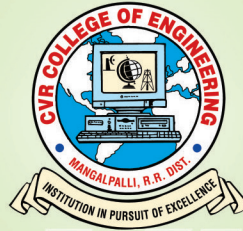


# CVR COLLEGE OF ENGINEERING

*(An Autonomous Institution)*



*In Pursuit of Excellence....*

# Aegle Vista '17 '17

Vol. 17

October – December 2017

Issue. 3

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## **EDITORIAL MESSAGE**

Dear readers, Welcome to the Aegle Vista Issue 17. Vol 3. In this edition we are covering the events in the college from October to December 2017. The college in this period has seen classes being held intensively, guest lectures and workshops being organized and students being taken on industrial visits to expose them to learning appropriate to their particular branches of engineering. There has been a solemn air of knowledge dissemination wafting through the campus as students were busy in classes or studying and writing examinations.

A small open air auditorium to host informal festivities and functions which the college chooses to call the “CVR Square” was inaugurated on 11 January, 2017. Students put up a modest cultural programme on this day to mark the inaugural of a space that they can call their own; a space where they can sing and dance impromptu or stand and opionate to their hearts content.

The college is preparing to face an inspection by the National Board of Accreditation in the month of February, 2018. Documentation of work done and meticulous attention to detail is being carried out for the same.

The wheels of the college are kept running smoothly and efficiently by our Chairman, Dr. Raghava .V. Cherabuddi whose relentless pursuit of excellence in ideas and their implementation motivates faculty members and students alike to put their best foot forward on all occasions.

The Aegle Vista team solicits your suggestions at all times to augment the content of the newsletter.

Wishing one and all a happy new year 2018 !!! Happy Reading.



## FLASH NEWS



The CVR College of Engineering, Hyderabad was chosen for the “Best Engineering College” award by the ISTE Andhra Pradesh and Telangana sectors for the year 2017. Dr. Nayanathara KS, the Principal of the college received award at the annual convention of the states of Andhra Pradesh and Telangana held at Aditya Institute of Technology and Management, Tekkali on December 29, 2017. Hearty congratulations to the management and all the employees of the college !!

### Awards Received by the Director and the Principal, CVRCE

1. The Principal, **Dr. Nayanathara KS** received an award from the Honorable Minister of Human Resources Development, Shri. Prakash Javadekar for having successfully conducted the **Smart India Hackathon** as the only Nodal Centre in Telangana in April, 2017 on October 16, 2017.



Principal Receives the Award for Hackathon

2. **Dr. K Rama Sastri**, the Director of the college received the **ISTE Lifetime Achievement Award** at the annual convention of the states of Andhra Pradesh and Telangana held at Aditya Institute of Technology and Management, Tekkali on December 29, 2017.



Dr.K. Rama Sastri Receiving Lifetime Achievement Award

### Principal CVRCE Delivers Distinguished Lecture and Graces Valedictory Function

1. **Dr. Nayanathara KS**, Principal and Professor of the ECE Dept. was the Chief Guest at the Valedictory function of the **Energy Conservation** Mission of the Institution of Engineers, Telangana State Centre on October 27, 2017. She delivered the Valedictory address.



Dr.Nayanathara K.S at the Valedictory

2. **Dr. Nayanathara KS**, Principal and Professor of the ECE Dept. delivered a distinguished lecture under the aegis of the Hyderabad section of the IEEE on “**Time Varying Electromagnetic Fields**”, at the Sasi Institute of Technology & Engineering, Tadepalligudem on September 16, 2017.

### NEW RECRUITMENTS

**CVRCE welcomes the following faculty members, who joined the college between October and December, 2017.**

S. No	Name of the faculty	Designation	Dept	D.O.J
1.	Dr. Kalla Madhusudhana	Assoc. Prof	CSE	14.10.2017
2.	Mr. D. Shyam Prasad	Sr. Asst. Prof	EIE	22.11.2017
3.	Mr. K. Rajesh	Asst. Prof	H n S (English)	22.11.2017
4.	Mr. P. Arul Nehru	Asst. Prof	H n S (English)	22.11.2017
5.	Dr. P. Hari Prasad	Asst. Prof	H n S (Maths)	23.11.2017
6.	Dr. Selvakumar R. K.	Professor	CSE	30.11.2107
7.	Mr. Venkatesh Sripad	Asst. Prof	H n S (Maths)	01.12.2017
8.	Dr. A.S.S. Murugan	Assoc. Prof	EEE	04.12.2017
9.	Dr. D. Obulesu	Asst. Prof	EEE	13.12. 2017
10.	Dr. Y. Sankara Rao	Asst. Prof	H n S (Physics)	13.12. 2017
11.	Dr. P. Ramakanth	Asst. Prof	H n S (Chemistry)	13.12. 2017

### FACULTY MEMBERS RELIEVED

**The following faculty members have taken relief from the services of the college during October – December, 2017.**

S. No	Name of the faculty	Designation	Dept	D.O.J
1.	Mr. R.Arun Kumar	Assoc. Prof	CSE	14/10/2017
2.	Ms. Sushma Bezawada	Asst. Prof	Mech	6/11/2017
3.	Ms. M. Meghana	Asst. Prof	CSE	21/11/2017
4.	Ms. Parvathy Sreeekumar	Asst. Prof	EIE	30/11/2017
5.	Ms. G. Vasavi	Asst. Prof	MECH	30/11/2017
6.	Mr. Ankesh Goyal	Asst. Prof	MECH	4/12/2017
7.	Mr. Vamshi Vijaykrishna	Asst. Prof	IT	4/12/2017
8.	Mr. R. Mahendar	Asst. Prof	Civil	11/6/2017
9.	Ms. K. Manasa	Asst. Prof	ECE	25/1/2017



## PROMOTIONS

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

S. No	Name of the faculty	Designation	Dept	D.O.J
1.	Dr. K. VenkateswaraRao	HoD	CSE	01.10.2017
2.	Dr. M. Raghava	Professor	CSE	01.10.2017

### Entrepreneurship Development Cell

1. A Faculty Development Programme on “**Entrepreneurship**” was organized by **National Institute of Micro, Small and Medium Scale Enterprises** and sponsored by CVR College of Engineering. The FDP programme was organized for two weeks from 30 October, 2017 to 11 November, 2017. Fifteen faculties from different departments of CVR College of Engineering participated in the FDP programme. Guest lectures were delivered by resource persons such as Dr. Nune Srinivasa Rao, Programme Director, NIMSME, Mr. Sampath Kumar, Head of Trade Finance, Telangana, Mr. Ankit Bhatnagar, Incharge of LIVELIHOOD Incubation Centre, NIMSME, Mr. K. Chandrashekar Babu, Telangana Nodal Officer, TS-ipass, Mr. Rama Iyer, Sr. Vice President, Head-Innovation and Strategic Alliance, T-Hub, Mr. S.V. Sarvanan, AGM, State Bank of India, Mr. Sanath Kumar, Deputy Director, CITD, Balanagar and Mr. Sh. P. R. Changanti, Branch Manager, National Small Industries Corporation Ltd.



Faculty Members at the Workshop

2. A guest lecture was organized by Entrepreneurship Development Cell on 9 December, 2017. **Mr. Subhajit Saha**, Head of Andhra Pradesh Technology Development and Promotion Centre of CII, Hyderabad, Registered Patent & Trademark Agent, delivered the guest lecture on “**Patenting Process in India and Abroad**”.



3. **Mr. L. NageswaraRao**, Asst. Prof. of ECE Dept. published a paper on **“Hybrid Rectangular Dielectric Resonator Antenna Withslot For Wban Applications”**, in the International Journal of Modern Trends in Engineering and Research (IJMTER), Issue 10. Vol. 4, in October, 2017.
4. **Dr. A. Rajesh and Mr. Gaurav Sharma**, Assoc. Prof. and Asst. Prof. of ECE Dept. published a paper on **“An Implementation of Smart Home Automation Control Using Brain Computer interface”**, in the International Journal of Recent Trends in Engineering and Research, Issue 10. Vol. 3, in October, 2017.
5. **Mr. Gaurav Sharma**, Asst. Prof. of ECE Dept. published a paper on **“The Relationship Between Differentiation Strategy and Firm Performance: a Mediating Role of Quality Management”**, in IOSR Journal of Mechanical and Civil Engineering, Vol. 3, in October, 2017.
6. **Ms. T Padmavathi**, Sr. Asst. Prof of ECE Dept. published a paper on **“BER Analysis and Design of CDMA Transmitter and Receiver Using Simulink”**, in the International Journal of Advance Engineering and Research Development Issue 10, Vol.4 in October , 2017.
7. **Ms. T. Subha Sri Lakshmi** Asst. Prof of ECE Dept. published a paper on **“Survey: Design Procedure of VLSI, FPGA and ASIC Life Cycle’s”**, in the International Journal of Advance Engineering and Research Development, Issue 11. Vol. 4, in November, 2017.
8. **Ms. S. Swetha** Asst. Prof of ECE Dept published a paper on **“Optimize Design of Full Subtractor Using 45nm Technology”**, in the International Research Journal of Science & Engineering, Vol. 5, in November, 2017.
9. **Dr. A. Rajesh**, Assoc. Prof and **Mr. Gaurav Sharma**, Asst. Prof of ECE Dept. published a paper on **“An Efficient Monitoring System in Hazardous Environment using Raspberry Pi Controller”**, in the International Journal of Modern Trends in Engineering and Research, Issue 11. Vol. 4, in November, 2017.
10. **Mr. Gaurav Sharma**, Asst. Prof. of ECE Dept. published a paper on **“Dynamic Range Normal Bisector Localization Algorithm for Wireless Sensor Networks”**, Wireless Personal Communications, Springer, Vol. 97. No. 3 in December, 2017.



## Paper Presentation in National / International Conferences

1. **Mr. Gaurav Sharma**, Asst. Prof of ECE Dept. presented a paper on “**Particle Swarm Optimization based Node Localization in Wireless Sensor Networks**”, in an International Conference on Emerging Developments in Engineering and Technology-2017 (ICEDET-2017), at Shivalik College of Engineering, Dehradun, Uttarakhand, on 11 & 12 November, 2017.
2. **Mr. Gaurav Sharma**, Asst. Prof of ECE Dept. presented a paper on “**Status of Use of Internet and Soft Technology in Small Business**”, in an International Conference on Emerging Developments in Engineering and Technology-2017 (ICEDET-2017), at Shivalik College of Engineering, Dehradun, Uttarakhand, on 11 & 12 November, 2017.

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

1. **Ms. Dhruva R. Rinku**, Assoc. Professor, and **Ms. P. Naga Malleswari**, Asst. Prof of ECE Dept. participated in a 2-day workshop on “**Technical Writing Skills**” at CVRCE on 6 & 7 October, 2017.
2. **Mr. K. Bapayya**, Asst. Prof of ECE Dept. participated in a 10-day FDP on “**Entrepreneurship Development**” held at NI-MSME, Yosufguda-Hyderabad, from 30 October -11 November, 2017.
3. **Mr. K. Bapayya**, Asst. Prof, Dept. of Electronics and Communication Engineering participated in a 1-day FDP on “**Industrial Internet of Things**” held at ECIL, Hyderabad on 28 October, 2017.
4. **Mr. L Manjunath**, Assoc. Prof, **Mr. Gaurav Sharma**, and **Ms. G. Yamuna** Asst. Profs of ECE Dept. participated in 1 week workshop on “**Signal Processing and Communications with Hands on using MATLAB**”, held at CVR College of Engineering, Hyderabad from 6 -11 November, 2017.
5. **Ms. J. Jyotsna**, Asst. Prof of ECE Dept. participated in 5 days GAIN course on “**Theory and Application of Correlation Filters for Computer Vision**”, held at Osmania University, from 13 – 17 November, 2017.
6. **Ms. S. Swetha**, Asst. Prof of ECE Dept. participated in 1 week national level FDP on “**Recent Trends in VLSI Design and its Applications**”, jointly organized by Electronics & ICT Academy, NIT Warangal, held at SRKREC, Bhimavaram from 20 - 25 November, 2017.
7. **Ms. G. Snehalatha**, **Mr. Rajagopal. K**, and **Ms. Nikita Singh** Asst. Profs of ECE Dept. participated in 1 week workshop on “**Digital System using FPGA and Simulink**”, held at CVR College of Engineering from 20 - 25 November, 2017.
8. **Ms. T. Padmavathi**, Sr. Asst. Prof and **Ms. K Sravanti**, Asst. Prof of ECE Dept. participated in a 2 week Faculty Development Programme on “**Hands on Approach of OFDM System Designing in MATLAB**”, held at KITS Warangal from 27 November – 8 December, 2017.

9. **Mr. K. Bapayya**, Asst. Prof of ECE Dept. participated in a 6-day Faculty Development Programme on “**Computer Vision and Image Processing**”, by E & ICT Academy – NITW held at CMRTES, Hyderabad from 4 - 9 December, 2017.
10. **Ms. T Padmavathi**, Sr.Asst. Prof, **Ms. K Sravanti** and **Ms. A Malleswari**, Asst. Profs of ECE Dept. participated in a 1 week workshop on “**5G Wireless Communications**”, held at JNTUH, Hyderabad from 18 – 23 December, 2017.

**Dean, Research, Dr. Lal Kishore attends the following:**

1. **Prof. K. Lal Kishore**, Dean Research, participated in the Executive Council Meeting of Rajiv Gandhi University of Knowledge Technologies (RGUKT), held at Tadepalli, Guntur Dist, on 27 & 28 October, 2017.
2. **Prof. K. Lal Kishore**, Dean Research, participated in the ISTE National Level Students Convention held in Meghalaya and in the ISTE Section Chairmen’s meeting held from 20 to 22 November, 2017.
3. **Prof. K. Lal Kishore**, Dean Research participated in the Joint Committee meeting of ISTE AP & TS Sections held in the chambers of VC JNTU Hyderabad regarding finalization of ISTE State Level Awards for the year 2017 on 9 December, 2017.
4. **Prof. K. Lal Kishore**, Dean Research participated in the ISTE National level committee awards meeting held at New Delhi on 12 December, 2017.
5. **Prof. K. Lal Kishore**, Dean Research participated in the ISTE State Level Awards function held at Aditya Institute of Technology & Science, Tekkali, Srikakulam Dist. on 29 December, 2017.

**Guest Lecture:**

**Dr. Humaira Nishat**, Professor of ECE Dept. delivered a two hour talk on “**MANETS and its Routing Protocols**”, on 23 November, 2017 in an AICTE sponsored two week Faculty Development Program (FDP) on “Simulation of Wireless Sensor Networks using NS2”, conducted during 20 November - 2 Dec 2017, in Sreenidhi Institute of Science and Technology (SNIST), Yamnapet, Ghatkesar, Hyderabad.

**Workshops Conducted by Department:**

The department of ECE conducted a one week workshop on “**Signal Processing and Communications with Hands on Session**”, from 6 - 11 November, 2017 at CVR College of Engineering. The resource persons for the workshop were from IITH, IIITH, NITW, OU, JNTU and Railtel Corporation of India. The workshop provided participants with an in-depth understanding of signal processing and advances in wireless



Inauguration of the Workshop

communications with hands on using MATLAB. The total number of participants was 62 out of which 17 were from other institutions. The chief coordinator of the workshop was **Dr. Humaira Nishat**, Professor ECE Dept.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ERUDITION OF KNOWLEDGE

#### Publications in National / International Conferences / Journals

1. **Dr. S. Venkateswarlu**, Professor and **Mr. K. S. V. Phani Kumar**, Asst. Prof of EEE Dept. published a paper on “**A Neuro-Fuzzy Controlled Solar Photovoltaic and PHEV based Frequency Regulation in a Microgrid without Storage System**”, in an International Journal of Green Engineering Issue: 1&2 .Vol. 7, in November, 2017.
2. **Mr. Ch. Lokeshwar Reddy**, Assoc. Prof, **Mr. P. Satish Kumar** Assoc. Prof of O.U., and **Ms. M. Sushama**, Professor in JNTUH, published a paper on “**Design and Performance Analysis of 7-Level Diode Clamped Multilevel Inverter Using Modified Space Vector Pulse Width Modulation Techniques**”, in an International Journal of Engineering, in November, 2017.

#### Paper Presentation in National / International Conferences

1. **Mr. Ch. Lokeshwar Reddy**, Assoc. Prof. of EEE Dept. along with **Dr. P. Satish Kumar**, Assoc. Prof of O.U. and **Ms. M. Sushama**, Professor in JNTUH presented a paper on “**A Novel PWM Technique to Reduce Total Harmonic Distortion for Multilevel Inverters**”, in an International Conference on Recent Innovations in Electrical and Electronics Engineering (ICRIEEE) organized by JNTUH on 29 & 30 December, 2017.



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

1. **Ms. Ch. Shravani, Ms. V. Sarada and Mr. T. Murali Krishna**, Asst. Profs of EEE Dept. participated in a 3 day workshop on “**Smart Homes, Measurements and Grids, using IoT**” at GRIET, Hyderabad from 10 - 12 October, 2017.
2. **Mr. K. S. V. Phani Kumar**, and **Mr. R. Harsha Vardhan**, Asst. Profs of EEE Dept. participated in a 2 week Faculty Development Programme in “**Entrepreneurship Development**”, conducted by “National Institute for Small and Medium Enterprises ( NI-MSME)”, from 30 October - 11 November, 2017.
3. **Ms. V. Sarada and Ms. K. Navya**, Asst. Profs of EEE Dept. participated in a short term course on “**Engineering Research Methodology**”, organized at Mechanical Engineering Department, Osmania University from 11 - 14 December, 2017.
4. **Mr. Rajesh Kumar**, Assoc. Prof, **Ms. Vimala Devi. V**, Sr. Asst. Prof, **Ms. G. Sravani** and **Ms. G. Divya**, Asst. Profs of EEE Dept. participated in a 1 week short term GIAN course on “ **High Voltage Gain Soft-Switching Advanced Current Fed Technologies for Micro Grids and Electric Transportation**”, conducted by Osmania University from 18 - 23 December, 2017.
5. **Ms. K. Deepika**, Asst. Prof of EEE Dept. participated in a 5 day GIAN course on “**Alternate Energy Sources for Distributed Generation**”, at the National Institute of Technology, Warangal from 18 - 23 December, 2017.

## Workshops/Conferences Organized:

Department of EEE organized 2-Week Faculty Development Programme on “**Application of Power Electronics in Renewable Energy Systems**”, from 20 November to 4 December, 2017 for the benefit of faculty members of various engineering colleges and in-house faculty. The FDP was sponsored by AICTE, More than 70 participants which included teachers, researchers, and post graduate students from various colleges took part in the program. As part of the program participants were taken to Nagarjuna Sagar Hydro Power plant on 25 November, 2017. Resource persons were drafted from IITs, NITs, reputed universities and organizations. The topics covered by them are Solar Fed Inverters, MPPT Techniques, Wind Energy Systems, Controlling Techniques for renewable energy systems and power electronics applications to RES. There was one session on Sushumna Kriya Yoga Meditation which was conducted by Dr.Madhusree, Gynaecologist and Mrs.Indira from SKY Foundation. They explained the benefits of meditation and how to practice the same. The feedback was collected from all participants after every session. Couple of lab sessions were also conducted. Solar power plants of CVR college campus were also demonstrated to them. The feedback of the

## DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

### ERUDITION OF KNOWLEDGE

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

1. **Mr. P. Choudesh Varma, Mr. G. Venkateswarlu and Mr. C Pramod Kumar**, Asst. Profs of EIE Dept. participated in a 1 day workshop on “**The IOT and Smart Applications**”, conducted by ECIL, at Computer Education Division, Guest House Complex, ECIL, Hyderabad on 28 October, 2017.
2. **Mr. G. Venkateswarlu and Mr. K. Uday**, Asst. Profs of EIE Dept. participated in a 2 week Faculty Development Programme on “**Entrepreneurship Development Program**”, organized by National Institute for Micro, Small and Medium Enterprises (NI-MSME), Yousufguda, Hyderabad from 30 October-10 November, 2017.
3. **Mr. C. Pramod Kumar**, Asst. Prof of EIE Dept. participated in a 2 week AICTE sponsored FDP on “**Industrial Automation**”, organized by Sri Ramakrishna Engineering College, Coimbatore, Tamil Nadu from 20 November - 4 December, 2017.
4. **Ms. V. Srilatha Reddy**, Asst. Prof of EIE Dept. participated in a 1 week Faculty Development Programme on “**Computer Vision and Image Processing**”, at CMR Technical Campus Hyderabad, in association with E-ICT, NIT Warangal from 4-9 December, 2017.
5. **Mr. K. Uday**, Asst. Prof. of EIE Dept. participated in a short term course on “**Research Methodology**”, conducted by Mechanical Engineering Department of Osmania University, Hyderabad from 11- 14 December, 2017.
6. **Mr. O. Venkata Krishna and Ms. S. Harivardhagini**, Assoc. Profs of EIE Dept. participated in a Faculty Development Programme on “**Teaching Learning Process**”, organized by TLC at IIT, Hyderabad on 16 & 17 December, 2017.
7. **Ms. R. Prameela Devi**, Asst. Prof of EIE Dept. participated in a Faculty Development Programme on “**5G Communications**”, at JNTUH in association with E-ICT, NIT Warangal from 18- 23 December, 2017.

#### Inauguration of Measurements and Control Systems Lab

The Measurements and Control Systems Lab was inaugurated on 25 November, 2017 by the Principal Dr. K. S. Nayanathara, Vice-Principal Prof. L. C. Siva Reddy, Professor & Dean of Academics Dr. N. V. Rao, Professor & Head of EIE Department Dr. M. S. Bhat, Professor & Head of Mechanical Department Dr. M. Venkata Ramana and faculty members of EIE and Mechanical Engineering.. The laboratory is fully equipped to meet the requirement of experiments to be conducted under ‘Measurements and Control Systems’ for Mechanical



Inauguration of the Lab

Engineering branch as per CBCS curriculum. The laboratory will function under Department of EIE as service subject Lab. With the inauguration of the Laboratory, all the experiments to be performed by Mechanical engineering students under MCS Lab will be in a single place under one roof. The equipment worth Rs. 7, 35, 480/- was entirely funded by the college.

### Workshops Organized:

#### Advanced Instrumentation using PLC, SCADA & OPC

A three day student workshop was conducted by the EIE department for III year students on “**Advanced Instrumentation using PLC, SCADA & OPC**”, from 11-13 December, 2017. Two resource persons, **Mr. Harish**, Manager & **Mr. Sagar**, Technical Assistant from Technologies Going Solutions Private LTD, Bangalore conducted the workshop. 51 students participated enthusiastically in this workshop.

Ms. K. Padmaleela, Asst. Prof EIE coordinated the program and Mr. O. Venkata Krishna Associate Professor E.I.E was

the Chief Coordinator. At the end of the program a couple of students came forward and gave excellent feedback and appreciated the institution for supporting such workshops. The participants received their certificates at a valedictory ceremony attended by Dr. M.S.Bhat, Head, E.I.E and other faculties members of the department.



Participants at the Workshop

### Guest Lecture:

#### Prof. S. Narayana 7<sup>th</sup> Endowment Lecture

Prof. S. Narayana ( Professor of EIE) 7<sup>th</sup> Endowment Lecture was organized at the Institution of Electronics and Telecommunications Engineers, Hyderabad Center on 27 October, 2017. **Ms. V. Revathi**, Scientist G ( an IETE awardee of Ranjana Memorial Award for the year 2017) Defence Electronics Research Laboratory, delivered the lecture on the topic of “**Miniaturized Broadband Transmit and Receive Module for Electronics Warfare System**“, on the occasion with Prof. S. Narayana being at the centre stage. Among other dignitaries who attended the lecture, Dr.K. S. Nayanathara, Principal of our college and Dr. M.S. Bhat Head, EIE were also present.

### Industrial Visit

The students of IV EIE visited Srisailam Left bank Hydrel Power Plant on 9 December, 2017. This Industrial visit gave the students exposure and deep insight into Hydro Electric Power plants. The industrial visit focused on the technical features of the power plant, including distributed control systems and modern automation in the left bank power plant.

The whole team included 56 students and 6 faculty members of EIE Department.



Industrial Visit to Srisailam Left Bank Hydrel Power Plant



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ERUDITION OF KNOWLEDGE

#### Publications in National / International Conferences / Journals

1. **Dr. Nenavath Srinivas Naik**, Asst. Prof of CSE Dept. published a paper on **“Predicting High Blood Pressure using Decision Tree Based Algorithm”**, in the International Conference on Latest Advances in Machine learning and Data Science in October, 2017.
2. **Ms. V. N. V. L. S. Swathi**, and **Mr. Md. Umar**, Asst. Profs of CSE Dept. published a paper on **“A Novel Efficient Remote Data Possession Checking Protocol in Cloud Storage”**, in an International Journal for Technological Research In Engineering in October, 2017.
3. **Ms. Ch. Sharada**, Asst. Prof of CSE Dept. published a paper on **“Hotel Recommendation System Based on User Preferences”**, in ICRSBR from 9 - 11 November, 2017.
4. **Ms. Ch. Sharada**, and **Ms. M. Sathya Devi**, Asst. Profs of CSE Dept. published a paper on **“Imbalanced Big Data Learning using Feature Selection Undersampling”**, in ICRSBR, from 9 - 11 November, 2017.
5. **Dr. Md. Yusuf Mulge**, Professor of CSE Dept. published a paper on **“Impact and Consideration of Programming Constructs on JAVA and C# Source Code Readability”**, in an International Journal of Emerging Research in Management & Technology, Issue-11.Vol. 6 in November, 2017.
6. **Ms. M. Vasavi**, Asst. Prof. of CSE Dept. published a paper on **“Evaluation of Customers for Merchants in Digital Platforms”**, in the World Journal of Technology, Engineering and Research, Vol 1, Issue 1, in November, 2017.
7. **Mr. Kalla. Madhusudhana**, Assoc. Prof. of CSE Dept, published a paper on **“An Ontological Approach for User Profile Based Access Control System”**, in the International Journal on Computer Science and Engineering,. Vol. 9, Issue 11 in November, 2017.
8. **Mr. Suhail Afroz**, Assoc. Prof. of CSE Dept. published a paper on **“Mitigating Network Traffic while Job Execution and Improving the Job performance for Map Reduce Clusters”**, in the International Journal of Engineering Research in Computer Science and Engineering, Vol.4, Issue 11, in November, 2017.
9. **Mr. Suhail Afroz**, Assoc. Prof of CSE Dept. published a paper on **“Enhanced UI Design Features for End User to Interact With Database Servers”**, in the International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2017 IJSRCSEIT Vol. 2, Issue 6, in December, 2017.

10. **Mr. Suhail Afroz**, Assoc. Prof, and **Mr. Hanimi Reddy**, Sr. Asst Prof. of CSE Dept. published a paper on “**A Hash Map Based Binary Matrix Approach for Text Document Classification**”, in the CVR Journal of Science and Technology, Vol. 13, in December 2017.
11. **Dr. Kalla. Madhusudhana**, Assoc. Prof of CSE Dept. published a paper on “**A Study on Ontology Application Scenarios in e-Learning Domain**”, in the International Journal of Computer Applications, Vol. 180, Issue.4, in December 2017.
12. **Dr. A. Vani Vatsala**, Professor of CSE Dept. published a paper on “**Dynamic Checkpointing of Composite Web Services**”, in the International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCCE) Vol.3, Issue 12, in December, 2017.
13. **Dr. A. Vani Vatsala**, Professor of CSE Dept. published a paper on “**Execution Time Prediction for a Web Service Instance**”, in the International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCCE), Vol.3, Issue 12, in December, 2017.

#### **Participation in National / International / Conferences / Seminars / Workshops**

1. **Ms. M. Sunitha, Ms. S. Suguna Mallika**, Assoc. Profs, **Mr. R. Sahith**, Sr. Asst. Prof, **Ms. G. Ramya, Ms. G. Swetha, Ms. M. Satya Devi, Ms. Ch. Sharada, Ms. M. Archana, Ms. K. Sindhuja, Ms. Revathi Lavanya, Ms. A. Venu Madhavi, Ms. SK. Farhana, Ms. T. Lavanya and Ms. K. Manasa** Asst. Profs of CSE Dept. participated in a 2 day workshop on “**Technical Writing Skills**”, at CVR College of Engineering, Hyderabad on 6 & 7 October, 2017.
2. **Ms. S. Suguna Mallika**, Assoc. Prof of CSE Dept. participated in the “**India International Science Festival**”, at Anna University, Chennai from 13 - 16 October, 2017.
3. **Ms. M. Sunitha, Ms. D. Sandhya Rani, Mr. Bala Krishna Assoc Profs, Dr. Srinivas Naik**, Assoc. Profs, **Ms. M. Archana, Ms. P. Madhavi,** and **Ms. Ch. Bhavani**, Asst. Profs of CSE Dept. participated in a 1 week Gian course on “**Big Data Analytics for Humanitarian Causes**”, in Osmania University, Hyderabad, from 20 - 27 November, 2017.
4. **Dr. A. Vani Vatsala**, Professor **Dr. Usha Rani, Ms. S. Suguna Mallika**, Assoc. Profs, **Ms. V. Bhavya, Ms. Revathi Lavanya, Ms. M. Archana, Ms. K. Karthik, Mr. S. Srinivas Naik, Ms. Ch. Mamatha, Ms. T. S. P. Madhuri, Mr. T. Rama Krishna, Md. Umar, Ms. M. Sathya Devi, Ms. K. Deepthi Reddy, Ms. Ch. Sharada, Ms. G. Ramya, Ms. G. Swetha, Ms. M. Laxmi Jeevani, Ms. K. Sindhuja, Ms. Shaik Farhana, and Ms. A. Venu Madhavi**, Asst. Profs of CSE Dept. participated in a 1 week workshop on “**Internet of Things and Smart Applications**”, at CVRCE Hyderabad, from 27 November - 1 December, 2017.

## Workshops / Conferences Organized

1. **1<sup>st</sup> International Conference on Rough Sets and Soft Computing in Big Data Realm 2017** was hosted by CVR College of Engineering, Hyderabad, India from 9 - 11 November. It has gained its present elevated profile based on the tangible outcomes and accomplishments realized by our previous experiences at “National Conference on Rough Sets and Knowledge Discovery” (NCRSKD 2015) organized by CVRCE. The current version ICRSBR 2017 is an outcome of a series of deliberations with Indian Society for Rough Sets, JNTUH, OU, and NITW. It is also supported by International Rough Set Society, CSI, IETE, SITE, etc. More than 40 of CSE faculty took part in the conference.
2. 1 week Faculty Development Programme was organized by Department of Computer Science and Engineering on “**Internet of Things and Smart Applications**” from 27 November 2017 - 1 December, 2017 coordinated by Dr. D. Durga Bhavani, Professor, Dept. of CSE. Valuable sessions on various topics by eminent personalities from academia and industries marked the content of this one week FDP program. It was undoubtedly a space for gaining better understanding of the concerned subjects. It promoted professional development in every aspect, in addition to improving various skills that resonates with the faculty members’ individual goals, strategic priorities as well as departmental and institutional missions.



Workshop in Progress

## DEPARTMENT OF INFORMATION TECHNOLOGY

### ERUDITION OF KNOWLEDGE

## Publications in National / International Conferences / Journals

1. **Mr. Ch. V. S. Satyamurthy**, Assoc. Prof and **Mr. A. Seetharam Nagesh**, Sr. Asst. Prof of IT Dept. published the paper on “**Neoteric approach for data clustering through K-Means algorithm using Hadoop**” in the International Conference ICRSBR hosted by CVR College of Engineering, in November, 2017.
2. **Ms. S. Jyothsna**, Asst. Prof of IT Dept. published a paper on “**Client-Side Authorized Deduplication In Cloud Using PoW**”, in the International Journal of Computer Sciences and Engineering, Vol. 5, Issue-11 in December, 2017.
3. **Mr. Ch. V. S. Satyamurthy**, Assoc. Prof of IT Dept. published a paper on “**Distributing Contact Coordinate with Unknown Authentication of File Stored in Clouds**”, in IJSRCSEIT, Vol. 2, Issue 6, in December, 2017.

4. **Mr. Ch. V. S. Satyamurthy**, Assoc. Prof of IT Dept. published a paper on **”Extraction of Metadata from ETL Environment”**, in the International Journal of Emerging Technology and Advanced Engineering Vol. 7, Issue 12, in December, 2017.
5. **Mr. Ch. V. S. Satyamurthy**, Assoc. Prof, and **Mr. A. Seetharam Nagesh**, Sr. Asst. Prof of IT Dept. published a paper on **“Predicting Student Performance Using KNN Classification In Bigdata Environment”**, in CVR Journal of Science and Technology Vol.13, in December, 2017.

#### **Paper Presentation in National / International Conferences**

1. **Mr. Ch. V. S. Satyamurthy**, Assoc. Prof, of IT Dept. presented a paper on **“Metadata Based Semantic Query in Multilingual Databases”**, in 6<sup>th</sup> International Conference FICTA - 2017 hosted by KIIT Bhubaneswar, October 2017.

#### **Participation in National / International / Conferences / Seminars / Workshops**

1. **Ms. Srichandana Abbineni**, Asst. Prof of IT Dept. attended 2 weeks Faculty Development Programme (FDP) in **“Entrepreneurship Development”** organized by National Institute for Micro, Small and Medium Enterprises, Yousufguda, Hyderabad from 30 October to 11 November, 2017.
2. **Dr. H. N. Lakshmi**, Professor, **Mr. A. Seetharam Nagesh**, Sr. Asst. Prof of IT Dept. participated in Pre-conference workshop **“Introduction to Data Sciences”** followed by 2 days International Conference ICRSBR hosted by CVR College of Engineering, from 9 – 11 November, 2017.
3. **Ms. N. Pavani**, Sr. Asst. Prof, **Ms. G. Sunitha Rekha**, and **Ms. S. Jyothsna**, Asst. Profs of IT Dept. participated in short term course on **“Big Data Analytics for Humanitarian Causes”**, delivered by Mr. Vishnu S. Pendyala, Technical Leader, Cisco Systems, San Jose, USA, under the scheme of ‘GIAN’ sponsored by MHRD, Govt. of India, organized by the Department of CSE, Osmania University, Hyderabad from 20 - 27 November, 2017.
4. **Ms. D. Mamatha Rani**, Asst. Prof IT Dept. participated in Faculty Development Programme on **“SalesForce Trailhead Developer Educator”**, conducted by ICT Academy at BVRIT, Narsapur from 29 – 30 November, 2017.
5. **Mr. D. Bhanu Mahesh**, **Ms. T. Nishitha**, and **Mr. Bhargav Somisetty**, Asst. Profs of IT Dept. participated in a 1 week Faculty Development Programme on **“Internet of Things and Smart Applications”**, organized by Department of Computer Science, CVR College of Engineering, from 27 November - 1 December, 2017.
6. **Ms. E. Jyothi Kiranmayi**, Assoc. Prof of IT Dept. attended a Faculty Development Programme on **“Advanced Wireless Communications and Networks”**, conducted by VBIT, Hyderabad in collaboration with E&ICT Academy, NIT, Warangal from 11 - 16 December, 2017.



7. **Dr. H. N. Lakshmi**, Professor and **Mr. Bhargav Somisetty**, Asst. Prof of IT Dept. participated in a 1 week short-term training programme on “**Data Science Applications and Practices in R**”, at MJCET, Hyderabad from 13 - 18 December, 2017.
8. **Ms. N. Pavani**, Sr. Asst. Prof and **Ms. S. Jyothsna**, Asst. Prof of IT Dept. participated in the short-term course on “**Engineering Research Methodology (ERM – 2017)**”, in the Department of Mechanical Engineering, University College of Engineering (Autonomous), OU, Hyderabad from 11 – 14 December 2017.
9. **Ms. K. Anusha**, Asst. Prof of IT Dept. participated in 1 week Faculty Development Programme on “**Avenues for Technology & Research in IoT**”, organized by Dept. of IT at MGIT, Hyderabad in association with Swecha Academic Chapter, from 11 - 16 December, 2017.

### Workshops Organized

IT Department in coordination with IEEE CVRCE Student branch conducted 2 day national level workshop on “**Big Data and Hadoop**” on 6 & 7 October 2017. The resource person for the workshop was Mr. Jagnat Maheshwari, R&D Engineer and Technical Associate at Robokart.com, Mumbai. The workshop covered HDFS architecture, Hadoop Streaming, Accessing Hadoop Data. The total number of participants registered and attended was 87. Convener for the workshop was Dr. Bipin Bihari Jayasingh, Professor and HOD, IT.

### Guest Lectures:

1. IT Department organized guest lecture titled “**Programming Language for iOS and Agile Methodology**”, on 1 November, 2017. The lecture was delivered by Sai Kiran Mayee Maddi, iOS Mobile Application Developer (System Engineer) IBM Bangalore.
2. IT department organized a Technical Talk on “**Cloud Computing Virtualization & Challenges**”, for students by **Dr. Seetharamaiah**, Professor, IT Department on 13 December, 2017.
3. IT department organized a technical talk, on “**Why Android**”, for students by **Mr. G. Sandeep**, Software Engineer, Android Development, New Global Tech., Hyderabad on 14 December, 2017.
4. IT department organized **Career Guidance** lecture for students by **Ms. Vijaya Mair** on 14 December, 2017.

### Department Technical Fest

The Student Technical Association of IT department “IngenuTy” organized a departmental annual technical fest “**TECHSHAstra 2K17**” for the students from 12 - 15 December, 2017 at CVR College of Engineering. There were 6 technical events, 5 non-technical events, 3 guest lectures along with technical paper presentations arranged for the students. The souvenir of the technical fest was released in the valedictory



Valedictory Function, Techshastra 2K17

ceremony. The Chief Guest Prof. L. C. Siva Reddy, Vice Principal, CVRCE, addressed the gathering. The Guest of Honor was Dr. K. Lal Kishore, Dean Research. Dr. N. V Rao, Dean Academics, CVRCE along with Convener of the Tech Fest Dr. Bipin Bihari Jayasingh, HOD, IT and the president of the society Mr. T. Sai Shouri Gupta attended the fest.



Participants Receiving Certificates

## DEPARTMENT OF MECHANICAL ENGINEERING

### Publications in National / International Conferences / Journals

1. **Dr. B. K. Patle**, Assoc. Prof of Mechanical Engineering Dept. published papers on “**Path Planning for Robots by Cell Decomposition, Optimization of Cutting Parameters on Turning Process by using Response Surface Methodology, Calibration of Digital Vernier Caliper by using Standard Master Gauge Block Set**”, in the ITESM-2017 at Mats University, Raipur, Chhattisgarh, India on 11 November, 2017.
2. **Dr. Manjeet Kharub**, and **Dr. B. K. Patle**, Assoc. Profs of Mechanical Engineering Dept. published a paper on “**The Relationship between Differentiation Strategy and Firm Performance: A Mediating Role of Quality Management**”, in the International Organization of Scientific Research (IOSR), Vol. 3, in November, 2017.
3. **Mr. C. Sai Kiran**, and **Ms. J. Sruthi**, Asst. Profs of Mechanical Engineering Dept. published a paper on “**Design and Crash Analysis of a Passenger Car Using ANSYS Workbench**”, in CVR Journal of Science and Technology, Vol. 13, in December, 2017.

### Paper Presentation in National / International Conferences

1. **Dr. Manjeet Kharub**, Assoc. Prof of Mechanical Engineering Dept.. presented paper on “**Status of Use of Internet and Soft Technology in Small Business**”, in the International Conference on Emerging Developments in Engineering and Technology at Shivalik College of Engineering, Dehradun on 11 and 12 November, 2017.
2. **Dr. Uma Maheshwera Reddy Paturi**, Professor of Mechanical Engineering Dept. presented a paper on “**Application of Artificial Neural Network and Regression Analysis in Modelling of Surface Roughness in WS2 Solid Lubricant Assisted MQL Turning of Inconel 718**”, in the International Conference on Recent Advances in Materials and Manufacturing Technologies (IMMT 2017) organized

by department of mechanical engineering, BITS Pilani, Dubai campus, Dubai, UAE on 28 and 29 November, 2017.

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

1. **Mr. G. Naveen Kumar**, Assoc. Prof of Mechanical Engineering Dept. participated in International Conference on “**Nano Technology**”, at IIT Roorkee, from 6 – 8 December, 2017.
2. **Mr. B. Appalaidu**, Assoc. Prof of Mechanical Engineering Dept. attended a 2 day workshop on “**Engineering Mathematics and its Applications**”, organized by department of Humanities and Sciences, CVR College of Engineering on 8 & 9 December, 2017.
3. **Ms. G. Vanya Sree**, and **Ms. B. Sravya Reddy** Asst. Profs of Mechanical Engineering Dept. attended a 5 day FDP on “**Recent trends in Mechanical and Industrial Engineering**”, at MVSr College of Engineering from 11 - 15 December, 2017.
4. **Mr. Sunil Kumar**, Asst. Prof of Mechanical Engineering Dept. participated in 4<sup>th</sup> International Conference on “**Industrial Engineering**”, organized by SV National Institute of Technology, Surat from 21 – 23 December, 2017.
5. **Mr. C. Sai Kiran**, Asst. Prof. of Mechanical Engineering Dept. participated in the International Conference on “**Composite Materials and Structures**” (ICCMS 2017), organized by IIT Hyderabad, India from 27 – 29 December, 2017.

### Guest Lectures:

#### Geometric Dimensions and Tolerances (GD & T)

A guest lecture was delivered on 12 October, 2017 on Geometric Dimensions and Tolerances (GD & T) by **Sri G V N Murthy**, Consultant and Former DGM, HMT, Balanagar, Hyderabad at Mechanical Engineering seminar hall(EEE Block, Room No:303).

48 students from Final Year Mechanical Engineering A & D sections attended the lecture. Lecture was mainly concentrated on Basic Dimensioning Systems, Hole Based Systems and Shaft Based Systems and Symbols used in GD & T and their applications. This lecture was organized by **Mr. M. V. B. KrishnamRaju**, Assoc. Prof, and coordinated by **Dr. Arul** and **Dr. Srinivas**, Assoc. Prof .



Guest Lecture by Sri. GVN Murthy



Session in Progress



## Student Achievements:

**P.V.S Srikar Sastry**, student of mechanical department participated in the paper presentation event and secured first position at ATMOS 2017, the National Techno-Management Festival of BITS PILANI, Hyderabad Campus.

## Industrial Visits:

### Industrial Visit to Vizag Steel Plant

38 Students (28 boys & 10 girls) of III Year Mechanical Engineering visited VIZAG Steel Plant (Museum) on 28 November, 2017 which was organized by Mr. M. V. B. Krishnam Raju, Assoc. Prof. of Mechanical Dept. The visit was accompanied by four faculty members Mr. M. V. B. Krishnam Raju, Assoc. Prof, D. Rambabu, Asst. Prof, Ms. B. Jaya Sri, Asst. Prof (ECE Department) accompanied the group. During the visit students have seen live models of Coke Oven Batteries, Blast Furnace, Steel Melting Shop, Continuous Casting Machine, Merchant Rolling Mills etc. and acquired knowledge of liquid steel making from iron ore. Students explored about sources of raw materials like Iron Ore, Coke, Limestone, byproducts from Blast Furnace like Cement. Facilities seen were the live models of Steel melting shop, Continuous Casting Machine, end products like TMT bars, plain rods, wires, angles, channels, integrated steel plant and mini steel plant, importance of Steel for economic growth of the country.



Students at Vizag Steel Plant

### Industrial Visit to ATI Plant

46 students from III Year Mechanical Engineering visited ATI Training Center organized by Mr. M. V. B. Krishnam Raju on 29 December, 2017. Three faculty members namely Dr. T. G. Arul, Dr. B. K. Patle, Assoc. Profs, and Mr. T. Venkatesh, Asst. Prof, of Mechanical Department accompanied the group. During the visit students met the trainees being trained there, gained some knowledge on short term mechanical courses like PLC training program, CNC Training etc. All the queries of our students were addressed by their Training Manager Mr. Venkatesh, Advanced Training Institute, Vidyanagar, Hyderabad.



Students at ATI Plant

### Industrial Visit to Bangalore

46 Students (31 boys & 15 girls) of IV Year Mechanical Engineering visited Central Manufacturing Technology Institute (CMTI), Bangalore on 12 December, 2017 & Metal Injection Moulding (MIM), Bangalore on 13 December, 2017, respectively, organized by Mr. M. V.B. Krishnam Raju. Five faculty members namely Dr.





Students at CMTI



Students at INDO-MIM Pvt. Ltd.

T. G. Arul and Mr. M.V. B Krishnam Raju Assoc. Profs, Mr. V. Rahul, Ms. J Sruthi and Ms. V. Lavanya, Asst. Profs of the department accompanied the group.

During the visit students saw various metal forming equipments & techniques at CMTI. They also witnessed the manufacturing of radiator fins by using stainless steel metal powders at metal Injection Molding plant. Students saw Edge Grinding Machines, Electric Discharge Machining machines (EDM) and robots used for material handling. Students also witnessed sintering of metal powder plant by using gas firing technique etc. In addition to industries, students also visited Krishna Raj Sagar Dam and Mysore palace on 14 December and Coorg on 15 December, 2017. During the visit students experienced the high profile deep drawing machines. They were taken around the entire Injection Molding Plant. Students also enjoyed visiting the historical Tippu Palace and Brindavan Gardens.

## Department Events:

### 3-Day FDP on Emerging Trends in Manufacturing

A 3 day faculty development program on “Emerging Trends in Manufacturing” was organized by department of Mechanical Engineering from 21 - 23 December, 2017 at CVRCE. The program was co-ordinated by Dr. Venkatesha Prasanna, Professor and supported by Mr. M. V.B. Krishnam Raju, Assoc. Professor. 30 faculty members and 2 external faculty members attended the program along with 20 selected students from second and third year.

**Day-1:** The Program was inaugurated by Prof. L.C. Shiva Reddy, Vice Principal by lighting the lamp followed by a prayer song by Ms. Pooja Kulkarni, third year Mechanical Engineering student. Prof. A. Krishnaiah from OU, delivered a lecture on “Un-conventional Machining Techniques”. He was followed by PPC Prasad, former DGM, HMT - Hyderabad who delivered lecture on “Selection of Cutting Tool Materials for Mass Production”.

**Day-2:** Er. Durgaprasad ex railway employee, delivered a lecture on “Welding Techniques Adopted by Indian Railways”, and Prof. Lakshimi Narayana from OU, delivered a lecture on “Additive Manufacturing”.



Prof. Krishnaiah at the FDP

**Day-3:** Er. Praveen from Design Tech Solution delivered a lecture on “Analysis on Hyper Mesh” and Er. Santosh, Ex Intergraph employee, delivered a lecture on “Pipe Line Software Applications”. Internal faculty members Dr. M. Venkata Ramana, Professor & HOD delivered a lecture on ”REC Lamination of Molding Sand used in CO2 Molding” and Dr. Manjeet Kharub, Associate Professor, delivered lecture on “Lean Manufacturing”.



Mr. Santosh Delivering the Lecture

### National Energy Conservation Week Celebrations – 2017

Department of Mechanical Engineering conducted National Energy Conservation Week celebrations on 18 December, 2017.

### DEPARTMENT OF CIVIL ENGINEERING ERUDITION OF KNOWLEDGE

#### Publications in National / International Conferences / Journals

1. **Dr. T. Muralidhara Rao**, Professor and HOD, **Mr. KNV Chandrasekhar**, Asst. Prof and student **Ms. NSS Sahithi**, of Civil Engineering Dept. published a paper on “**Parallel Computing to Perform Isogeometric Topology Optimization of Continuum Structures using Aqua Search Evolutionary Algorithm**”, in the International Journal of Recent Trends in Parallel Computing, Vol. 4, Issue 2, in October, 2017.
2. **Mr. KNV Chandrasekhar**, Asst. Prof, of Civil Engineering Dept. students **Ms. K. Sreeja**, **Ms. B. Vinaya**, **Mr. M. Waheed**, published a paper on “**Design of an Offtake Structure for a Lift Irrigation System**”, in the Journal of Water Pollution & Purification Research, Vol. 4, Issue 3, in October, 2017.
3. **Dr. T. Muralidhara Rao**, Professor and HOD, **Mr. KNV Chandrasekhar**, Asst. Prof and student **Ms. NSS Sahithi**, of Civil Engineering Dept. published a paper on “**Isogeometric Topology Optimisation of Continuum Structures using Evolutionary Algorithms**”, in the Journal of Experimental & Applied Mechanics Vol. 8, Issue 3, in October, 2017.
4. **Dr. M. V. Seshagiri Rao**, Professor, of Civil Engineering Dept. along with research scholars **Mr. V. Srinivasa Reddy**, and **Ms. Ch. Sasikala** published a paper on “**Performance of Microbial Concrete Developed Using Subtilus JC3**”, in the Journal of Institution of Engineers (India), in October, 2017.
5. **Dr. T. Muralidhara Rao**, Professor and HOD, and **Mr. KNV Chandrasekhar**, Asst. Prof of Civil Engineering Dept. published a paper on “**A Step by Step Illustrative Procedure to Perform Isogeometric Analysis and Find the Nodal Displacements of a Two Dimensional Plate Structure**”, in i-manager’s Journal on Structural Engineering in December, 2017.

6. **Dr. T. Muralidhara Rao**, Professor and HOD, **Mr. KNV Chandrasekhar**, Asst. Prof and student **Ms. NSS Sahithi**, of Civil Engineering Dept. published a paper on “**A Detailed Step Wise Procedure to Perform Isogeometric Analysis of a Two Dimensional Continuum Plate Structure II**”, in the Journal of Aerospace Engineering and Technology (JoAET), in December, 2017.

#### **Paper Presentation in National / International Conferences**

1. **Dr. T. Muralidhara Rao** , Professor and HOD, Dept of Civil Engineering **Mr. KNV Chandrasekhar**, Asst. Prof and student **Ms. Sravali Thulla**, of Civil Engineering Dept. presented a paper on “**A study on Performance Based Indices to perform Topology Optimisation of Continuum Structures using Swarm Intelligence Firefly Algorithm – II**”, in the Indian Society for Theoretical and Applied Mechanics, University College of Engineering, Osmania University, India, from 15-18 December, 2017.
2. **Dr. T. Muralidhara Rao**, Professor and HOD, Dept of Civil Engineering **Mr. KNV Chandrasekhar**, Asst. Prof and student **Ms. NSS Sahithi**, of Civil Engineering Dept. presented a paper on “**Multi Population Parallel Search Engines to Perform Isogeometric Topology Optimisation of Continuum Structures Using Swarm Intelligence Aqua Search Algorithm**”, in the Indian Society for Theoretical and Applied Mechanics, University College of Engineering, Osmania University, India, 15-18 December, 2017.

#### **Participation in National / International / Conferences / Seminars / Workshops**

1. **Mr. M. R. Rajagopal**, Assoc. Prof and **Mr. P. Rama Krishna**, Asst. Prof of Civil Engineering Dept. attended a 2 week Faculty Development Programme on “**Entrepreneurship Development**”, organized by National Institute for Micro, Small and Medium Enterprises, Hyderabad from 30 October to 11 November 2017.
2. **Mr. M. Vamsi**, Asst. Prof of Civil Dept. attended “**78<sup>th</sup> Annual Session of the Indian Road Congress**”, at Bengaluru, from 3-6 November, 2017.
3. **Ms. G. Sharanya**, and **Mr. K. Mahesh**, Asst. Profs of of Civil Engineering Dept. attended a 1 week National Workshop on “**Traffic and Transportation Planning for Smart Cities**”, at VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad from 20-25 November, 2017.
4. **Mr. K. Ravi Chandra Reddy**, Asst. Prof of Civil Engineering Dept. attended an International Conference on “**Environmental Management (ICEM-2017)**”, at JNTU Hyderabad from 27 – 30 November, 2017.
5. **Mr. G. Sai Anvesh** and **Ms. P. Divya**, Asst. Profs of Civil Engineering Dept. participated in a 5 day GIAN short term course on “**Pavement Preservation and Environmental Impact Assessment of Recycled Materials in Pavement Management**”, organized by Department of Civil Engineering, IIT Madras from 4 - 9 December, 2017.

6. **Mr. Emmadi Srikanth and Mr. B. Ramanjaneyulu**, Asst. Profs of Civil Engineering Dept. attended a 5 day Faculty Development Workshop on “**Effective Teaching and Learning of Geotechnical Engineering using Field Practices and Case Studies**”, at NIT Warangal, from 6 - 10 December 2017.
7. **Mr. B. Jagadeesh, Ms. S. Jyothsna, and Ms. J. Sandhya Rani**, Asst. Profs of Civil Engineering Dept. attended a 1 day National Workshop on “**Seismic Design and Detailing of Reinforced Concrete Buildings**”, at JNTU Hyderabad on 9 December, 2017.
8. **Mr. N. Ramanjaneyulu**, Asst. Prof of Civil Engineering Dept. attended 2 days National Conference on “**Recent Innovations in Civil Engineering**”, at Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad from 15 -16 December, 2017.

#### **Workshop Conducted:**

Civil Engineering Department organized and conducted a 2 day workshop on **Urban Traffic Modeling Using VISSIM (UTMV-2017)** from 9 - 10 Nov, 2017 at CVR College of Engineering.

The objective of workshop is to introduce traffic simulation software VISSIM and VISTRO to the traffic/ transportation engineering students and professionals and to provide working knowledge on the various methods of traffic signal designs, evaluation and analysis of various traffic operations.

#### **The hands-on workshop covered:**

- Introduction to Transportation Engineering
- Fundamentals of Traffic Engineering
- Microscopic and Macroscopic Modelling
- Principles of Traffic Signal Design
- Pre-Timed and Vehicle Actuated Signal Design
- Road Network Creation Using Google Maps
- Network Performance Analysis
- Introduction to COM –Programming
- Impact Analysis of Various Traffic Operations

At the end of the workshop the participants were able to Model, Analyze and Design a traffic signal using VISSIM and VISTRO software.



## DEPARTMENT OF HUMANITIES AND SCIENCE

### ERUDITION OF KNOWLEDGE

#### Publications in National / International Conferences / Journals

1. **Mr. G. Narender, Ms. V. V. L. Deepthi and Ms. S. Indira**, Asst. Profs of Mathematics, published a paper on **“Oscillatory Behavior of Solutions of Third-Order Nonlinear Differential Equations”**, in the International Journal of Scientific and Innovative Mathematical Research (IJSIMR), Vol. 5, Issue 6, in October, 2017.
2. **Dr. Raffiuddin**, Assoc. Prof of Mathematics, published a paper on **“Radiation and Mass Transfer Effects on MHD Oscillatory Memory Flow in a Channel Filled with Porous Medium in the Presence of Chemical Reaction”**, in an International Journal of Mathematics Trends and Technology (IJMTT), Vol. 51, Issue. 3, in November, 2017.
3. **Dr. P. Vanishree Sah**, Assoc. Prof of Management Sciences, published a paper on **“A Study on Investment Behavioral Patterns of Women Investors”**, in the CVR Journal of Science & Technology, Vol.13, in December, 2017.
4. **Dr. J. Ramesh Babu**, Asst. Prof. in Mathematics, published a paper on **“Agricultural Land Apportionment through Goal Programming”**, in the International Journal of Scientific Research in Science and Technology, Vol. 3, Issue 8, in December, 2017.

#### Paper Presentation in National / International Conferences

1. **Dr. K. T. Padma Priya**, Asst. Prof, of Environmental Sciences, presented a paper on **“Assesemnt of Water Quality and Management in The Godavari and Manjira Rivers of Telangana”**, in the 3<sup>rd</sup> International Conference on Environmental Management (ICEM-2017), organized by Center for Environment, Institute of Science and Technology, JNTU, Hyderabad during 27-30 November, 2017.
2. **Mr. R. Gautham Goud**, Asst. Prof of Statistics, presented a research paper on **“Statistical study of the relationship between Inflation and Economic Growth in India”** in the Third International Conference on Statistics for the Twenty-First Century, organised by Department of Statistics, University of Kerala and supported by American Statistical Association, at Techno Park Campus, Trivandrum during 14-16 December, 2017.
3. **Ms. Poornima B. Shetty**, Asst. Prof of Physics, presented a paper on **“Electrical Conductivity and Magnetic Properties of Chromium Substituted Lithium Nano-ferrites”** in a 1 day National Conference on “Recent Trends and Development in Material Science-2017 (NCRDMS-2017)”, organized by the Department of Physics, Ajantha Education and Military Preparatory Institute, Aurangabad, at Maulana Abdul Kalam Azad Research Center, Aurangabad on 16 December, 2017.

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

1. **Ms. G. Bindu** and **Mr. A. Hanumanth Reddy**, Asst. Librarians of Library Dept. participated in a five days Short Term Course on “**Information Technology for Information Management**”, held at National Institute of Technical Teachers Training and Research, Chandigarh (Ministry of Human Resource Development, Government of India) NITTTR, Chandigarh, from 8 - 12 August, 2016.
2. **Ms. G. Bindu**, Asst. Librarian of Library Dept. participated in 1 day “**Delnet Workshop**”, held at UGC-HRDC Auditorium, JNTU Hyderabad on 8 September, 2017.
3. **Mr. Sateesh Kandukuri**, Asst. Prof of Physics, attended GIAN (Global Initiative of Academic Networks) Course on “**Quantum Theory of Magnetism**” at NIT Warangal, from 30 October to 3 November, 2017.
4. **Dr. P. Vanishree Sah**, Assoc. Prof in Management Science, attended faculty development Programme on “**Entrepreneurship**” organised by National Institute for Micro, Small and Medium Scale Enterprises at, Yousufguda, from 30 October to 11 November, 2017.
5. **Mr. Raghavendra Kulkarni**, Asst. Prof of Physics, attended International Winter Course on “**Experimental Techniques for Nano Magnetic Materials-ETNM-2017**”, at Motilal Nehru National Institute of Technology, Allahabad, Uttar Pradesh, organised by Dept. of Physics from 30 October to 4 November, 2017.
6. **Ms. Himabindu**, Asst. Prof of Statistics, attended a 1 week Faculty Development Program on “**Recent Research Trends in DataSciences**”, organized by K. L. University, Vaddeswaram, in association with NIT, Warangal from 6 - 11 November, 2017.
7. **Ms. M. Srudeepthi** and **Ms. A. Rohini**, Asst. Profs of Environmental Studies, participated in a 2 day National Conference on “**Biodiversity and Human Health- Challenges, Opportunities for Conservation, Utilization and Policy making**”, organized by Department of Botany, Nizam College, Osmania University, from 17 - 18 November, 2017.
8. **Mr. N. Guruvaiah**, Asst. Prof of Management Sciences, attended a 2 week Faculty Development Program (FDP) on “**Research Methodology**” conducted by University of Hyderabad from 20 November to 3 December, 2017.
9. **Mr. M. Nuthan Kumar Reddy**, **Mr. Venkatesh Sripad**, **Dr. J. Ramesh Babu**, **Dr. G. Mallikarjun Reddy**, Asst. Profs and **Dr. Rafiuddin**, Assoc. Prof of Mathematics, participated in a 2 day workshop on “**Engineering Mathematics and its Applications**”, organized by H&S Department, CVR College of Engineering on 8 & 9 December, 2017.

10. **Dr. G. Mallikarjun Reddy**, Asst. Prof of Mathematics, participated in an International Conference on “**62<sup>nd</sup> Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2017)**”, at University College of Engineering, Osmania University, organized by Osmania University in association with IIT, Karagpur, from 15 - 18 December, 2017.

11. **Mr. Thirupathi Damera, Md. Kadeer and Mr. N. Hussain Basha** Asst. Profs of Chemistry, participated in a 3 day International Conference on “**Advanced Functional Materials**”, at IIT-BASAR from 18-20 December, 2017.

### Workshops Organized

1. A Two Day Workshop on “**Technical Writing Skills**” was organized by Computer Science and Engineering Department and Humanities and Sciences Department at CVR College of Engineering on 6 & 7 October, 2017. The Chief Coordinator of the workshop was Prof. M. Badrinarayana, Professor of CSE Dept. The organizing committee included Dr. P. Vanishree Sah, Assoc. Prof, Dept of H&S, Mr. Suhail Afroz, Assoc. Prof, Dept of CSE, Mr. R. Sahith, Sr. Asst. Prof, Dept of CSE and Ms.P.Asifa Tazeem, Asst. Professor, Dept of H&S. The workshop was formally inaugurated on 6 October, 2017. The inaugural session was attended by Dr. K. Lal Kishore, Dr. K. Venkateshwara Rao, Dr. E. Narasimha Charyulu and Prof. M. Badrinarayana. There were 60 faculties who registered and attended the 2 - day workshop. The key address was given by **Prof. Sumita Roy**. The second session was on Latex Lab which was conducted by Ms. G. Sandhya Rani, Assoc. Professor of CSE Dept. The third session was conducted by **Dr. Sriram Venkatesh**, Professor, Dept of Mechanical Engineering, Osmania University. The first session of the second day workshop was conducted by Dr. Jaya Verma and Dr. T. Hymavathi. The participants gave positive feedback on the 2 - day workshop.

2. **Dr. Satyanarayana K**, Professor in Mathematics, organized a two day workshop on “**Engineering Mathematics and its Applications**”, at CVR College of Engineering on 8 & 9 December, 2017. The resource persons were Prof. V. Kannan, HCU, Prof. Y. N. Reddy, NIT Warangal, Prof. M. A. Srinivas, JNTU Hyderabad, Prof. V. Hara Gopal, O.U, and Dr. Sri Vathsa, Scientist, DMRL. Around 40 participants attended the workshop. The feedback given by the participants regarding the workshop was positive.



Workshop in Progress

3. **Dr. Satyanarayana K**, Professor in Mathematics, organised the National Mathematics Day and delivered a guest lecture on “**Glimpses of Ramanujan’s Life and His Works**”, at CVR College of Engineering on 22 December, 2017.



Presentation on National Mathematics Day

### Guest Lectures:

1. **Dr. Satyanarayana K**, Professor in Mathematics, delivered a guest lecture on ”**Tower of Hanoi**”, at Rajiv Gandhi University of Knowledge Technologies, Basara, on 16 December, 2017.
2. **Dr. Satyanarayana K**, Professor in Mathematics delivered a guest lecture on ”**Conjectures**”, at St. Francis College for Women, Begumpet, Hyderabad, on 18 December, 2017.

## EXAM TOPPERS

### Results of B.Tech III Year I Sem (15 Batch) Main Exams held in November, 2017 Academic Year 2017 – 2018

#### BRANCH ECE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A04H6	VELGA SHRUTHI	1	10.00
2	15B81A0408	AISHWARYA	2	10.00
3	15B81A0444	CHAKKA HEMA SREE	3	10.00

#### BRANCH EEE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A02A3	PASUPULETI SRI RAM	1	10.00
2	15B81A0235	GOGU HARSHITHA MEGHANA REDDY	2	9.71
3	15B81A02C0	THOTA YASHWANTH VENKAT SAI	2	9.75
4	15B81A0297	POTLAPALLY SHIVA KUMAR REDDY	3	9.71



### BRANCH EIE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A1019	DEVULAPALLY MOURYA	1	9.83
2	15B81A1042	PARSA SAI PRASAD	2	9.83
3	15B81A1049	MANDE SOUJANYA SREE	3	9.75

### BRANCH CSE

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A05J8	KONAM SAI SUMANA	1	9.83
2	15B81A05S2	TEJASRI DONTAM	1	9.83
3	15B81A05T4	K VASANTHI AMOOLYA	2	9.67
4	15B81A05D3	GANOJI PRASHANTH	3	9.67

### BRANCH IT

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A1222	SINGAM BHAVANI	1	9.88
2	15B81A12B2	MUNUKUTLA V S S V PRAZNA	2	10.00
3	15B81A1288	KONDA SHASHANKA	3	9.88

### BRANCH MECHANICAL

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A03B3	YALAMATI PRASHANTH	1	10.00
2	15B81A0331	MUDIREDDY AVINASH REDDY	2	9.71
3	15B81A0329	PEDDI ASHISH	3	9.83
4	15B81A03G8	L SANGEETHA	3	9.71

### BRANCH CIVIL

S. No	Hallticket No	Name of the Candidate	RANK	SGPA
1	15B81A0112	ASHISH KUMAR TIWARI	1	9.88
2	15B81A0152	MUPPAVARAM PAVAN KUMAR	2	10.00
3	15B81A0149	KUCHANPALLY NOUMIKA	3	9.75

## EXAM TOPPERS

Results of B. Tech IV Year I Sem (14 Batch) Main Exams held in November, 2017

Academic Year 2017-2018

### BRANCH ECE

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A04L9	GURAJALA TEJASHWINI	723	90.38
2	14B81A0475	NIPPULETI LAKSHMI ANUHA	709	88.63
3	14B81A0479	MADINENI LIKHITHA	708	88.50
4	14B81A04B3	GOLLAGARI PRANITHA	708	88.50

### BRANCH EEE

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A0242	GATTU PRANATHI	695	89.68
2	14B81A0209	GOPISETTI ANUSHA	694	89.55
3	14B81A0212	NENNURU GOPALA KRISHNA REDDY	688	88.77

### BRANCH EIE

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A1014	BOJANAPALLY HEMA SREE	721	90.13
2	14B81A1037	MOVVA SHEETHAL CHOWDARY	717	89.63
3	14B81A1048	SUMEET BIDADA	698	87.25

### BRANCH CSE

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A0510	PALPANUR AISHWARYA	703	87.88
2	14B81A05N7	VEERAMREDDY SHIRISHA	703	87.88
3	14B81A05R5	STEFFY MATHEW	675	84.38
4	14B81A05N8	G SHIVA KRISHNA	671	83.88

## EXAM TOPPERS

Results of B. Tech IV Year I Sem (14 Batch) Main Exams held in November, 2017

Academic Year 2017-2018

### BRANCH IT

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A1236	B K MANASA	686	85.75
2	14B81A1216	G BINDHU	683	85.38
3	14B81A12A3	KATAKAM SRI MAHIJA	677	84.63

### BRANCH MECHANICAL

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A03L3	SUJEETH KINI S	740	92.50
2	14B81A03B9	GANGULA PRATHYUSHA	719	89.88
3	14B81A0391	ENUGURTHI MANASA	715	89.38

### BRANCH CIVIL

Sl. No.	Hallticket No	Name of the Candidate	TOTAL	AVG
			800	100
1	14B81A0195	CHINTHAPOOLA SRAVANTHI	749	93.63
2	14B81A0192	PALLA SOWMYA	728	91.00
3	14B81A0189	VAMJA SHREYA	727	90.88