. Sarvotham Reddy, G. Prudhvi, C. Archana, B. Anjali, G. Rajesh Yadav, M. Venkat Sai, G. SaiPraneeth Reddy, K. Arpitha, B. Sirichandan Reddy, S. Pavan Kumar, G.**

Pranav Raj Goud, E. Madhava Reddy, M. Kapileshwar, P. Devipriya Pillay, G. Esha, J. Phalguna, V. Venkata Nikhil Reddy, Siri Chandana, T. PreethiBhavani, K. Srivathsava and T. Ujwal Kumar, B. Tech Students of Civil Engineering Dept. organized a three day National Workshop on “**Solid Waste Management Practices**” in CVRCE, from 19 - 21 August, 2019.

DEPARTMENT OF HUMANITIES AND SCIENCE

ERUDITION OF KNOWLEDGE

Publications in National / International Conferences / Journals:

1. **Dr. P. Vanishree Sah**, Assoc. Prof of Management Sciences published a paper on “**Comparative Analysis of Corporate Governance of ICICI Bank and SBI Bank**”, in an International Journal of Basic and Applied Research, Vol. 9 on 7 July, 2019.
2. **Mr. G. Sreedhar Sarma**, Assoc. Prof of Mathematics and **Mr. G. Narender**, Asst. Prof. of Mathematics, published a paper on “**MHD Stagnation Point Flow with Heat Transfer Past a Porous Sheet along with Viscous Dissipation and Thermal Radiation**”, in the CVR Journal of Science and Technology, Vol. 16 in July, 2019.
3. **Dr. G. Sreedhar Sarma**, Assoc. Prof, **Mr. K. Govardhan**, and **Mr. G. Narender**, Asst. Profs of Mathematics published a paper on “**Viscous Dissipation and Chemical Reaction Effects on MHD Casson Nanofluid over a Stretching Sheet**”, in the Journal of Engineering Sciences, Vol. 6, Issue 2 in August, 2019.
4. **Dr. G. Sreedhar Sarma**, Assoc. Prof, **Mr. K. Govardhan**, and **Mr. G. Narender**, Asst. Profs. of Mathematics published a paper on “**Numerical Study of Viscous Dissipation and Chemical Reaction in MHD Nanofluid**”, in the Malaysian Journal of Fundamental and Applied Sciences, Vol. 15, Issue 4 in August, 2019.

Paper Presentation in National / International Conferences

1. **Dr. P. Vanishree Sah**, Assoc. Prof of Management Sciences, presented a paper on “**Neural Marketing as a Marketing Technique**”, in a two day National Seminar on “**Advances in Finance and Marketing**”, organised under UGC SAP DRS- III, Osmania University, from 29 - 30 August, 2019.

2. **Mr. G. Narender**, Asst. Prof in Mathematics, presented a paper on “**Convection of Maxwell Nanofluid and Heat Transfer with the Effects of Viscous Dissipation and Chemical Reaction over a Stretching Sheet**”, in a two day International Conference on “**International Conference on Mathematical Sciences and Applications(ICMSA–2019)**”, conducted by the Department of Mathematics, School of Technology, GITAM University, Hyderabad from 9 - 11 August, 2019.
3. **Ms. P. Rajisha Menon**, Asst. Prof of English, presented a paper on “**English Language Teaching and Learning Through ICT Tools for Engineering Students**”, which was published in National Seminar Proceedings on Language and Literature: Their Significance to the Present Day Society, Vol. 2 in August, 2019.
4. **Ms. G. Hima Bindu**, Asst. Prof in Chemistry, presented a paper on “**Synthesis, Characterisation and Photocatalytic Activity of Novel Perovskites**”, in a two day International Conference on “**Advances in Catalysis: Industrial Outlook**”, organised by IICT-CSIR Hyderabad, from 1 - 2 August, 2019.

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

1. **Dr. P. Veeresham**, Professor of Physics, participated in a two day National Level Training on “**Evaluation Reforms in Higher Education**”, organized by University Grants Commission(Ministry of HRD), South Eastern Regional Office, at University of Hyderabad on 18 & 19 July, 2019.
2. **Dr. V. Seetha Rama Raju**, Assoc. Prof of Physics, participated in a one day sensitization workshop on “**Equity Action Plan**”, organized by JNTU Hyderabad under TEQIP- III on 11 July, 2019.
3. **Mr. B.N.V Uma Shankar**, Asst. Prof. of Statistics, participated in a two-day National workshop on “**Data Science and Deep Learning**”, organized by School of Information Technology, at JNTU Hyderabad on 22 & 23 July, 2019.
4. **Ms. P. Asifa Tazeem**, and **Ms. Lalitha. S**, Asst. Profs in Management Sciences, participated in a two day National Seminar on “**Advances in Finance and Marketing**”, organised under: UGC SAP DRS- III, Osmania University, Hyderabad, from 29 - 30 August, 2019.
5. **Mr. Thirupathi Damera**, Asst. Prof. of Chemistry participated in a three day International Conference on “**Advances in Chemical Sciences and Technology**”, which was organized by NIT Warangal from 23 - 25 September, 2019.

Workshop Conducted

FDP on Universal Human Values

In its guidelines issued in 2017 AICTE directed Engineering Colleges to organize a student Induction Programme for the new B.Tech I year students before commencing the regular teaching work. They have also issued some broad guidelines to conduct this programme with emphasis on importing “Universal Human Values” to effectively conduct the session on this subject teachers had to be systematically exposed to this subject.

So a “Faculty Development Programme” on “Universal Human Values” was organized on 16th, 17th & 18th July for faculty members in Humanities & Sciences Department. About 65 members attended the programme.

Dr. Hari Kumar Voruganti, Associate Professor in Mechanical Engineering in NIT Warangal delivered the lectures and interacted with the faculty members. He has been involved in delivering lectures in other institutions on this subject and so he was invited to act as resource person. The programme was funded by the College.

Guest Lectures

1. **Prof. Bandari Shankar**, Professor of Mathematics, delivered an invited Guest Lecture on “**MHD flow of Casson Nano Fluid over a Permeable Non-Linear Stretching Sheet**”, at a National Conference on Recent Trends in Applied Sciences and Computing Engineering, Kuvempu University on 26 & 27 July, 2019.
2. **Prof. Bandari Shankar**, Professor of Mathematics, delivered an invited Guest Lecture on “**Analytical Solutions of an MHD Heat and Mass Transfer of Jeffery Fluid Flow over a Stretching Sheet with the Effect of Slip Velocity**”, at a National Conference, Jaipur University on 28 & 29 September, 2019.

Minor Research Project Submission

Mr. Vittal. B, Asst. Prof. submitted UGC (University Grants Commission) Minor Research Project, on “**Statistical Modeling of Rainfall in Telangana State using Box-Jenkin’s Methodology**”, at New Delhi in July, 2019.

Entrepreneurship Development Cell

1. A one day workshop on “**Entrepreneurship**”, was organized for B. Tech III year and II year students. The guest speaker was **Mr. Rakesh Munnanooru**, Founder and CEO of Whistle Drive. He delivered a talk on the qualities of a successful entrepreneur, and also his experiences as an entrepreneur on 11 July, 2019.
2. A one day workshop on “**Entrepreneurship**” was organized for B. Tech III year and II year students. 25 July, 2019. The guest speaker was **Mr. Vijaya Ramaraju**, Founder and CEO of Instagreen. He delivered a talk on his journey from ideation stage to commercialization stage of his production.
3. A one day workshop on “**Entrepreneurship**” was organized for 60 students of B. Tech III year of all branches on 13 August, 2019. The guest speaker was **Ms. Sravani Ramiseti**, Consultant, McKinsey, USA. The guest speaker delivered a talk on the steps involved from idea generation stage to product prototype development stage. The students gave a positive feedback on the workshop.

Entrepreneurship Awareness Camp

“**Entrepreneurship Awareness camp**” was organized for 125 students of all branches of B.Tech III and IV year students from 26-28 Sept 2019. The camp was sponsored by Entrepreneurship Development Institute of India (EDII), Ahmedabad. The guest speakers on 26th September were **Mr. Abhimanyu Bharadwaj**, Founder of Launch Space, **Mr. Avanish Mundhra**, Founder of Cantilever Labs and **Mr. Vamsi T Mohun**, Founder of IFIT Forum. The Guest Speakers on 27th September were **Mr. Harsha Kankanala**, Founder of Edwisely and **Mr. Sri Charan Lakkaraju**, Founder of Stumagz. The Guest Speaker on 28th September was **Mr. Ganesh Rayala**, Marketing Head, Value labs. There was an industrial visit to T-Hub, IIIT Hyderabad on 28th September. Some of the topics covered during the camp were Modern Entrepreneurship, Innovation, and Product Design Thinking. There were hands-on sessions on Problem Identifying Activity, Pitching of Ideas and Validation of Ideas. The camp received a positive feedback from the students.

Faculty Achievements

Mr. Venkatesh Sripad, Asst. Prof. in Mathematics, completed a twelve week NPTEL course (July-September 2019), on “**Calculus of One Real Variable**”, with a consolidated score of 94% , conducted by National Programme on Technology Enhanced Learning (NPTEL).

FIT India Movement



Orientation and Induction Programme

