CHINTHANA MANTHANA

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Think Beyond Imagination...

AUG 2017 | VOL 7

Our Vision

"To strive continuously to impart quality technical education with ethical values, employable skills and research to achieve excellence"

Our Mission

➡ To attract and retain highly qualified, experienced and committed faculty.
➡ To create relevant infrastructure.
➡ Network with industry and premier institutions to encourage emergence of new ideas by providing R & D facilities to achieve excellence.
➡ To inculcate professional and ethical values among students with employable skills and knowledge acquired in transforming society.

Editorial Team

Chief Editor: Mr. Umashankar M (ME)

Faculty Co-ordinators: Mr. Naresha K (ME), Ms. Priyanga P (CSE), Ms. Renukadevi S (CSE), Ms. Anuradha M V (BS & H), Ms. Lakshmi H R (ECE), Ms. Sahana Salagare (ECE), Ms. Rekha N (TCE)

Dr. T V Govindaraju
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Sri. Y Ramachandra Naidu
President

Sri. K Venkatesh Naidu
Secretary

Sri. D Rukmangada
Treasurer

Dear Staff and Students

While writing the principals message for our college newsletter CHINTANA MANTHANA I requested a very small space to give my message because actions speak louder than voice. The remaining space can be utilized to showcase the activities in the college. It is so gratifying to work in an environment in which all the stakeholders value and respect their teachers. The ways we teach and the ways our students learn are unique and creative. Our college has substantially contributed in the progress of the society by producing quantity education and also encourages them to participate in extra circular and co-circular activities. The newsletter is a medium to highlight all the activities in the college and the achievements of the students. I congratulate the newsletter team for successfully bringing out the 9th edition of CHINTANA MANTHANA.

It gives us immense satisfaction that the next issue of the college newsletter CHINTANA MANTHANA is ready for the readers. A college newsletter mirrors the success story of an institution in all fields and also acts as a great median to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, staff and students for taking the institution ahead.

Keeping in mind the academic excellence in the college, we have constituted and advisory board consisting of members who are great achievers in academics and experts. We take this opportunity to thank the advisory board for extending their expertise for the benefit of the students.

Newsletter brings out the achievements of the students and faculty alike we congratulate the editorial team for their efforts in bringing out this edition of newsletter.

MANAGEMENT COMMITTEE

SITTING LEFT TO RIGHT : SRI R. LEELA SHANKAR RAO, SRI K. VENKATESH NAIDU, SRI K. SHIVA RAO, SRI Y. RAMACHANDRA NAIDU, SRI T. RAMACHANDRA NAIDU, SRI B. LOKANADHA NAIDU, SRI D. RUKMANGADA, SRI L. KRISHNAMURTHY

STANDING LEFT TO RIGHT : SRI T. NEERAJAKSHULU NAIDU, SRI M. YOGAMURTHY, SRI M.C. VARADHARAJULU, SRI D. JAGADISH KUMAR, SRI N. KRISHNAMA NAIDU, SRI M.N. PADMANABHA, SRI N.M. KRISHNAMURTHY, SRI T. KUMAR, SRI P.B. PRAKASH KUMAR SRI A.V.NAGARAJ, SRI M. SUDHAKAR

Department of Mechanical Engineering

⇒ **LATEST TECHNOLOGY**

BIKE GADGET REPRESENTS A SHIFT IN SHIFTING

The Twin Shift mounts on the end of a flat handlebar, and automatically moves both derailleurs with a single twist (Credit: Twin Shift)

It can be a tricky business, selecting the proper gear combinations on a dual-derailleur bike. You always want to avoid "cross-chaining," a situation in which the chain is stressed by being placed at too much of a lateral angle (such as if it were running from the outermost chain ring to the innermost sprocket, or vice versa). French inventor Rolland Norbert is attempting to address the situation, with his Twin Shift.

The grip-style shifter mounts on the end of a flat handlebar. With a series of single click-twists, users can move up and down through the gears, as the Twin Shift automatically moves both the front and rear derailleurs accordingly. It does so entirely by mechanical means – no batteries are required.

Not only does it keep riders from cross-chaining, but it also means that they only have to shift once for each gear-change, as opposed to having to shift both the front and rear derailleurs separately. Plans call for the system to be made in versions suited to 3x6, 3x7 and 3x8 drive trains.

It is claimed to be compatible with most existing frames and components.

3D-PRINTED ARTIFICIAL HEART BEATS JUST LIKE THE REAL THING

Scientists at ETH Zurich to create an artificial heart out of silicone that is designed to mimic the natural heart as closely as possible. It is around the same size as a human heart, weighs 390 g (0.85 lb) and was created using 3D printing and a lost-wax casting technique.

Just like the real thing, it has a right and left ventricle, which is separated by a chamber that serves as the organ's muscle. As the chamber is inflated and deflated by pressurized air, it pumps the fluid from the chambers.

In testing the device, the researchers used a fluid with similar viscosity to human blood and found that fundamentally, it functioned in a similar way to a human heart. There is one pretty serious limitation, however, in that the material can only withstand around 3,000 beats which equates to around 30 to 45 minutes of usage. With that said, the team says this proof of concept shows a possible path forward when it comes to artificial hearts.

⇒ **EVENTS CONDUCTED**

♦ **"NSS CLUB Inauguration"**

On 6th February 2017 NSS- National Service Scheme was inaugurated by **Mr. Nagaraj**. The club aims at service to the nation in the time of natural calamities. It is an initiative from the college under VTU-Belagavi.

"Live as if you were to die tomorrow. Learn as if you were to live forever." - Mahatma Gandhi

♦ "Workshop on Computational Fluid Dynamics"

From 8th – 10th February 2017, 3 days workshop was conducted on "Computational Fluid Dynamics" by **Dr. K. Ramanarasimha and Dr. Sridhara**. The students of UG, PG of different institutes participated in this workshop. This workshop made students to acquire the information about different computational techniques involved, basics of computational fluid dynamics and application of computational fluid dynamics. On the last day of workshop there was a practical solving session which enhanced the gained knowledge.

♦ "Workshop on Automobile Design"

From 2nd – 3rd April 2017, 2 days workshop was conducted on automobile design by Robotech in association with IIT Guwahati. The workshop aimed at providing knowledge about automobile sub-systems and design of roll cage using CATIA and drafting using AUTOCAD.

⇒ ACHIEVEMENTS - FACULTY

♦ **Dr. K. Rama Narasimha** was nominated by **VTU** as **Board of Examination** member in Mechanical Engineering during the year 2016 - 2017.

♦ **Mr. Murulidhar .K .S** was felicitated with **Best Faculty Award** from TESFA-2017 by Pondicherry CM Mr. Tiruvinarayanaswamy on 26th March-2017.

♦ **Mr. Murulidhar .K .S** was felicitated with **Shiksha Bharati National Award** by Indian Achiever Forum, New Delhi in April-2017.

♦ **Mr. Murulidhar .K .S** was felicitated with I2OR Award as **Outstanding Educator** by International Institute of Organised Research in May-2017.

⇒ ACHIEVEMENTS - STUDENTS

♦ **Anirudh .V** and **Kushaal Pishey** of 8th semester got the **Best Paper Award** for their paper, **"Investigation of Tesla Turbine"** in the event **MOTORIG** which was held at Alva's Institute of Engineering and Technology on 21st May 2017.

⇒ PUBLICATIONS

♦ **Dr. K.Rama Narasimha** published a paper on **"Effect of Rayleigh**

number with rotation on Natural Convection in differentially heated enclosure"** in the Journal of Applied Fluid Mechanics. Volume 10, No 4, Page 1125-1138, ISSN- 1735-3572 on March 15th 2017.

♦ **Mr. Murulidhar .K .S** presented a paper on **"Design and fabrication of Biogas digester for anaerobic dry fermentation under thermophilic condition"** in ICAMS-2017 (International Conference) in March 2017.

♦ **Mr. Murulidhar .K .S** presented a paper on **"Energy Audit and Analysis of Biogas produced from the co-digestion of kitchen waste and chicken litter"** in RETFOAC-2017 (National Conference) in March 2017

⇒ CLUB UPDATES

♦ REDLINE RACING

BAJA SAEINDIA team under the guidance of **Mr. K. Nagaprasad**, Assoc. Prof, and **Mr. Anil Kumar .A**, Asst. Prof, had secured **34th** position in All India ranking and **2nd** place for Karnataka state in the static and dynamic round held at NATRIP, Indore. Presently they have successfully cleared the virtual round for BAJA SAEINDIA-2018 and working on fabrication of new buggy with advanced sub-system.

♦ GARUTMAAN

MANOVEGAM SAEBS team under the guidance of **Mr. K. Nagaprasad**, Assoc. Prof, had participated in MANOVEGAM-2017 which is a AERO championship and has secured **5th** place in technical presentation and overall **10th** place in India.

♦ PRODIGY RACERS

Under the guidance of **Mr. Balaji .B**, Assoc. Prof, has taken up hybrid car championship which is a pan India event. The team is presently gearing up for the virtual round to be held at Guntur, Andhra Pradesh.

⇒ FINAL YEAR PROJECTS

♦ **"Parametric Studies of Pulsating Heat Pipes"** got 1st prize in final year project guided by **Dr. K. Ramanarasimha**, Prof and HOD, by Nikhil N, Nagaraj S Vaidya, Rajath Nag and Ranjith R Kulkarni.

♦ **"Statistical and Computational Approach for understanding Yoga Technique (Veerabhadrasana-3)"** got 2nd prize in final year project guided by **Mr. Balaji .B**, Assoc Prof, by Aniruddha M, Bharatish S, Manohar Kashyap G, Koushik K.

♦ **"Air Jacket"** got 3rd prize in final year project guided by **Mr. Harish U**, Asst Prof, by Dinakar .D .P, Kushal .M. Kothar, Kaushal .V. Patil, Akarsh .N.

♦ **"Optimization of Tesla Turbine"** guided by **Mr. M. Umashankar**, Assoc Prof, by Abhijith Magal, Anirudh .V, Hazaifuddin, Kushaal P.

♦ **"Vibration Analysis of Shell Structures"** guided by **Mr. Anil Kumar .A**, Asst Prof, by Adithya .L. Kulkarni, Akash .A .C, Amith .H .R, Anurag .K .A.

♦ **"Root cause Analysis on chip wearing during flight"** was done in **HAL** guided by **Mr. M. M. M. Patnaik**, Assoc Prof, by Shashikumar .B .P, Supragna .K, Varun .A. Shelvankar, Vishal .V.

⇒ 100% RESULT

Mr. M.M.M. Patnaik	Experimental Stress Analysis
Mr. K.V. Manjunath	Non Traditional Machining
Mr. Murulidhar .K.	Energy Engineering
Mr. Manjunath .B.R	Manufacturing Process-II
Mr. Mallikarjun .M.R	Tribology
Mr. Anil Kumar.A	Theory of Elasticity
Mr. Anil Kumar.A	Tribology
Mr. Anil Kumar.A	Theory of Plasticity
Mr. Harish .U	Machine Tools & Operations
Mr. Parushuram .A .K	Automotive Engineering
Mr. Parushuram .A .K	Energy Engineering

⇒ MAGAZINES

♦ **Power Transmission Engineering**:

It is a magazine written for design engineers and maintenance professionals involved in the specification, purchase and use of mechanical power transmission components. Their technical articles and features cover gears, bearings, motors, couplings, gear drives, linear motion, fluid power clutches, brakes, sensors, controls and related equipment. If you design rotating mechanical equipment then, PTE is for you

EMANATION

MECHENAS - launched its 6th Volume of newsletter with the theme **Advancement in Aerospace Industry** under the assistance of **Dr. K Ramanarasimha**, Prof and HOD, **Mr. Balaji .B**, Assoc. Prof, **Mr. M. Umashankar**, Assoc. Prof and **Mr. Anil Kumar .A**, Asst. Prof and support of student co-ordinators on 26th May 2017.

ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering offers B. E and M. Tech in CSE. The department has well qualified, capable, knowledgeable and dedicated faculty to provide qualitative, Industry tuned education to students with Unreserved support from the Principal and HOD. The Department Infrastructure accomplishes and ropes learning skills on the latest technology in the industry. The students are shaped with multi-dimensional skills covering all the required graduate qualities. Our mission is to inculcate strong theoretical and practical knowledge for continuous learning, prepare students to find Computer Solutions for the society through research and entrepreneurship with Professional ethics, encourage team work in inter-disciplines and evolve as leaders with social concerns. Department staff and students are members of Professional bodies like ISTE, IEI and CSI where students learn to do project, present technical papers and work together which imbibes teamwork and leadership qualities. Department has Firefox club and GLUG to encourage student's talent in programming, debugging. Every year department releases its newsletter Highlighting academic, Co-curricular activities of staff and students. Various workshops on programming skills, carrier guidance, cloud, Big Data Analytics, Artificial Intelligence, IoT and Networks remain active throughout the year to enhance the skills of staff and students. Our department has several MOU with industries, R&D and training centers to give guidance, assistance and internships facilities for UG and PG students as well as collaborative research for PhD students.   **- Dr. Rekha .B. Venkatapur**

⇒ **LATEST TECHNOLOGY**

REGULATION OF A.I

Elon Musk says artificial intelligence poses more of a "risk" than a potential nuclear conflict between the US and North Korea. The CEO of Tesla issued the warning after an AI built by OpenAI, a company founded by Mr Musk, defeated the world's best Dota 2 players after just two weeks of training. "If you're not concerned about AI safety, you should be. Vastly more risk than North Korea," he tweeted shortly after the bot's victory, along with a picture of a poster bearing the slogan: "In the end, the machines will win". "Nobody likes being regulated, but everything (cars, planes, food, drugs, etc) that's a danger to the public is regulated. AI should be too," he added later. "Biggest impediment to recognizing AI danger are those so convinced of their own intelligence they can't imagine anyone doing what they can't." A recent University of Oxford study concluded that AI will be better than humans at all tasks within 45 years, and many people, including Stephen Hawking, believe humans will be in trouble in the future if our goals don't align with those of machines. However, following the exchange of increasingly heated words between Donald Trump and Kim Jong-un, some Twitter users pointed out that nuclear war might wipe humans out before AI even gets the chance to. Mr Musk has spoken out about the potential dangers of AI on numerous occasions, and recently engaged in a war of words with Mark Zuckerberg, who has a very different outlook to him.

After Mr Musk called AI "a fundamental existential risk for human civilisation", the Facebook founder branded his views as "negative" and "pretty irresponsible". Mr Musk hit back by saying Mr. Zuckerberg's understanding of the subject was "limited". He wants the companies working on AI to slow down to ensure they don't unintentionally build something unsafe, and says it needs to be regulated. "I think we should be really concerned about AI and I think we should. AI's a rare case where I think we need to be proactive in regulation instead of reactive," he said last month. "Because I think by the time we are reactive in AI regulation, it's too late."

⇒ **EVENTS CONDUCTED**

◆**"RaspBerry pi and its applications in IOT"**
From 18th to 22nd January 2017, FDP program conducted by the resource person **Mr. Ganeshan**, CEO, Vishwajyothi technologies, he took hands-on sessions and association with ISTE and CSI-India.

◆**"Big data Analytics and cloud computing"**
On 17th Feb 2017, a Guest Lecture was given by **Mr. Robin Mazumbar**, Product Manager, Manipal Prolearn, Bangalore. He addressed the students under ISTE student chapter.

"The mind is not a vessel to be filled, but a fire to be kindled." - Plutarch

◆**"Job opportunities for Engineering Graduates and skill development."**
On 22nd March 2017, a Guest Lecture was conducted by **Mrs. Roopa** from IIHT she addressed 7th Sem 'A' & 'B' sections students regarding the job opportunities and how to improve themselves.

◆**"How Journalism is an option after Engineering**?"
On 21st April 2017 in association with KSIT ALUMNI ASSOC.IATION 'CHIRANTHANA' in Department of CSE. Talk on 'How Journalism is an Option after Engineering?' given by Alumni **Ms. Swetha .R**, Studied Broadcast Journalism, Indian Institute of Journalism and New Midea, Bangalore. She was graduated in the year 2015 from Department of CSE.

◆**"Connecting Talents to Opportunities"**
On 25th April 2017, a Guest Lecture was conducted by **Mrs. Roopa** on connecting Talents to opportunities where students got to learn about the new trends in the market and what they need to improve in their skillset.

⇒ EVENTS ATTENDED

◆**Mr. K. Venkata Rao**, Assoc. Prof, **Mr. Harshavardhan .J .R**, Assoc. Prof, **Ms. Vijayalaxmi .M**, Asst. Prof, **Mr. Raghavendrachar .S**, Asst. Prof, **Mr. Aditya Pai .H**, Asst. Prof attended a FDP on **"OOP with JAVA for DAA Lab and ARM Microcontroller Programming"**, at JIT, Bengaluru from 16th to 21st January 2017 also FDP on **"OOP with JAVA"** RNSIT, Bengaluru on 31st January 2017.

◆**Ms. Deepa .S .R**, Assoc. Prof, attended a FDP on FDP on **"ARM Processors and Programming"** at RNSIT, Bengaluru on 30th January 2017.

◆**Ms. Sangeeta .V**, Assoc. Prof and **Ms. Vaneeta .M**, Assoc. Prof, attended FDP on **"Recent Trends in WSN with Hands on Session on NS2"** at SVIT, Bengaluru from 1st to 3rd February 2017.

◆**Ms. Priyanga .P**, Asst. Prof attended FDP on **"OOP with JAVA for DAA Lab and ARM Microcontroller Programming"** at JIT, Bengaluru from 16th to 21st January 2017 and another FDP on **"ARM Processors and Programming"** at RNSIT, Bengaluru on 30th January 2017.

◆**Dr. Rekha .B. Venkatapur**, Prof & HOD, **Mr. Sanjoy Das**, Asst. Prof, **Mr. Roopesh Kumar .B .N**, Asst. Prof, **Mr. Kumar .K**, Asst. Prof, **Mr. Raghavendrachar .S**, Asst. Prof, **Ms. Renukadevi .S**, Asst. Prof, **Mr. K. Venkat Rao**, Assoc. Prof, **Ms. S. Kokila**, Asst. Prof, **Ms. Sangeeta .V**, Assoc. Prof, **Ms. Siddu Tushara .M .S**, Asst. Prof, **Mr. Pradeep Kumar .G .H**, Asst. Prof, **Mr. Kushal Kumar .B .N**, Asst. Prof, **Mr. Pradeep .K .R**, Asst. Prof and **Ms. Vaneeta .M**, Assoc. Prof attended a FDP on **"RaspBerry pi and its Applications in IOT"** KSIT, Bengaluru from 18th to 21st January 2017.

⇒ ACHIEVEMENTS - FACULTY
◆Paper published for International Journal of Computer Trends and Technology(IJCTT) titled **"A collective study of machine learning(ML) Algorithms with Big data analytics (BDA) for Healthcare Analytics(HCA)"** in Vol. 47, No. 3, May 2017 by **Mr. Pradeep .K .R**, Asst. Prof.

◆Paper published for Journal of Theoretical and Applied Information Technology titled **"Spectral cluster based temporal feature extraction and B-tree indexing for video retrieval"** in Volume, 95, No.7, ISSN:1992-8645, E-ISSN:1817-3195, 15th April 2017 by **Ms. Renukadevi**, Asst. Prof.

◆**Ms. P. Priyanga**, Asst. Prof and **Mr. Pradeep .K .R**, Asst. Prof were awarded I2OR-Promising Researcher Award 2017 for outstanding contribution in the field of **"Web mining, machine learning & data mining"** from the International Institute of Organized Research(IIOR).

⇒ ACHIEVEMENTS - STUDENTS

◆**Shri Raksha .N** was awarded the **Best Outgoing** student of the batch 2013 - 2017.

◆Vivek .B, Kushal .S .T, Apoorva .V, Manjunatha Reddy, Himanshu Prasad, Anushree .N presented title of project **"OMR Evaluator"** submitting an Idea for **"Smart India Hackathon 2017"** on world's biggest digital movement.

◆Pooja Sreedhara Murthy, Prabhu .S, Abhishek .M, Narasimha Prasanna .H .N, Vidya .G, Amulya .K presented tile of **"IMPLIMENTING HOME SECURITY FOR VISUALLY IMPAIRED"** for submitting an Idea for **"Smart India Hackathon 2017"** on world's biggest digital movement.

◆Poojitha .K .M had participated in a 6-days workshop on c programming from 1st to 6th June 2017 and, she participated in JIT Graphics day 2017 an inter collegiate mini project exhibition on computer graphics on 12th May 2017.

◆Parth Purrohit secured 1st place in CG&V mini project exhibition for the project titled **"Bus Stop"** on 12th May 2017.

◆Prabhu .B, Sravani participated and secured 2nd prize in JIT Graphics Day 2017 An Intercollegiate mini project exhibition on **"Computer Graphics"** on 12th May 2017.

◆Kalpana .G .N has secured second place in the project exhibition held on 12th May 2017 at KSIT.

◆Vivek .B has secured third place in the project exhibition held on 12th May 2017 at KSIT.

◆Kalpana .G .N, Chandana .V, Diksha, Mehtaz .N. Sidnale has participated & exhibited the project titled **"AGBIBOT"** has been awarded 1st place in **"Tech Mania 17"** on 24th May 2017.

◆Manasa, Mamatha .P .N has secured consolation prize CG&V project exhibition for project titled **"Scuba diving"** on 12th May 2017.

◆Kavya .D, R. Namratha, has been awarded 1st place in the "STREET PLAY" competition "Farore 17" on 31st March 2017.

◆Nikil .M, Prerana .R, Yashaswini .M has won 2nd place in bot race organized by IEIE student branch "INVERSA TECHNOSOFT PVT. LTD." on 3rd and 4th March 2017.

◆S. N. Shreyas, Prajwal .J, A. R. Phaneendra, Priyanka .S, Sushma .N, Ramya .R. Pai, Sirina .V .A .P has participated in workshop "Introarduino" IETE students branch "Inversa Technisoft pvt. ltd" on 3rd & 4th March 2017.

◆Ranjan .B, Aditya Kumar .N .S, Shravan Bhat, Srisha Mahuli, Shri Raksha .N, Siddhanth .M, Abhigna .A, Darshan .S .K has won 1st prize of 1 lakh in 36 hours National level nonstop coding competition in "Smart India Hackathon 2017" on 1st & 2nd April 2017.

◆Kushal .S .T, Abhishek .M, Narasimha Prasanna .H .N and Prabhu .B has won 1st place in 24hrs nonstop coding competition SLAC-2017 "STAY LATE AND CODE" on 14th - 15th April 2017.

◆Madhuranath has completed her internship training in "Volvo group truck operation" from 8th to 25th January 2017.

◆Mamatha .P .N and Chaitra .R has participated the internship program "3D printer and its Advancement" on 11th & 12th February 2017.

◆Sai Shashikaa, Keerthi .G. Naidu participated in poster presentation on the "Youth For Society" on 28th March 2017.

⇒ PUBLICATIONS - STUDENTS

◆"AUTOMATED SECURITY SYSTEM FOR GIRLS SAFETY USING ARMT" published a paper in journal IJIRCCE V21-5, ISSUES-5, May 2017 ISSN 23209798, guided by **Ms. Sangeetha .V**, Assoc. Prof. by Reetu ,T, Shashwathi .N. Bhat, Nuzhath Zaiba.

◆"USER TASK AUTOMATOR" published a paper in journal AJEAT, Volume-6, No.2, July 2017, guided by **Dr. Rekha .B. Venkatapur**, Prof & HOD, by Himanshu .R. Prasad, Manjunatha .S, Geetha Priya .A, Namratha .B .H.

◆"SCHOOL BUS MONITORING SYSTEM USING RASPBERRY PI" published a paper in journal Ajcst, Volume-6, No.2, July-17 guided by **Ms. Deepa .S .R**, Assoc. Prof, by Goutami .K, Gurudath .K .R, Nesar .M, Abhishek .R.

◆"NEAR FIELD COMMUNICATION FOOD ORDERING SYATEM" published a paper in journal IJIRCCE, Volume-5, ISSUE-5 May 2017 guided by **Ms. Deepa .S .R**, Assoc. Prof by Anirudh .K .R, Adithya .R, Mahinder .P, Karthik .K .S.

◆"AUTOMATIC FEATURE EXTRACTION FROM OPTICAL SATELITE IMAGERY" published a paper in journal IJARCCE, May 2017 guided by **Ms. Sangeetha .V**, Assoc. Prof. by Aishwarya .C .G, Apoorva .T .M, Shresta .R. Shetty, Vandana .B .R.

◆"IDENTIFICATION OF UNIQUE USERS ACROSS DIFFERENT SOCIAL MULTIMEDIA PLATFORM" published a paper in journal IJARCCE, Volume-6, issue5, May 2017 guided by **Ms. Renukadevi**, Asst. Prof. Shivani .C .N, Sameeksha, Ranjitha, Shreeja .M.

◆"A SURVERY ON PREDICTIVE ANALYSIS OF CANCER SURVIVABILITY RATE USING MACHINE LEARNING ALGORITHAM" published a paper in journal IJARSE Volume-06, April 2017 guided by **Mr. Pradeep. K. R**, Asst. Prof, by Sindhu .V .Z, Arjun Sharma, Karthik .G .S, Nidhi Mital.

◆"A LITERATURE SURVEY ON MINING HEALTH DATA TO PREDICT HEART DISEASE" published a paper in IJIRCCE volume-5, issue 5, ISSN-2320-9798 guided by **Ms. Priyanga .P**, Asst. Prof, by Aparna .N. Venu, Lata Eshappa, M. Archana, Navyashree .D .P.

◆"MINIMIZATION OF NETWORK TRAFFIC USING PARTITION AND AGGREGATION FOR DATA STORED IN CLOUD" published a paper in IJIRCCE, Vol-5, Issue 5, ISSN-2320-9798 guided by **Ms.Priyanga.P**, Asst.Prof, by Tushar .R. Shetty, Utsav .K .P, V. Rahul, Darshan .C.

⇒100% RESULTS

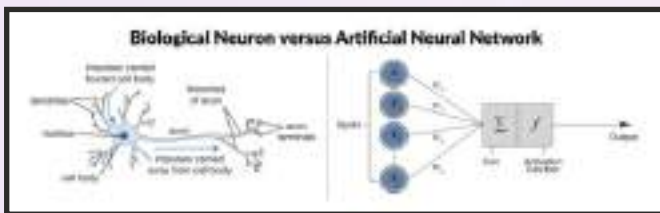| Ms. Impana. K. P | Systems Software |
| Ms. Sangeetha | Embedded Computing Systems |

ABOUT THE DEPARTMENT

I am very happy to pen down details about the events & activities that were organised in ECE department for the academic year 2016-17. The past year was full of various activities by the students and faculty in academic, co curricular, extra-curricular as well as in research & development. The department has rich curriculum and allied activities to provide a comprehensive education for our students. With the support of most learned and enthusiastic staff we were able to organise many events like Workshops, Guest lectures, Technical talks and Industrial visits for our students to make them to be technically well-off, to be critical thinkers, productive citizens, and leaders in a wide range of careers. The mission of our Department is to produce Engineers with self-discipline, high integrity and good personality by providing excellent training. Department has maintained quality placement record till date and we are proud of the long and sustained placement records of our students in different multinational industries and higher education at different top-class universities after qualifying GRE/TOEFL.

Dr. P.N. Sudha

⇒ **LATEST TECHNOLOGY**

An artificial neuron network (ANN) is a computational model based on the structure and functions of biological neural networks. It is an interconnected group of nodes, akin to the vast network of neurons in a brain. Such systems learn (progressively improve performance) to do tasks by considering examples, generally without task-specific programming. For example, in image recognition, they might learn to identify images that contain cats by analyzing example images that have been manually labelled as "cat" or "no cat" and using the analytic results to identify cats in other images. They have found most use in applications difficult to express in a traditional computer algorithm using rule based programming. An ANN is based on a collection of connected units called artificial neurons, (analogous to axons in a biological brain). Each connection (synapse) between neurons can transmit a signal to another neuron. The receiving (postsynaptic) neuron can process the signal(s) and then signal downstream neurons connected to it. Neurons may have state, generally represented by real numbers typically between 0 and 1. Neurons and synapses may also have a weight that varies as learning proceeds, which can increase or decrease the strength of the signal that it sends downstream. Further, they may have a threshold such that only if the aggregate signal is below (or above) that level is the downstream signal sent. Because of their ability to reproduce and model nonlinear processes, ANNs have found uncountable applications to a wide range of disciplines.

⇒ **EVENTS CONDUCTED**

◆ **Four days FDP on Raspberry Pi and Its applications in IOT"** was conducted from **18th to 21st Jan 2017** in association with **IETE and Vishwajyothi technologies**, Bengaluru.

◆A visit to **BIEC Exhibition Center (IMTEX)**, Bangalore, was organised for all faculties of KSIT on **27th January 2017** in association with IETE.

◆ Technical Talk on "**Latest Trends in Wireless Communications**" was organized on **13th February 2017** for IEEE Students of 6th semester in association with IEEE Bangalore section. **Mr Devadas Pai** , CEO & Founder **Nano Cell   Technologies** Bangalore, India was the Resource Person.

◆ A two day workshop on **Arduino** was conducted by the KSIT IEEE Student Branch in association with **IEEE Bangalore Section** and in collaboration with **ROBO MINIONS** on **19th and 20th February 2017**.The resource person **was Mr. Dhananjai Sharma** & team.

◆Guest lecture on **"Field Theory and its applications"** was organised on **20th February 2017** and the resource person was**Dr. Chaithanya Kumar M.V**, Principal HKBK College of Engineering, Bangalore.

◆ **Semi technical event on InnovacEEEa 2k17** was conducted on **11th and 12th March 2017** by **KSIT IEEE STB**.

◆**IEEE WIE KSIT** celebrated women's day on **8th March 2017**. The 2017 campaign theme is **"Be Bold for Change."** The chief guest for the women's day celebrations was **Ms. Soumya Bhat**, Gender activist,Bangalore.

◆ Guest lecture on **"Career Opportunities"** was conducted for IV Sem students on **26**th **March 2017** in association with **IEEE KSIT STB**. **Mr. AkhiL M** & **Mr**. **Sameer Kashyap** from **Akmai technologies** were the speakers.

◆ **Annual IEEE Valedictory Function** was celebrated on **23**rd **May 2017** in association with **IEEE KSIT Student Branch & WIE Affinity Group**. Dr. Sujatha WIE Chair IEEE Bangalore Section, Prof & HOD , MCA Dept,BMSCE, Bangalore was the Chief guest for the function.

◆ The **Project Exhibition** was conducted on 12th May 2017. **Dr. Gopal Sharama Joshi** , Principal Architect, Honeywell Technology solutions Pvt.Ltd, Bangalore, **Dr. Shoba. B. N,** Prof. & Head of ECE, SJCIT, Chickaballapur and **Dr. Karthik**, Professor ECE dept., KSSEM, Bangalore were invited to Judge the event. All 8th Semester students participated in the event.

⇒ **FACULTIES REGISTERED FOR Ph.D**

◆ Mr. Santoshkumar .B .R
◆ Ms. Sahana Salgare
◆ Mr. S. Christo Jain
◆ Ms. Jayasudha .B .S .K
◆ Mr. Saleem .S. Tevarmani
◆ Ms. Pragathi. P

⇒ **EVENTS ATTENDED**

◆**Mr. Saleem. S. Tevaramani** and **Ms. Pragathi. P** Assistant Professor, ECE dept have attended 6 days FDP on "**Machine learning Algortihm Apllications**" held during **23**rd **to 28**th **January 2017** at Global Academy of Technology, Bangalore.

◆All faculties attended 4 days FDP on **"Raspberry Pi & its Applications in IoT"** held during **18**th **to 21**st **January 2017** at KSIT, Bangalore.

◆Ms. Jayasudha BSK attended 2 Weeks FDP on **"Entrepreneurs -hip Development"** held during **16**th to **30**th **January 2017** at ACS College of Engineering, Bangalore.

◆Ms. Anitha S.K. & Ms. Lakshmi H R attended 6 days FDP on **"Physical Design Challenges in DSM Mode Systems"** held during 16th to 21st **January 2017** at BNMIT, Bangalore.

⇒ **ACHIEVEMENTS - FACULTY**

Dr. Sudharshan B has completed Ph.D in "**Analysis of content organization and retrieval in graded memory**" from Jain University.

◆**Dr. P. N. Sudha,** Prof & HOD, was awarded as **"Young Outstanding Women in Engineering"** by Venus International Woman Award 2017 on **4**th **March 2017** at Radha Regent, Chennai India and received   **"Senior Woman Educator and Scholar Award"** by National foundation for Entrepreneurship Development 2017 on **8**th **March 2017.**

◆**Dr. P. N. Sudha,** Prof. & Head ECE dept. has been **Reviewer** for the **International conference on Signal Processing, Image Processing, Communication & Automation organised** by JSS ACADEMY OF TECHNICAL EDUCATION, Bengaluru

◆**Dr. B. Surekha,** Prof, received **"Woman Achiever's Award"** and **Felicitation** from **IE (I),** Karnataka State Centre **on 8**th **March 2017** and "**Senior Woman Educator & Scholar Award**" by National Foundation for Entrepreneurship Development (NFED) on **8**th **March 2017, Coimbatore, India**.

◆**Dr. B. Surekha,** Prof stood as one of the Topper in 4 weeks NPTEL MOOC on **"Introduction to remote sensing"** conducted by IIT Roorkee, India, **23**rd **April 2017.**

◆**Dr. B. Surekha,** Prof, has been a **Guest Editor** for a Special Issue on "**End-user Privacy, Security, and Copyright issues"** in Informatica: An International Journal of Computing and Informatics, Europe, Vol.41, Issue 1, 2017.

◆**Dr. B. Surekha,** Prof, has been a **Technical Program Committee Member and Reviewer** for **7th IEEE International Advance Computing Conference (IACC-2017),** VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Telangana, India, **5**th**-7**th **January 2017.**

◆**Mr. Vikram.R L,** Asst. Prof, exhibited the Text to Speech software called **AKSHARA DHWANI** along with the students **Priyadarshini. A. C, Pavan P Kuber, Meghana Manjunath** and **Akhil G S** at **Ravindra Kalakshetra** Bangalore for the **Kannada Technology Expo** held on **5**th **March 2017.**

◆**Dr. Sangappa S B,** Assoc. Prof, was invited as **Chief Guest** at Dayananda Sagar College of Engineering for the event **"ECO Innovation National level Student Symposium 2017 "**held on **7**th **April 2017**.

◆**Dr. Sangappa S B**, Assoc. Prof, worked as **" Advisory committee** member " for the 3rd National Conference on **Recent Trends In Electronics and Communication** organized by GAT Bangalore on 12th May 2017.

⇒ FUNDED PROJECTS

◆ **Dr.B.Surekha,** Prof, and her project students have received fund of amount **Rs 5,000/-** for the project entitled **"Design and Implement -ation of Highly Secure Medical Record Communication Algorith -ms for Telemedicine Applications"** by **Karnataka State Council for Science and Technology (KSCST)** under Students Project Proposals 40th Series.

⇒ PUBLICATIONS

BOOK CHAPTERS

◆ **Dr. Surekha B, Dr. Nilanjan Dey, Dr. Amira. S. Ashour,** on **"Video Text Extraction and Mining**", Mining Multimedia Documents, CRC Press, Taylor & Francis Group, Chapter 13, pp. 173 - 192, 2017, [ISBN 9781138031722]. [DOI: 10.1201/978131539974414].

◆ **Dr. Surekha B, Ms. Kanchan Nazare Jayant, Dr. Viswanadha Raju S Dr.Nilanjan Dey, "Attendance Recording System Using Partial Face Recognition Algorithm",** Intelligent techniques in signal processing for multimedia security, Springer SCI series, Vol. 660, Chapter13, pp 293-319, 2017, [ISBN: 978-3-319-44790-2], [DOI:10.1007/978 -3-319-44790-2_14] - Scopus Indexed.

◆ **Ms. Lakshmi H R, Dr.B Surekha, Dr. Viswanadha Raju S,"Real Time Implementation of Reversible Watermarking",** Intelligent techniq -ues in signal processing for multimedia security SCI Series: Vol. 660, 2016,Springer Studies in Computational Intelligence (SCI) series, Vol. 660, 2017, Chapter 5, pp.113-132. [ISBN: 978-3-319-44790-2] [DOI:10.1007/978-3-319-44790-2_6] -Scopus Indexed.

⇒ INTERNATIONAL JOURNAL PUBLICATIONS :

◆ **Dr P.N.Sudha, Ms. Navya.R, "An automatic Wireless Multimedia Communication System to Detect accident of Vehicle and Mobile Telemedicine System"** International Journal of Innovative Research in science Engineering & Technology [IJIRSET] Vol. 6 Issue 3 March 2017, pp.1111-1116. DOI:10.15680.

◆ **Dr. Surekha.B, Ms. Lakshmi.H .R, Dr. Nilanjan Dey , Dr. Amira.S .A,** and **Dr. Fuqian Shi** , **"Digital image water marking tools : State of the art",** Frontiers in artificial intelligence & applications, Vol.296 pp.450-4592017[ISSN:0922638] [Scopus Indexed].

⇒ INTERNATIONAL CONFERENCES

◆ **Dr. P. N. Sudha, Navya. R, "An automatic wireless Multimedia Co -mmunication System to Detect accident of Vehicle & mobile tele medicine System"**, International Conference on Computer Science Technology Allies in Research, City Engineering College, Bangalore, on **11**th**- 12**th **May 2017.**

◆ **Dr. Sangappa S B, Dr.Sanjeev Gupta, Dr. C.Keshavamurthy, "Cross Layer Architecture Based Mobile WSN Routing Protocol for Inter vehicular Communication",** 3rd IEEE International Conference on Computational Intelligence & Communication Technology (CICT- 17) ABES Engineering College , Ghaziabad on **9**th **-10**th **February 17.**

⇒ BEST PROJECT AWARD

◆ **Bharath.R, Dileep Kumar.N, Mohan Kumar.P, Nagarjun** received best project award for the project titled **"A Smart Robotic Vehicle to Survey the Ocean"** under the guidance of **Ms. Sahana Salagare** Asst Prof.

◆ **Sushmitha Prem, Anuradha. M, Sushmitha. N, Shwetha. R. S** received best project award for the project titled **"Smart healthca -re for pregnant women"** under the guidance of **Ms. Anitha Senthil Kumar,** Asst Prof.

⇒ ACHIEVEMENTS - STUDENTS

◆ **Soundarya .S.L , Varalakshmi.N, Nihanth.K, Varalakshmi.M & Pallavi** of 6th Sem attended an Industrial training internship at HAL, Bangalore from **10**th **to 24**th **January 2017**.

◆ **Yukesh. R** of 6th Sem attended a Campus Ambassador internship at Intern Theory in 2017.

◆ **Anirudh. H.S, Nitya. S, Sneha.P. K, Ritu.P, Rabichith, Tejas. D. S and Pavan. B.V,** of 6th Sem attended Programming & Logic Circuit internship at Bosch Ltd. from **16**th**January to 1**st **February 2017.**

◆ **Navitha.T, Sanjana.K. S, Anusha.R, Nandu**.**R and Nishchitha.N** of 6th Sem attended an Implant Training internship at ITI Limited from **16**th **to 30**th **of January 2017**.

◆ **B. Shruthi** of 6th Sem attended an internship at Centum Electro -nics Ltd, Bangalore from **16**th **to 21**st**January 2017**.

◆ **Jayashree Kavya** of 6th Sem attended an internship at Electronics Lab & Flight Test Center, HAL, Bangalore from **13**th **to 28**th **January 2017.**

◆ **Pragathi. R, Ullas. S & Prajna. S** of 6th Sem attended an Implant training internship in HAL, Bangalore from **10**th **to 24**th **January 17.**

◆ **Chetana.N.Gowda** and **Amburi Amarnath** of 6th Sem attended an internship for Multimedia Data for Mixed Network in The Oxford College of Engineering from **December -16 to March -17.**

◆ **Sunil Kumar. S. R** and **Vandanashree. S** of 8th Sem attended Industrial training internship in HAL from **9**th **to 19**th **January 2017**.

◆ **Akhil.D.R. , AAkash.P.S** and **Hrushikesh.J.R** of 6th sem attended internet of things internship in Findxpro from **23**rd **February to 27**th **March 2017**.

◆ **Aakash .P .S** of ECE department participated in **Akhila Karnataka Sports Karate Association of Karnataka 9**th **State level Karate championship** on **2**nd **April 2017** at the Jain University Bangalore and secured first place in under 21 Team Kata and third place in Kata category.

⇒ 100% RESULTS

Dr.P.N.Sudha	Information Theory & Coding
Dr. Surekha B	Analog Communication
Dr. Surekha B	Digital Image Processing
Mr. B. R. Santhosh Kumar	Embedded System Design
Ms. D. V. Rajeshwari	DSP and Architecture
Mr. Praveen A	Computer Communication Networks
Mr. S. Christo Jain	Power Electronics
Mr. Saleem S. Tevarmani	Digital Image Processing

ABOUT THE DEPARTMENT

Success does not live in results, but in efforts. Being the best is not so important, doing the best is all that matters, likewise our telecommunication department provides our ambitious engineers with deep conceptual understanding of the subjects by experienced and knowledgeable faculty members who are proficient at bringing out the best in students.

The department focuses on practical knowledge by providing well equipped laboratories. The department organises frequent industrial visits and technical talks from eminent resource persons. Students are motivated to participate in curricular, co-curricular, extra-curricular activities for their overall development, which resulted in securing 100% result in final year for the academic year 2017-18. This has been achieved for three consecutive years and most of the faculty members have achieved 100% results in their respective subjects. Department organises various workshops for the staff and students and also emboldens them to publish papers at various conference, journals and symposiums.I congratulate the entire team of TCE for the success.

- Ms. Chanda .V. Reddy

⇒ LATEST TECHNOLOGY

BLOCKCHAIN

A blockchain is a distributed database that is used to maintain a continuously growing list of records, called blocks. Each block contains a timestamp and a link to a previous block. A blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for validating new blocks. By design, blockchains are inherently resistant to modification of the data. Once recorded, the data in any given block cannot be altered retroactively without the alteration of all subsequent blocks and a collusion of the network majority. Functionally, a blockchain can serve as "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way. The ledger itself can also be programmed to trigger transactions automatically".

Decentralized consensus has therefore been achieved with a blockchain. This makes blockchains potentially suitable for the recording of events, medical records and other records management activities such as identity management, transaction processing and documenting provenance. A blockchain facilitates secure online transactions. A blockchain is a decentralized and distributed digital ledger that is used to record transactions across many computers so that the record cannot be altered retroactively without the alteration of all subsequent blocks and the collusion of the network. This allows the participants to verify and audit transactions inexpensively.

⇒ EVENTS CONDUCTED

♦ **Intro Arduino Workshop:** A two day workshop on "Intro Arduino" by Inversa Technosoft Pvt.Ltd was organized on 3rd and 4th March 2017. Students were exposed to open source platforms. Hands on training enabled the students to interface sensors with output devices.

♦ A Technical talk on "**Space Technology**" was given by Mr. Srinivasa, Scientist ISRO on 25th March 2017 for first year Students. The talk ignited the spirits of students to learn and innovate in the field of Space technology.

♦ A Technical talk on "**Mobile Networks beyond 4G**" was presented by Mr. Devdas Pai, Founder & CEO Nanocell Networks Pvt.Ltd on 10th May 2017. The talk was highly informative about mobile networks.

⇒ EVENTS ATTENDED

♦ Faculties of the Department attended the "**IMTEX 2017 and the concurrent tool tech 2017**" exhibition organized by "Indian Machine Tool Manufactures Association" from 26th January to 1st February 2017 at Bangalore International Exhibition centre.

♦ Faculties of the Department attended an in-house Faculty Development Program on "**Raspberry Pi and its applications on IOT**" organised in association with M/s Viswajyothi Technologies Pvt. Ltd, Bangalore from 18th to 21st January 2017.

⇒ PUBLICATIONS - FACULTY

♦ **Dr.Manju .V .C**, Prof., published a paper entitled "**Seclusion of waste segregation using ARM**" in International Journal of Electronics Communication and Computer Engineering volume – 8, issue -1, January 2017.

♦ **Dr. Manju .V .C**, Prof., presented a paper entitled "**Real time smart wireless power Transfer section for small scale applications using aerial projector**" in the National conference on Electronics signals and communication organised by GSS Institute of Engineering and Technology for women on 29th May 2017.

⇒ PUBLICATIONS - STUDENTS

♦ **Ms. Sandhaya .R** under the guidance of **Ms. Srividya .R**, Asst. Prof., presented a paper entitled "**Avant – Grade Power Baptism under the Aegis of Maglev Turbines**" in the 3rd National Conference on Multimedia Technology and Communication systems organised by the Department of computer science and Engineering , Malnad College of Engineering, Hassan on 17th and 18th March 2017 under TEQIP-II .

⇒ ACHEIVEMENTS

♦ **Mr. Nagraj .S**, **Ms. Pooja .M .A**, **Mr. Sameer Kumar .P Kulkarni** and **Ms. Sahitya Sirsi** of 6th sem have participated in the state level Telecommunication Project Model competition, "TELEUTSAV - 2017" organised by Department of Telecommunication Engineering GSSSIETW, Mysuru in association with IETE on 17th April 2017.

♦ The project entitled "**Smart Pill Box**" done by 8th sem students **Mr. Bhargava .S**, **Mr. Dharma Surya Teja .M** ,**Mr.Naren .K .V** and **Ms. Arundati .P .V** under the guidance of **Dr. Manju .V .C**, Prof., has been selected for 40th series state level seminar and exhibition organised by Karnataka State Council for Science and Technology.

♦ The project entitled "**Implementation of spatial Augmented reality to control Robotic Arm**" done by 8th sem students **Mr. Bharath Gowda**, **Mr. Rahul Kumar**, **Ms. Sirisha .N .S** and **Ms.**

Nishkala under the guidance of **Mr. Senthil Babu .K**, Assoc. Prof., has been selected for 40th series state level seminar and exhibition organised by Karnataka State Council for Science and Technology.

♦ The project "**Real time pluggable system for wheel chair with sociometric solutions**" done by 8th sem students **Mr. Dheeraj .R .S**, **Ms. Smita .B .P**, **Ms. Sajani .R. Shetty** and **Ms. Aishwarya Pai** under the guidance of **Ms. Rekha .N**, Assoc. Prof., has been selected for 40th series state level seminar and exhibition organised by Karnataka State Council for Science and Technology.

♦ **Ms. Pragya Rai**, **Ms. Nandini C**, **Ms.Anusha Ananth** and **Ms. Apoorva .S** of 6th sem have participated in the state level Telecommunication Project Model competition, "TELEUTSAV - 2017" organised by Department of Telecommunication Engineering GSSSIETW, Mysuru in association with IETE on 17th April 2017.

♦ **Ms. Meghana .M .A**, student of 6th sem exhibited the project titled "**Cloud Gaming and virtual Reality**" in the second National students Project Exhibition -2017 organised by **Alpha college of Engineering**, in association with AICTE on 7th May 2017.

♦ **Ms. Prajutha .M** , **Ms.Ranjitha .H .N** and **Ms. Deepashree .R**, students of 6th sem conducted 3 day education camp for the students of Chamrajpet Government School, organised by Live Creative NGO in association with FINDXPRO and YUVA workspace from 9th February to 11th February 2017.

♦ **Ms. Prajutha .M**, **Ms. Ranjitha .H .N**, **Ms. Deepashree .R** and **Ms. Kayva .R** conducted a 2 day education camp for the students of Gottigere Government School on 26th and 27th February 2017.

♦ **Ms. Prajutha .M** , **Ms.Ranjitha .H .N** and **Ms. Deepashree R**, students of 6th sem went as a Scribe for the blind students of APS College, Bangalore for 2nd PUC Examination through NSS from 9th to 23rd March 2017.

♦ **Ms. Navira Sainath**, student of 6th sem attended a 10 day workshop on "**Advanced Robotics and Embedded systems**" organised by Digitalabz from 13th to 22nd January 2017.

♦ **Ms. Shilpa Uppor** of 6th sem was awarded **1st place** in the street play competition of Furore'17 organised by Dayanand Sagar College of Engineering from 30th to 31st March 2017. She has also worked as Yakshagana theatre basics tutor during the Art development camp organised at Manoranjini Auditorium Kala Kadamba art centre from 2nd April to 14th May 2017.

♦ **Mr. Pranava Karanth** of 6th sem has won **2nd place** in "Classical Solo singing during Utsav 2017, organised by BMSCE on 1st April 2017 and also won **2nd place** in "Voice of 8th Mile Eastern" competition organised by RVCE from 24th to 26th March 2017.

♦ **Ms. Sreelakshmi .N .S**, **Ms. Prajutha .M** and **Ms. Suchithra .R .V**, students of 6th sem underwent an internship program on "**3D printer and its advancement**" organised by Live Creative NGO, Bangalore from 11th September 2016 to 12th February 2017.

♦ **Mr. Sameer Kumar .P. Kulkarni**, student of 6th sem underwent an internship program on "**Telerobotics,LAN and parts of Wireless Communication**", organised by JSW Steel Limited, Mumbai from 6th January to 11th February 2017.

♦ **Mr. Rukesh .T** student of 4th sem, has participated in Reliance Jewels Mr. and Ms India competition held on April 1st 2017 at Mantri Square, Malleshwara

♦ **Mr.Aditya .S, Mr.Srihari .N .V and Mr. Vineeth .R ,** students of 4th sem were awarded first place in **INNOVACEEE**A 2K17 organised by the IEEE council on 11th March 2017.

⇒ **FINAL YEAR PROJECTS**

♦ **Solar Peizo Hybrid Power Charging System** guided by Ms. Chanda .V. Reddy, Assoc.Prof. -Ankitha .A. Jain, Ranjitha .S, Chethan .K .C, Thahir Saquib Khan.

♦ **Rough Terrain Robot With a Robotic Arm** guided by Ms. Chanda V Reddy, Assoc.Prof. -Manjunath .R, Chethan Kumar .T .S, K. Krupanand, Jayadev Gowda .S.

♦ **Performance Analysis of WLANs using MATLAB** guided by Mr. Senthil Babu .K, Assoc.Prof. -Sourabh, Ramesh.

♦ **Android Based Real Time Irrigation System With Crop Protection** guided by Mr. Senthil Babu .K, Assoc.Prof. -Neha .C. Keerthi, Sneha .M, Nayana, Vanditha Kamath.

♦ **Robotic Arm Based Library Automation Using Haptic Technology** guided by Ms. Devika .B, Asst.Prof. -Shruthi .B, Bhavana, Keerthana .D .S, Anusha.

♦ **Portable Live Video Streaming using Raspberry Pi** guided by Mr. Dileep .J, Asst.Prof. -Rahul Mandan, Harish .B .T, Tusha.

♦ **Passenger Bus Alert System For Easy Navigation of Blind** guided by Ms. Suma Santhosh, Asst.Prof. -Rakshita .K .R, Monisha .V, Bindu .K, Shalini .V.

♦ **Iprob- An Android Application for Monitorizing, Tracking and Responding** guided by Ms. Supriya .V, Asst.Prof. -Gayatri .V, Akshatha .A. Rao, Nandini .R, Vedesh Hegde.

♦ **Mapping Robot For Space and Military Application** guided by Ms. Yeshwini .V, Asst.Prof. -Hitesh .V, Raghu .K, Srivatsa .K .M, Akshay .B .P.

⇒ **100% RESULTS**

Digital Switching System	**Dr. Manju .V .C**
Computer Communication Network	**Mr. Senthil Babu .K**
Image processing	**Ms. Rekha .N**
Analog Communication	**Ms. Devika .B**
Electronic Instrumentation	**Ms. Srividya .R**

⇒ **MAGAZINE:**

♦ **Mobile Communication International:**

The February edition of Mobile Communications International includes the results of the 2015 telecoms.com Annual Industry Survey, now in its third year a must read for all senior professionals within the industry. Survey sections include: The Operator Landscape, BSS, Network Functions Virtualisation.

ABOUT THE DEPARTMENT

Science of today is the technology of tomorrow. All that mankind has accomplished in the field of technology is built around the basic concepts and theories of science. As aspiring engineers it is crucial for the students to understand and better acquaint themselves with the ideas that built this world. This conceptual understanding not only enables them to be better engineers but also provides them with the necessary groundwork to gain theoretical excellence and technological advancements. Physics, Chemistry and Mathematics have been the fundamental pillars of scientific education for longer than perceived by man. The faculty of the Basic science department have a complete understanding of these core subjects and help every student in achieving a stronger insight into the world of science. They support the students in all their endeavors and provide them with a sufficient amount of motivation in order to attain excellence. The labs and research centers provide the perfect environment and equipment that aid the students in their journey to become successful and responsible engineers. The scientific outcomes and developments remain effective only when held within the boundaries of humanity. Hence this combination acts as the basic building block for future advancements in this field.   **-Dr. K.R. Jayakumar**

⇒ **LATEST TECHNOLOGY**

LIDAR

Lidar (also called **LIDAR**, **LiDAR**, and **LADAR**) is a surveying method that measures distance to a target by illuminating that target with a pulsed laser light, and measuring the reflected pulses with a sensor. Differences in laser return times and wavelengths can then be used to make digital 3D-representations of the target. The name LIDAR is an acronym for Light Detection and Ranging.

Lidar originated in the early 1960s, shortly after the invention of the laser, and combined laser-focused imaging with the ability to calculate distances by measuring the time for a signal to return using appropriate sensors and data acquisition electronics. Its first applications came in meteorology. The general public became aware of the accuracy and usefulness of LIDAR systems in 1971 during the Apollo 15 mission, when astronauts used a laser altimeter to map the surface of the moon.

Lidar uses ultraviolet, visible, or near infrared light to image objects. It can target a wide range of materials, including non-metallic objects, rocks, rain, chemical compounds, aerosols, clouds and even single molecules. A narrow laser-beam can map physical features with very high resolutions; for example, an aircraft can map terrain at 30-centimetre resolution or better.

Lidar has a wide range of applications which can be divided into airborne and terrestrial types. Airborne LIDAR is when a laser scanner, while attached to a plane during flight, creates a 3D point cloud model of the landscape. This is currently the most detailed and accurate method of creating digital elevation models, replacing photogrammetry.

⇒ **ACHIEVEMENTS**

♦ **Dr. K.R. Jayakumar** has delivered Engineering Mathematics - IV lectures in VTU Edusat programme 22 for the fourth semester Engineering Students of all branches in the even semester of 2016-2017.

♦ **Ms. Susheela Priyanka** 2nd Sem, CSE student was honored by the Hon. President of India His Excellency Sri. Pranab Mukherjee on 26th January 2017 as the **Best NCC Cadet**.

⇒ **PUBLICATIONS**

International Journal

♦ **Mr B. S. Venkatramana, Ms. Jalaja .P, Dr. K. R. Jayakumar,** published a paper titled "**The influence of heat generation(absorption) and thermal radiation on MHD laminar boundary layer flow over a moving cylindrical rod**" in the International Journal of Engineering Science & Research Technology Volume 6, Issue 2 Feb 20, 2017, pages 471-475.

♦ **Ms. Jalaja .P, Mr. B. S. Venkatramana, Mr. Naveen .V, Dr. K. R. Jayakumar** published a paper titled **"Thermal radiation effect on MHD natural Convection Boundary Layer flow over a plate with injection and variable viscosity"** in the International Journal of Research GRANTHALAYAH, A knowledge repository - Vol 5(ISS.4 RASTA, April 2017 pages 52-58).

♦ **Ms. Jalaja .P, Mr. B. S. Venkatarana, Dr. K. R. Jayakumar** published a paper titled **"The Effect of viscous dissipation on MHD nonsimilar Boundary Layer Flow with an Exponentially decreasing velocity distribution"** in the International Journal of Research in Engineering & Applied Science (IJREAS), Vol-7 Issue 6, June 2017, pages 121-128.

Training & Placement

ABOUT THE DEPARTMENT

Our Institute holds the pride of place being pioneers in the field of engineering and technical education. We have been continuously ranked among the elite by our peers and our constant pursuit of excellence has made our institute a focal point in technical education for students and faculty members alike.

The primary objective of the Training and Placement Cell are to provide technical training to give hands on experience of the actual work environment which helps the candidates to identify and inculcate the necessary soft skill. The Training and Placement Cell conducts training sessions throughout the year, organizes seminars and workshops on various current topics, provide exposure to latest personality development modules, industrial visits, orientation program personal counseling by the professionals, industry-institute interactions, etc. which has resulted into dramatic placements in the reputed companies across the country. The Training and Placement Cell has set high goals for itself I.E. **if you can dream it, you can do it.**

- Dr. Ranjana Jain

⇒ **ACHIEVEMENTS**

♦ **Dr. Ranjana Jain** got "**Performance Award**" By **Aspiring Minds** in Career **Guru Awards Ceremony** for **outstanding effort** and constant contribution of **Training and Placement** towards fulfilling the placement aspirations of their students and contributing to build the **Indian Growth Story.**

♦ **Dr. Ranjana Jain** has published a paper on "**Laboratory method to study the surface corrosion of ZrO_2 + 5 Cao + Al_2O_3 coating applied on grey cast iron substrate**" in the International Journal of Scientific and Engineering Research, Vol. 8, Issue 5, May - 2017.

♦ **Dr. Ranjana Jain** has published a paper on "**Salt fog spray corrosion (SFSC) Study on ZrO_2 + 5 Cao + Al_2O_3 composite functionally graded coating on Al 6061 and Grey Cast Iron substrate Ceramic**", Elsevier Journal - 2017.

Hearty congratulations to outgoing students who are placed in Reputed companies. (2017)

Sl. No	Company	CS	EC	TC	ME	Total
1	INFOSYS	22	7	2	14	45
2	NTT DATA	13	5	-NA-	-NA-	18
3	INDIAN NAVY	6	5	1	23	35
4	TECH MAHENDRA	25	11	11	20	67
5	MINDTREE	4	-NA-	-NA-	-NA-	4
6	WESTLINE SHIPPING	0	8	0	21	29
7	ALPHA 9 MARINE	-NA-	7	-NA-	12	19
8	SAP LABS	1	0	0	0	1
9	PRIME MOVERS	-NA-	-NA-	3	-NA-	3
10	CGI	1	0	1	0	2

Sl. No	Company	CS	EC	TC	ME	Total
11	IBM	5	1	4	1	11
12	IBM DEVELOPMENT	1	0	0	0	1
13	VEE TECHNOLOGIES	1*	0	3*	0	4*
14	THASMAI	0	0	1	0	1
15	42 HERTZ	2*	0	0	0	2*
16	AMAZON	2	1	1	4	8
17	TAYANA SOFTWARE	0	2*	1*	0	3*
18	ARTECH SOFTWARE	2	0	4	1	7
19	Q - SPIDERS	4	4	3	0	11
20	GLOBAL AUTOMATION	11*	7*	3*	0	21*

ABOUT THE DEPARTMENT

KSIT Library is a resource center for teaching, learning and research. Being the heart of the academic center, is a home for all the information services. It provides continuous access to Knowledge and information in the Library to the students and faculty of the institute for achieving excellence in their chosen disciplines. Library has spread over two floors with 250 seating capacity, state of art digital library, Discussion room, Stack Area, Reference Section, Circulation Counter, OPAC Search, Journals/Magazines and Newspaper Section are made available.

- Dr. V. Bharathi

COLLECTIONS

Books	
Under - Graduate	
Volumes	34860
Titles	4760
Post - Graduate	
Volumes	582
Titles	171

The Library holds a collection of printed as well as electronic resources which includes books, journals, CDs/DVDs, e-books, e-journals, previous years question papers, Bound Volumes and Project Reports. The Library subscribed e-Resources through VTU Consortium and also availed DELNET membership for resource sharing purpose.

E-RESOURCE FOR THE YEAR 2017

Publisher	No. of E-Resource
IEL Online (IEEE)	273 Journals 6514 Conf. Proc. 3043 Standards
Springer E- Journal	680 Journals 12125 e-Books
Elsevier Science Direct	228 Journals
Taylor and Francis	535 Journals
Pro - Quest	3900 Journals 7800 Abstracts
K - Nimbus: Digital Library Platform	12000+

EDITORIAL TEAM

Kammavari Sangham Institute of Technology wore a festive look on May 10th, 2017. It was a congregation of research scholars, students across the country to be heard, interact and envision solutions that benefit scholarly communicating the National Conference on **Current Advancement in Science and Technology**.

The conference was inaugurated by the chief guests, eminent personalities from the sphere of science and technology. The chief guests for the day were **Dr. K. Ramachandra** former Director GTRE, DRDO Bangalore and **Dr. L. V. Muralikrishna Reddy**, former president IEI, Kolkata and was presided by the management of the Kammavari Sangham group of Institutions and our ever endearing Principal Dr. T. V. Govindaraju. About 300 odd papers were presented in the conference. Number of sessions were organised at various venues by the department of ME, CSE, ECE, TCE, BS&H, Library and Physical Education. In each session a best paper was selected by the session chair and the presenter was awarded with a certificate, memento and a cash prize.

NCCAST-2017 was a huge success aiding advancements that this generation has made in Science and Technology. A big thank you to the management and staff of the organizing committee of all the departments of the Kammavari Sangham Institute of Technology for its organization of the National level Scientific Conference.

A GLIMPSE OF THE EVENT

"Students will forget what the Books taught, But they will never forget what the Teacher said."

MECHANICAL ENGINEERING

Theme: **Current Developments and its Applications in Mechanical Engineering (NCDAME)**

Number of papers presented: **41**

♦ **Session 1**

Session Chair: **Dr. Jagdeesh**, Professor and HOD of Mechanical Engineering, BIT, Bangalore.
Internal faculty: **Dr. Girish Ramaiah**, Prof. KSIT, Bangalore.

The best paper selected:
"Photoelastic Investigations of Transition Region between Finite and Infinite lengths of flat Paltes with Circular Cut-outs located at their centre under uniform tension" Author - Mr. B. V. S. Murthy, KSIT, Bangalore.

♦ **Session 2**

Session Chair: **Dr. Shailesh Rao**, HOD of Mechanical, KSSEM, Bangalore.
Internal Faculty: **Dr. K. Rama Narasimha**, HOD of Mechanical, KSIT Bangalore.

The best paper selected:
"Stress Analysis of Rear Axle Housing" Author - M. Pavan Kumar, Rakshith .K, Prasad .B .S and Vinay Kumar .M guided by Mr. B. V. S. Murthy.

♦ **Session 3**

Session Chair: **Dr. K. Gopala Krishna**, Assoc. Dean, CIIRC, JIT, Bangalore.
Internal faculty: **Dr. M. M. M. Patnaik**, Prof. KSIT, Bangalore.

The best paper selected:
"Experimental Investigations on the Thermal Performance of a Vertical Closed Loop Pulsating Heat Pipe (VCLPHP) using Binary Mixture of Fluids" Author - Mr. Pradeep .G .V, Jain University and Dr. Rama Narasimha .K.

♦ **Session 4**

Session Chair: **Dr. C. B. Mohan**, JIT, Bangalore.
Internal faculty: **Mr. B. V. Srinivasa Murthy and Ms. Sreesudha . N**, Prof. KSIT, Bangalore.

The best paper selected:
"Compact Heat Exchanger – A Review" Author - Rajath Kumar .S .R guided by Dr. Rama Narasimha .K.

♦ **Session 5**

Session Chair: **Dr. Shailesh Rao**, HOD, KSSEM, Bangalore
Internal faculty: **Dr. Girish Ramaiah**, Prof. KSIT, Bangalore.

The best paper selected:
"A Review of Elastomers in Polyjet Additive Manufacturing of Electro-Mechanical Devices" Author - Mr. Yogendra Mahajan, Dr. T. V. Govindraju.

COMPUTER SCIENCE AND ENGINEERING

Theme: **Networking, Image processing and Multimedia (NaCoNIM)**.

Number of papers presented: **41**

♦ **Session 1**

Session chair: **Dr. S. Balaji**, Professor, Jyothi Institute of Technology, Bangalore.

The best paper selected:
"AUTONOMOUS CAR ON RASPBERRY PI USING OPEN CV" by the authors Apoorva Rai .N, Anushreee, Manasa Gowri, Avvari Rachana & guided by Mr.Pradeep Kumar .G .H, Asst.Prof.

♦ **Session 2**

Session chair: **Dr. S. Balaji**, Professor, Jyothi Institute of Technology, Bangalore.

The best paper selected:
"METAPHASE MOBILE APPLICATION FOR LANGUAGE TRANSLATION" by the authors Amulya .K. Murthy, Shri Raksha .N, Varsha .R, Soumyashree & guided by Mr.Kumar .K, Asst.Prof.

♦ **Session 3**

Session Chair: **Dr. Girijamma .H .A**, Professor, R N S Institute of Technology, Bangalore.

The best paper selected:
"MOTION BASED TRAFFIC LIGHT CONTROL SYSTEM" by the authors Sandhya .B .R , Deekha .M .N, Shwethashree .R, Darshana .S & guided by Mr. Roopesh Kumar .B .N, Asst.Prof

♦ **Session 4**

Session Chair: **Dr. Girijamma .H .A**, Professor, R N S Institute of Technology, Bangalore.

The best paper selected:
"DIFFERENTIALLY PRIVATE ONLINE LEARNING- MULTIMEDIA BIG DATA" by the authors Poornapragna Vadiraj, Sohan .M .V, Chinmay .S. Watwe, Thejas .B .S & guided by Mr. Sanjoy Das, Asst.Prof.

♦ **Session 5**

Session Chair: **Dr. S. V. Sheela**, Assoc. Professor, BMS College of Engineering, Bangalore.

The best paper selected:

"NEAR FIELD COMMUNICATION (NFC) FOOD ORDERING SYSTEM" by the authors Anirudh .K .R, Karthik .K .S, Aditya .R, Mahinder .P & guided by Ms. Deepa .S .R, Assoc. Prof.

◆ **Session 6**

Session Chair: **Dr. S. V. Sheela**, Assoc. Professor, BMS College of Engineering, Bangalore.

The best paper selected:
"AN APPROACH TO SAVE ENERGY IN CLOUD COMPUTING USING FOG COMPUTING" by the authors Kruthika Vittal, Harshitha .C .A, Sangeetha .G, Monica Nag .S, & guided by Mr. Kushal Kumar .B .N, Asst.Prof.

◆ **Session 7**

Session Chair: **Dr.Rama Mohan Babu**, Professor and HOD, Dayananda Sagar College of Engineering, Bangalore.

The best paper selected:
"INVESTIGATION AND IMPLEMENTATION OF BIT VECTOR ENCODING IN ONTOLOGY MODELS FOR IOT " by the authors Divya .N & guided by Harshavardhan .J .R, Assoc. Prof.

ELECTRONICS AND COMMUNICATION ENGINEERING

Theme: **Recent Trends and Application in Electrical and Electronics Engineering (NCRTAEEE)**

Number of papers presented: **49**

◆ **Session 1**

Session chair: **Mr. Gopalakrishna**, Deputy Controller of Examinations, Jain University, Bangalore.
Internal faculty: **Mr. Santhosh Kumar**, Assoc. Prof, Dept. of ECE, KSIT.

The best paper selected:
"SMART WIRELESS AUTOMATIC COLLISION DETECTION OF VEHICLE AND MOBILE TELEMEDICINE SYSTEM".

◆ **Session 2**

Session chair: **Ms. Jaya Gowri**, Professor, Dept. of ECE, BMSCE
Internal Faculty: **Dr. M. J. Shanthi Prasad**, Prof. Dept. of ECE, KSIT.

The best paper selected:
"SURAKSHA ROBOT".

◆ **Session 3**

Session chair: **Mr. Gopalakrishna**, Deputy Controller of Examinations, Jain University, Bangalore.
Internal faculty: **Ms. Prathima .B .A**, Asst. Prof. Dept. of ECE, KSIT.

The best paper selected:
"HAN BASED SMART ATM".

◆ **Session 4**

Session chair: **Dr. Girish .V. Attimarad**, HOD, Dept. of ECE, KSSEM
Internal faculty: **Mr. K. V. Madhavamurthy**, Asst.Prof, Dept. of ECE, KSIT.

The best paper selected:
"AUTOMATED BLOOD AVAILABILITY TRACKING SYSTEM USING IOT FOR HOSPITALS"

◆ **Session 5**

Session chair: **Dr. Parameshachari**, Professor and Head, Dept. of TCE, GSSSIETW
Internal faculty: **Dr. Surekha .B**, Professor, Dept. of ECE, KSIT.

The best paper selected:
"IMPROVING THE NATURALNESS OF A CONCATENATION BASED TTS OUTPUT"

◆ **Session 6**

Session chair: **Dr. S. B. Bhanu Prashanth**, HOD, Dept. of Medical Electronics, BMSCE, Bangalore.
Internal Faculty: **Jayasudha BSK**, Asst. Prof, Dept. of ECE, KSIT.

Best paper selected:
"THE AUTOMATIC GRAPH BASED APPROACH FOR THE DISCRIMINATION OF ARTERY AND VEIN IN RETINAL IMAGES".

TELECOMMUNICATION ENGINEERING

Theme: **Technological Innovation in Communication and Computations (NCTICC)**

Number of papers presented: **21**

◆ **Session 1**

Session chair: **Dr. Parameshachari .B .D**, HOD, GSSSIT for Women, Mysuru and **Mr. Sridhar**, Alliance College, Bengaluru.

Best paper selected:
"**Humanoid Arm Tracking by Leap Motion Sensor Technology**" by Mr. Bharath Gowda .P .S, Mr. Rahul Kumar .A, Ms. Sirisha .N .S and Ms. Nishkala guided by Mr. Senthil Babu .K, Assoc. Prof.

♦ **Session 2**

Session chair: **Mr. Akhil Mohan**, IIT –JEE Physics Faculty, Bengaluru and **Mr. Ramachakradhar**, Knappily, Bengaluru.

The best paper selected:
"**Power monitoring system and Bill generation using IOT**" by Mr. Sumanth .K .S, Mr. Mohit .S. Gowda, Mr. Mohith .H .B and Mr. Sachin Kashyap .K guided by Ms. Yeshwini .V, Asst.Prof.

♦ **Session 3**

Session chair: **Mr. Akhil Mohan**, IIT –JEE Physics Faculty, Bengaluru and **Mr. Ramachakradhar**, Knappily, Bengaluru.

The best paper selected:
"**Android Based Agricultural Automation**" by Ms. Nayana .M, Ms. Sneha .M, Ms. Neha .C. Keerthi and Ms. Vanditha Kamath guided by Mr. Senthil Babu .K, Assoc. Prof.

BASIC SCIENCE AND HUMANITIES

Theme: **National Conference on Current Advances in Science and Technology**
Number of papers presented: **31**

Mathematics:

Session chair: **Dr. Srinivas Kumar**, Professor and HOD of Mathematics, New Horizon College of Engineering, Bangalore.
Internal Faculty: **Dr. K. R. Jayakumar**, Professor and HOD, Science and Humanities , KSIT.

Best Paper Selected:
"**Forced convective decelerating accelerative and fluctuating flow over a plate with an applied Magnetic field.**" by Ms. Jalaja, Mr. Venkatramana, Mr. Naveen .V and Dr. K. R. Jayakumar.

Chemistry & Physics:

Session Chair: **Dr. H. B. Muralidhara** Research Head, JIT, Bangalore.
Intenal Faculty: **Dr. Ranjana Jain** Professor, KSIT, Bangalore.

Best papers selected:
"**Synthesis and Optical Properties of Europia-doped YVO_4 (Red nano phosper).**" by Mr. Rajendra, Mr. C. Pandurangappa and Mr. C. Shivakumar.

"**Laboratory method to study the surface corrosion of ZrO_2, 5 Cao + Al_2O_3 coating applied on grey cast iron substrate.**" by Mr. Abhinav .N. Krishnamurthy and Dr. Ranjana Jain.

"**A review of nano materials types, recent advances and future engineering applications.**" by Prajwal Krishna, Pramod Ram, Pranav .J. Athreya, Sumesh .R, Vignesh .P guided by Mr. Kirankumar .S .R

PHYSICAL EDUCATION

Theme: **National Conference on the Importance of Physical Education and Sports in Institute (NCIPESI-2017)**
Number of papers presented: **35**

♦ **Session 1**

Session Chair: **Dr. K. K. Amarnath** and **Mr. K. R. Ashok Kumar**.

Best paper selected:
"**A Study on and Implementation of Physical Fitness Progress in a Corporate Company**" by **Mr. M. A. Thomas**, Physical Education Direction of Sports, HSPL limited, Hospet.

♦ **Session 2**

Session chair: **Dr. Shivarana Reddy** and **Mr. Venkatachalapathi**

Best paper selected:
"**Using Technology in Physical Education**" by **Varuna Raja Basaveshwara**, Research Scholar, UCPE Bangalore University.

♦ **Session 3**

Session chair: **Dr. A. G. Bujarki** and **Dr. Kumarswamy**.

Best paper selected:
"**Career and Professional Development in Physical Education and Sports**" by **Ms. Savitha**, PED, Government First Grade College, Hiriadka, Udupi district.

LIBRARY AND INFORMATION SCIENCES

Theme: **Emerging Trends in Research and Publishing Information (NCETRP-2017)**
Number of papers presented: **17**

Session Chair: **Dr. N. Chowdappa**, Chief Librarian, BMSCE, Bangalore and **Dr. Anitha. S. Rai**, HOD of Library Sciences, NHCE.

Best paper selected:
"**Fascinating Methods for Data Collected for Researches in Science Realm-A Review**" by **Dr. T. R. Sridevi**, RVCE, Bangalore.

Industrial Visit

IISC 2017: All departments of K. S. Institute of Technology visited IISC on 4th March 2017. The main objective of the industrial visit was to give an exposure to the students towards new technologies. This visit invoked students to carry out projects both in their core domain and interdisciplinary domains as well. The students participated in various events which boosted their credentials for future placements. The students found great interest in the field of nanoscience and its applications, which included the mechanism of dust free particles in the room and unmanned aero vehicles.

MECHANICAL

An industrial visit was organized to **HAL- Hindustan Aeronautics Limited** on 25-06-2017 for 6th semester students by Mechanical Engineering department. The visit was to the helicopter overhauling and maintenance division of HAL. Students got the opportunity to experience the work culture at the prestigious organization of our nation and also to practically see how a helicopter is designed, tested under different environments and finally assembled.

TELECOMMUNICATION

The department organised one day industrial visit to **Indian Space Research Organisation (ISRO)**, Bangalore on 9th March 2017 for 2nd and 3rd year students. The whole purpose of this visit was to enhance the knowledge of students with regard to the application of Telecommunication concepts in Space technology. Students got exposed to various satellites models which were launched for human welfare. They were also provided with an opportunity to view the development and validation process of satellites in clean room and unit testing room.

COMPUTER SCIENCE

The entire faculty of the Department of Computer Science and Engineering attended **IMTEX 2017** and the concurrent Tool- tech 2017 exhibition, organized by **Indian Machine Tool Manufacturers' Association** (IMTMA) from 26th January to 1st February 2017 at the Bangalore International Exhibition Centre (BIEC).

" A teacher takes a Hand, opens a Mind and touches a Heart. "

SPORTS

Sports do not build character, they reveal it. -Heywood Brown

It was time for the students of KSIT, KSSEM and KSSA to momentarily forget the millstone of assignment, records and internals. But why? To have some gratification, enjoyment and jollity in the outdoor. Yes it was the KSGI Annual sports meet which was held on the 18th Feb 2017 at the UCPE Stadium.

The ground was filled with the spirited upcoming engineers, who were waiting to experience the joy of sports. The jamboree began with the prayers to the almighty and followed by lighting of lamp which spreads good vibes. The presence of our Honourable President **Mr. Y. Ramachandra Naidu**, respectable Secretary **Mr. K. Venkatesh Naidu** and our beloved Treasurer **Mr. Rukmangada** brought exuberance to the event. We were proud to have **Mr. Jagadish**, CCL and CBL player, cine actor as the chief guest and **Mr. Arshad Ulla**, International power lifter (Alumni of KSSEM) as the guest of honor for the event.

To brighten the sports event, the eminent sports persons of the college carried the Olympic torch indicating the start of the event. It was a great view to watch all the young girls and boys energetically taking part in various events like the long jump, discuss throw and athletics. All the events were well organized and was given fair judgment. The prize winners were rewarded with medals and they were encouraged by the gathering with their loud applause. **Mr. Thahir Saquib Khan** from the department of **TCE** was awarded the individual championship. As always the more entertaining and fun filled part was to see the lecturers on the ground playing with all the enthusiasm. This thrilled the students even more and they cheered to their favorite lecturers. The sun was about to set and it was time to get back home carrying a lot of memories, happiness and of course hoping for another exceptionally great sports day.

Congratulations to Toppers

MECHANICAL	COMPUTER SCIENCE	ELECTRONICS & COMMUNICATION	TELECOMMUNICATION

I SEM

S. PECHU MUTHU
1KS16ME058
8.67 (SGPA)

AKHILA.N
1KS16CS004
9.33 (SGPA)

NAMRATHA GOPAL
1KS16EC054
9.33 (SGPA)

ANAGHA S.M.
1KS16TE004
9.0 (SGPA)

AMOGHA KEKUDA
1KS16ME008
8.50 (SGPA)

NAGALEKHA RAMESH
1KS16CS049
9.08 (SGPA)

NAMRATHA GANESH
1KS16EC053
9.17 (SGPA)

HIMANTH SASTRY
1KS16TE019
9.0 (SGPA)

III SEM

KIRTHI KUMAR .H. JAIN
1KS15ME036
8.50 (SGPA)

APOORVA.V
1KS15CS010
9.00 (SGPA)

SMITHA .S. KARANTH
1KS15EC095
9.14 (SGPA)

SUSHMA KARANTH.N
1KS15TE045
8.86 (SGPA)

MOHAMMED HASEEBULLA
1KS15ME045
8.50 (SGPA)

NARASIMHA PRASANNA .H .N
1KS15CS062
8.70 (SGPA)

SWATHI .K .S
1KS15EC101
9.14 (SGPA)

B.V. NAVYA
1KS15TE010
8.29 (SGPA)

V SEM

SURAJ .B. PARIHAR
1KS14ME093
81.44%

MAANASA NARAYAN
1KS14CS051
81.67 %

SOWMYA .B .K
1KS14EC102
83.33%

RISHIKESH M P
1KS14TE041
81.22%

SHIV KOMAL YADAV
1KS14ME084
78.67%

CHAITRA .R
1KS14CS029
78.11 %

B. SRUTHI
1KS14EC025
83.33%

APOORVA .S
1KS14TE006
78.89%

VII SEM

NAGARAJ .S. VAIDYA
1KS13ME065
84.33%

SHRI RAKSHA .N
1KS13CS106
80.33 %

RAKSHITHA .G .R
1KS13EC066
78.89%

NAYANA. M
1KS13TE028
78.89%

SHASHIKUMAR .B .P
1KS13ME102
83.67%

LATHA ESHAPPA
1KS13CS046
78.67 %

ROJA .C
1KS13EC071
77.89%

KRUPANAND.K
1KS13TE020
76.00%

"The only limit to our realization of tomorrow will be our doubts of today." - Franklin D. Roosevelt

Farewell Day- 2017

" THE FUTURE BELONGS TO THOSE WHO BELIEVE IN THE BEAUTY OF THEIR DREAMS "

26th May 2017 was a day of joy and pain as well. The occasion was to bid farewell to the batch of 2013-2017 students who are at the threshold of beginning their professional career.

The event was inaugurated by **Dr. K. N. Balasubramanya Murthy,** Vice Chancellor, PES University, Bangalore, was the chief guest presided by the ever endearing management of the Kammavari Sangham group of Institutions, Honourable President **Mr. Y. Ramachandra Naidu**, respectable Secretary **Mr. K. Venkatesh Naidu** and our beloved Treasurer **Mr. Rukmangada.** Our chief guests for the day addressed the students on how to succeed and what should be the manthra to succeed.

It was a matter of pride when students received their awards as class toppers, prizes for the best project. The best outgoing student was awarded to **Shri Raksha. N**, Department of CSE.

"The secret of success is to do the common thing uncommonly well." - John D. Rockefeller Jr.

ANANYA

2K17

UPCOMING EVENTS
IN
K. S. INSTITUTE OF TECHNOLOGY

INAUGURATION DAY

VANQUISH 2K17   OCULUS 2K17

TCE FORUM INAUGURATION

ENGINEERS DAY CELEBRATION   NSS CAMP

TEACHERS DAY CELEBRATION

EQUINOX   WORKSHOP

PLACEMENTS

SEMINARS   TECHNICAL TALK

AND MANY MORE...