





Dear students,

Move steadily forward and towards your goal of becoming a true Engineer. This Newsletter will enlighten your thought which addresses the activities of all the department and its achievement. You should feel proud that you are the inheritors of

a great heritage of your motherland and say proudly that you are Indian. You should take all the good from modern scientific knowledge and also from the ancient treasure of knowledge. You should acquire knowledge on value based life from your parents, teachers, elders and also from the messages of great scholars. You should remember that there are positive and negatives in the life and prepare always to face any challenges in the life with a stabilized mind. You should know Indian achievements in the field of Information technologies, computer science, communication, automobile, agriculture, industrial, atomic energy, defense science, aviation and spiritual science. You should prepare to build a happy and very useful glorious life with a scientific vision, patriotic mission, and for leading a very useful personal and social life.

Whatever may be the limitations of our nation and culture, ours is the only nation which prayed “**saha-naa-vavathu saha-now-bhunaktu saha-veerayam-karavaavahai tejaswinaa-vadheethamastu maa-vidvishaavahai**” - let us exist together, let us share the result of the work together, let us work together, let us enlighten ourselves and let us not hate anyone.

WISH YOU ALL A GREAT SUCCESS IN YOUR LIFE.

Dr. T V Govindaraju
PRINCIPAL/DIRECTOR



Sri Y Ramachandra Naidu
President



Sri K Venkatesh Naidu
Secretary



Sri D Rukmangada
Treasurer

In light of a fresh start after a well earned break following a tedious semester, we have managed to successfully concur yet another onerous year. In exultant celebration, we acclaim the efforts of our newsletter team for chronicling our college's accomplishment over this year. The Newsletter essentially establishes itself as a rostrum in order to commemorate each of these ventures. Accolade our Editorial team for successfully launching the 5th edition of our college newsletter "**CHINTHANA MANTHANA**", we cordially thank every member for their fervent support.

GOOD LUCK

EDITORIAL TEAM

Editorial team is proud to launch the 5th edition of the college newsletter "**CHINTHANA MANTHANA**."

All the latest technologies, activities executed by different departments have been compiled and published in this edition.

Editorial Committee:

Anirudh V
Adithya Pai U
Kushal K Bharadwaj
Naveen Kashyap B N

Apoorva R
Nitish K
Sameer Kumar P
Arjun S D

Aakash P S
Chethana N Gowda
Nihanth K
Pavithra S

Abhishek S G
Akhil G S
Abhishek M
Keerthana V



Department of Mechanical Engineering

ABOUT THE DEPARTMENT



Department of Mechanical Engineering commenced during the academic year 1999-2000 and has an intake of 120 students per year in undergraduate level and 18 in post graduate levels as of now. The department possesses staff of high caliber with 3 Ph.D.s and 12 pursuing their Doctorate. The department is proud to have a Library of its own, fully equipped laboratories and also has a research centre approved by VTU. Department also possess **BAJA**, **MANOVEGAM** committees to encourage talent and skills in the students at National level. Apart from providing a conducive atmosphere for learning the department also constantly strives to improve the quality of engineering through various programs like Technical talk, Workshops.

⇒ LATEST TECHNOLOGY



A collaboration of aircraft makers, fuel cell developers and university engineers have come a step closer to zero emission passenger flights with the first flight of a hydrogen fuel cell four-seater electric aircraft. The HY4's 21.36 m (70 ft.) wing is home to the HY4's central single propeller with a two-seater fuselage on either side, a design that's said to allow for "optimal distribution of the drive components and a higher total loading capacity." Each fuselage is home to a 9 kg (20 lb) hydrogen storage tank that feeds the four low temperature Proton Exchange Membrane fuel cell modules sat behind the prop. These cells convert hydrogen and oxygen into water and electrical energy. The cells continuously power the aircraft's electric motor during light, while 21 kWh lithium polymer battery packs help out during take-off and climb. The HY4 is reckoned capable of a maximum range of 1,500 km (930 mi), though this will depend on speed, altitude and load. Its 80 kW electric motor is said to make a maximum speed of around 200 km/h (124 mph) possible, with a cruising speed given as 145 km/h (90 mph).

Inini's 2.0

Four cylinder VC-T engine can vary its cylinder compression ratios between 8:1 (allowing high turbo boost for maximum performance) and 14:1 (giving you maximum efficiency when you're cruising). Forget variable length intakes and variable valve timing, Inini is going all the way and introducing variable cylinder compression ratios. The new VC-T turbo engine automatically adjusts between a high-powered 8:1 and a hugely efficient 14:1 ratio as you drive. As environmental protection measures continue to tighten the screws, combustion engine manufacturers are getting more and more creative in their efforts to squeeze more out of gasoline. The engine changes compression ratios depending on how you're driving; when you put your foot down and the turbo starts working hard, forcing a heap of air into the



cylinder, the air-fuel mix becomes more likely to pre-detonate. They don't need valves or injectors or clutches. They're so flexible they don't even need gearboxes much of the time. They deliver full torque from a standstill, with nothing like the bizarre power curves you need to deal with on a combustion engine, an actuator arm that changes the angle of a multi-link that sits around the crankshaft, raising and lowering the top and bottom points of the piston stroke without moving the crankshaft or the cylinder head.

⇒ EVENTS CONDUCTED

◆ "Applications of 3D printing"

On 13th February 2016 a Technical talk was given by **Mr. Vijayasimha S.K.**, managing director, Akuva InfoTech on "Applications of 3D printing". He highlighted that in future there will be only 3D printings. It replaces machines and various allied operations. He gave a demo on how the ingredients are put in, how to feed the data of 3-Dimension of the product. He told how it operates and the product is produced with various contours. He compared conventional machines/manufacturing with 3-D generations.

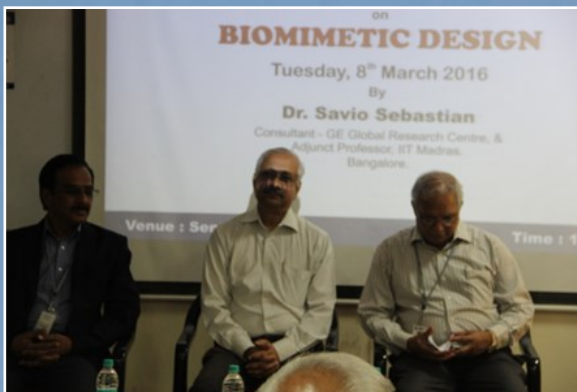


◆ “Opportunities in manufacturing field”

On 24th February 2016 a seminar on **“Opportunities in manufacturing field”** was given by: **Shree Rajashekara**, Director, Design Insitute, Bengaluru. He briefed regarding what is manufacturing and various fields in manufacturing. He also discussed on total quality management. He was insisting that this is core of any industry in transforming or processing of ore to minerals, minerals to metal production. He emphasized this is an evergreen field.

◆ “Biomimetic Design”

On 8th March 2016 a guest lecture was given by: **Dr. Savio Sabasin**, Consultant to GE Global research centre adjunct professor IIT Chennai on **“Biomimetic Design”**. He briefed on adapting nature’s successful designs in engineering practices. Evolution in nature produced some great designs, which we have to understand by using modern materials and techniques. This lecture gave impetus for designers to observe, love and adapt great ideas from nature. Lots of photographs regarding plants, creatures and animals were shown with special features of them in relation with nature.



◆ AUTODESK FUSION 360

On 22nd March 2016 a seminar on **“AUTODESK FUSION 360”** was given by: **Mr. Anand Geetha Govindhan**, Account Manager AEC-RCE, worldwide education. This program was an introduction to a new software developed by Autodesk and it is an updated version of AUTOCAD. This helps engineers and designers to experience their 3D CAED designs before they are built. Even before they are built, every phase of the design is linked to a digital model, which lets the team to test and optimize 3D CAED designs to see that quality maintenance and speed times are met. This helps design, visualize, and simulate the product before they are built.



◆ “Formats of write ups in Research papers”

On 29th August 2016 a seminar on **“Formats of write ups in Research papers”** was given by **Dr. K Rama Narasimha**, Professor and Head, Department of Mechanical Engineering. He briefed about different aspects of paper presentation like review paper, research paper. He also showed various formats of writing a technical paper and also the procedure involved in publishing it. He emphasized on the importance of publishing technical paper and motivated students.



◆ “Robotics And Automation”

On 15th April 2016 an awareness session was given by: **Parthiban A**, Business Development Manager, LEMA LABS CHENNAI on **“ROBOTICS AND AUTOMATION”**, speaker showed lots of videos, where in companies manage by robotics for production, inspection etc. Speaker was emphasizing that future will be of robots. Robots manufacture robots. Today robots are capable of logical thinking, replacing its own worn out parts and works untiringly for 24/7. Some demos on robots were shown which can assess the heights of buildings and was able to calculate the force required to jump over the top of the buildings.

◆ Events Atended

Mr. Umashankar M and **Balaji B**, Associate Professors, attended a 2 day workshop on **“Recent Advances in Additive Manufacturing”** organised by department of Mechanical Engineering, on 19th and 20th August 2016 at Madanapalle Insitute of Technology and Science, Andhra Pradesh.

Mr. Naresha K, Assistant Professor, attended a seminar on **“Skillig Tomorrow’s Engineers with Advanced Product Development Capabilities”** organised by Siemens PLM sotware and Design Tech Systems Ltd, on 27th October 2016 at Shangri-La, Bangalore.

Mr. Mallikarjuna M R and **Mr. Naresha K**, Assistant Professor, had paricipated in a 3 day Naional workshop on **“Realistic Approach to Wear Measurements and Mechanisms”** organised by Department of Mechanical Engineering in association with DUCOM Instrument Pvt Ltd, Bangalore from 19th to 21st September 2016.

⇒ ACHIEVEMENTS

Mr. Girish T R, Assistant Professor, has published a paper on **“Study of Flexural strength of a Hybrid Composite of E-Glass, Jute and Granite filler Material”**, in the 4th National Conference on **“Topical Transcend in Mechanical Technology”** held at S J B Insitute of Technology, May 2016.

Mr. Ranganath N, Assistant Professor, has published a paper on “**Evaluation of Micro Structural and Mechanical Properties of Aluminium-(2%)-Silicon alloy of FSW, TIG and MIG welded material**” in “**National Conference on Emerging Trends in Mechanical Engineering and Technology 2016**” at Jyothy Institute of Technology, August 2016.

Mr. Muralidhar K S, Assistant Professor, has published a paper on “**Conversion of Dissipated Heat Energy into Electrical Energy in IC Engines through Fins**” in “**National Conference on Emerging Trends in Mechanical Engineering and Technology 2016**” at Jyothy Institute of Technology, August 2016.

Mr. Manjunath B R, Assistant Professor, has published a paper on “**Mechanical Characterisation of Al6061/ZrO2/Zirconium Sand Hybrid Metal Matrix Composite**” in “**National Conference on Emerging Trends in Mechanical Engineering and Technology 2016**” at Jyothy Institute of Technology, August 2016.

Mr. Abhishek M R, Assistant Professor, has published a paper on “**Evaluation of Mechanical Properties of Jute/E -Glass Epoxy Hybrid Composites by varying Fibre loading with and without Shear Thickening Fluid**” in “**International Conference AMMT-2016**” held at Siddaganga Institute of Technology, September 2016.

◆ **KSIT CLUBS**

BAJA SAEINDIA- Baja team (**REDLINE RACING**) consisting of 25 members under Associate Prof Mr. K Nagaprasad and Mr. Anil Kumar A, have successfully made through the virtual round BAJA 2017 with 4th place in State and 30th place in National ranking. They are currently working on fabricating the best car for BAJA 2017.



MANOVEGAM SAEINDIA- Manovegam team (**GARUTMAAN**) consisting of 8 members under Associate Prof Mr. K Nagaprasad, are currently designing a micro class aircraft and preparing for virtual round MANOVEGAM 2017 held in February 2017.

⇒ **100 % Results**

Anil Kumar A	-Theory of Elasticity -Tribology
Mallikarjun M R	- Tribology
Manjunath B R	- Manufacturing Process 2
Rajesh Kumar V	- Non Traditional Machining
K V Manjunath	- Non Traditional Machining
Parashuram A K	- Automotive Engineering



MAGAZINES



This is the most readable mechanical engineering magazine and this is due to the fact that designing is the basic step for the manufacturing and production of the products. Now there are lots of software's and computer applications for designing of the products.



Gear solution magazine would be the first choice for the students. It's really interesting and are totally based on mechanics and manufacturing which is the core topics of mechanical engineering. This magazine comprises of efficient technique for the manufacturing of automobile parts.



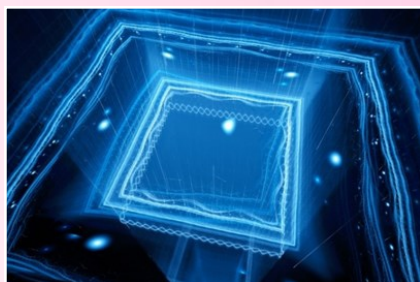
ABOUT THE DEPARTMENT



The Department of Computer Science and Engineering offers B.E and also M.Tech in CSE. The department has well qualified, experienced and committed faculty to provide qualitative, industry tuned education to students and also whole-hearted support from the principal and HOD. The department infrastructure fulfill and supports learning skills on the latest technology in the industry. The students are molded with multi-dimensional skills covering all the required graduate attributes. Our mission is to develop professionals with social responsibility to become leaders in top-notch industries and also become entrepreneurs with good ethics. It also has several active forums like CSI, ISTE and IEI where students learn to do projects, present technical papers and students work together which imbibes teamwork and leadership qualities. Various workshops on basic C, android and web-development, Internet of Things remain active throughout the year to enhance the skills of students and teachers. Our department has also received grant from KSCST of Rs 3000 each for two student projects entitled as **“Video stitching and Object Tracking”** guided by **Dr. Rekha B Venkatapur**, Prof & Head & **“Predictive analysis of diabetes using classification techniques”** guided by **Mr. Pradeep K.R**, Asst. Prof got a grant of Rs 15000 from IEI.

⇒ LATEST TECHNOLOGY

Quantum computers are largely hypothetical devices that could perform some calculations much more rapidly than conventional computers can. Instead of the bits of classical computation, which can represent 0 or 1, quantum computers consist of quantum bits, or qubits, which can, in some sense, represent 0 and 1 simultaneously.



Although quantum systems with as many as 12 qubits have been demonstrated in the lab, building quantum computers complex enough to perform useful computations will require miniaturizing

qubit technology, much the way the miniaturization of transistors enabled modern computers.

Trapped ions are probably the most widely studied qubit technology, but they've historically required a large and complex hardware apparatus. In today's *Nature Nanotechnology*, researchers from MIT and MIT Lincoln Laboratory report an important step toward practical quantum computers, with a paper describing a prototype chip that can trap ions in an electric field and, with built-in optics, direct laser light toward each of them.

“If you look at the traditional assembly, it's a barrel that has a vacuum inside it, and inside that is this cage that's trapping the ions. Then there's basically an entire laboratory of external optics that are guiding the laser beams to the assembly of ions,” says Rajeev Ram, an MIT professor of electrical engineering and one of the senior authors on the paper. “Our vision is to take that external laboratory and miniaturize much of it onto a chip.”

⇒ EVENTS CONDUCTED

- ♦ A Guest Lecture on **“Overseas Education and International Career”** was conducted on February 2nd 2016 by CSI Student Chapter in association with SIEC, Bengaluru.



- ♦ A Workshop was organized by **“APP DESIGN PROTOTYPING”** on 19th March 2016, under CSI Student Chapter in association with Creative InfoTech, Bengaluru.



- ♦ A Technical Talk on **“IoT and Industry trends”** was conducted on 30th April 2016, presented by Alumni **Mr. Abhiroop Matilal**, Manager, IOT Business Strategy (Automotive) Tech Mahindra, Bengaluru, Thanks to Alumni of 2004 Batch Dept of CSE, KSIT who shared his



- ◆ The Department of Computer Science and Engineering in collaboration with Electronics and Electrical Engineering Organized Awareness program on **"John Deere presents Techno- Champ 2016"** was conducted on 21st April 2016 by **Mr. Girish .K** from BMSCE College, Bengaluru under KSIT-ISTE Student Chapter.
- ◆ A Guest Lecture on **"Joy of Learning Computer Networks"** was conducted on **16th April 2016**, for 6th Semester, CSE students by **Prof. Chidambara**, PESIT, Bengaluru under CSI Student chapter.



- ◆ A Technical Talk on **"Opportunities & Trends in Animation, Visual Effects and Gaming Industry"** by **ICAT Design and Media** was conducted on 9th March 2016, under KSIT-ISTE Student Chapter.



⇒ EVENTS ATTENDED

- ◆ **Dr. Rekha B Venkatapur**, Prof & Head ,attended a Workshop on **"National Program On Technology enhanced Learning"** organized by **JIT, Bengaluru** on 20 January 2016.
- ◆ Faculties of the computer science department have attended FDP on **"R&D Funding opportunities & intellectual property rights"** at **KSIT, Bengaluru** on March 28th 2016.
- ◆ **Mr. K.Venkata Rao**, Associate Prof, **Mrs. Deepa.S.R**, Asst. Prof, **Mrs. Swathi K**, Asst. Prof & **Mrs. Renukadevi.S**, Asst. Prof ,**Mrs. Mamatha**, Asst. Prof attended **Workshop on "App Design Prototyping"** at **KSIT, Bengaluru** on 19th march 2016.
- ◆ **Mrs. Deepa.S.R**, Asst. Prof, **Mrs. Sangeetha.V**, Asst. Prof, **Mrs. Sougandhika Narayan**, Asst. Prof & **Mrs. Renukadevi.S**, Asst. Prof, **Mr. Aditya.Pai.H**, Asst. Prof, **Mrs. Mamatha**, Asst. Prof, **Mr. Pradeep K.R**, Asst. Prof, **Mrs. Vaneetha**, Asst. Prof, attended FDP on **"Writing Research Proposals"** at **KSIT, Bengaluru** on 1st February

2016.

- ◆ **Mrs. Sangeetha.V**, Asst. Prof & **Mrs. Vijayalakshmi.M**, Asst. Prof attended Workshop on **"Plagiarism"** at **CMRIT, Bengaluru** on 4th march 2016.
- ◆ **Mr. Piyush Pareek**, Asst. Prof attended **"Journal Round Table 2016"** at **Le Meridian, Bengaluru** on 8th march 2016.
- ◆ **Mr. Aditya.Pai.H**, Asst. Prof attended 5 days FDP on **"IoT Ecosystem - A hands on workshop with Hackathon"** at **JIT, Bengaluru** from 4th January 2016 to 9th January 2016.
- ◆ **Mrs. Siddu Tushara.M.S**, Asst. Prof & **Mrs. S.Kokila**, Asst. Prof attended FDP on **"Python for Research Applications"** at **DSCE, Bengaluru** on 10th march 2016.
- ◆ **Mr. Pradeep K.R**, Asst. Prof, **Mr. Kumar K**, Asst. Prof attended a FDP on **"IoT PRIDE-Partnership Reinforcement and Developmental Engagement"** organized by **TCS** on 23rd and 24th May 2016.

⇒ ACHIEVEMENTS-STUDENTS:

- ◆ **Bhavani.B**, **M. Shruthi**, **Madhubala.S**, **Nirusha.A** presented a paper on **"Steganography using reversible texture synthesis"** at National level project competition and exhibition **"Tech-storm-2016"** at **GSSS institute of engineering & technology for women**.
- ◆ **Vasudev.S.V**, **Akshay Kumar. T**, **Ashwin Bharadwaj**, **Nidhi Subramanya L** presented a paper on **"Video Stitching & Object Tracking"** and secured **2nd** place in, 5th National Conference on ETET-16.
- ◆ **Sonali Singh**, **Swetha.R**, **S.Varna**, **Shaburul Hasina.S** presented a paper on **"Nazi-An App for English correction Grammar"** on 2nd national conference on advances in Computing Technology.
- ◆ **Sharanya M S**, **Rajesh D** presented a paper on **"Web App Development"** on **CSI-GAT State level Tech-Meet-2016**, Feb-2016 at **Global Academy of Technology**.
- ◆ **Meena.M**, **Nandini.R**, **Kruthika.K.P**, **Kavya.N D** presented a paper on **"Survey on Big Data storage and Analysis using berkley database"** at national conference in **"Information and communication technologies"** at **R.V.C.E, Bengaluru**.
- ◆ **Himanshu Prasad** of 6th semester secured first place in Mini Project Exhibition on **"Computer Graphics"** for the project on **"Rocket Launching"**.
- ◆ **Ankur Kumar** of 6th semester and **Amulya K Murthy** are Campus Student Ambassador for **IBNC INDIA & GOOGLE** respectively.

⇒ ACHIEVEMENTS-Faculty

- ◆ Paper published for **International Conference on Computer Science and technology allies in research**, **ICCSTAR-2016** titled **"Literature Review : Web Mining Techniques in Health Care Applications"** in may 2016 by **Mrs. Priyanga.P**, Asst. Prof.
- ◆ Paper published for **International Journal of Engineering Research and Science** titled **"Survey On Long term Product Planning and Requirements, Prioritization to customer value creation"** in Volume-2, Issue - 6, pp:83-90 , June 2016 "ISSN : 2395-6992" by **Mrs. Swathi. K** Asst. Prof.

- ♦ Paper published for **Springer India** on **“Data Mining for Healthy Tomorrow with the Implementation of software project managements Techniques”**, “ISBN-978-81-322-2654-3PP 345-355”/Vol 394, 6thFeb 2016 by **Mr. Adithya Pai H**, Asst. Prof and **Mr. K. Venkata Rao**, Associate. Prof.
- ♦ Paper published for **International Journal of Engineering and science** titled **“A Survey on Approaches for predicting performance of students”** in Volume-2, Issue-6, pp:75-82, June 2016, “ISSN : 2395-6992” by **Mrs. Swathi.k**, Asst. Prof.
- ♦ **Pavan Kumar M.S**, secured 1st prize in Presentation Competition- **PANTHEON-16** held at RNSIT Bangalore on 18th and 19th April 2016.
- ♦ **20 Papers** were published and presented in various International Journals, National Conferences, and International Conferences during April 2016 to June 2016.

⇒ VARIOUS CLUB DETAILS:

- ♦ Google’s **“Applied CS with Android”** Program was conducted on April 7th 2016 for university computer Science students which enhance various concepts from their current curricular work. The program revisits concepts from Data Structures and Algorithms using Android as platform for development. 54 students registered for the program.

⇒ FACULTIES REGISTERED FOR PhD 2014-15

- ♦ **Mrs. Swathi. K**, Asst. Prof.
- ♦ **Mr. Aditya Pai.H**, Asst. Prof.

⇒ MAGAZINES:

- ♦ **Computer active** is the UK’s **best-selling** fort **nightly computer magazine** and your friendly guide to PCs, gadgets and the web. Plus there are regular news updates, project ideas, help and advice on popular reader queries, articles on anti-virus software, broadband and how to protect your own data, features on consumer rights, and a whole lot more to help you **get the very best out of your computer**.



- ♦ **PC Pro** is the UK’s **number one IT monthly**, keeping readers informed about latest technology developments which is highly accessed by professionals since 2014. We specialize in insight: what’s the best technology to buy for home and business. War stories from IT consultants. What impact the latest developments will have (and what the headlines don’t tell you). In-depth advice on getting more from the kit you already own. Investigative journalism unmatched by any technology publication in the UK.



⇒ FINAL YEAR PROJECTS

- ♦ **“AUTOMATED Dubbing system for regional language”** (secured 1st place in paper presentation) guided by **Mr. Kumar K**, Asst. Prof. - Banashree R, Pavankumar M.S, Prajwal P, Preetham.L
- ♦ **“Predictive Analysis Of Diabetes using Classification Techniques”** (secured 2st place in paper presentation) guided by **Mr. Pradeep K.R**, Asst. Prof. - Tejaswini Nayak.M, Sreelatha M, Ruhma Hissan, Prema T.S.
- ♦ **“Object Tracking Robot Using Open CV On Raspberry Pi”** (secured 1st place in project Exhibition and 2nd prize at JSS for Paper Presentation and 3rd prize for the same project in Nandi Utsav-2016 held at Nandi Institute of Technology and Management on 30th march 2016 and 31st march 2016) guided by **Mr. Pradeep G.H**, Asst. Prof. - Rupa Sree, Sushmitha.R, Sweatha Suresh.B, Sneha.B.R.
- ♦ **“Atomic Education Document Classification Using Natural Language Processing”** (secured 2st place in project Exhibition and also 1st place in paper presentation at JSS) guided by **Mr. Kushalkumar B N**, Asst. Prof. - Srilekha.K, Sanjana.J, Spoorthi.M.
- ♦ **“Sign Language translator using hand gestures”** secured 1st place at srishti-2016 a state level project exhibition and competition organized at CMRIT, Bangalore under the Akhil bharthiya Vidhyarthi Parishad, Karnataka, under the guidance of **Mr. Roopesh Kumar B N**, Asst. Prof. - Ashwini. S, Sharath babu, Kanchan, Venkatesh, Vinayak.
- ♦ **“Video stitching and Object Tracking”** secured 2nd Prize in 5th National Conference on Emerging Trends in Engineering Technologies-ETET 2016 held on 11th and 12th march 2016 at Jyothi Institute of Technology Bangalore by **Dr. Rekha B Venkatapur, Prof & HOD**. - Vasudev S V, Akshay kumar T, Ashwin Bharadwaj K S, Nidhi subramanya.

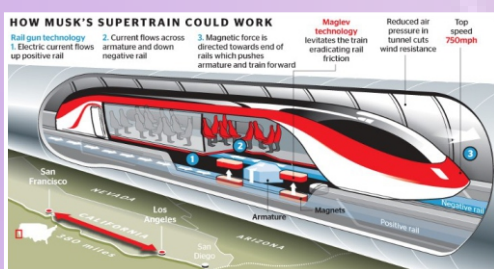
ABOUT THE DEPARTMENT



The Department of Electronics and Communication Engineering was started in the year 1999 with an intake of 60 students and increased subsequently to 120 with an additional intake of 10% lateral entry diploma students. The ECE Department provides a holistic environment for the overall development of the student. It has a dedicated and experienced team of 26 faculty who are highly accomplished with post graduations and doctoral degrees together to provide a conducive atmosphere to achieve excellence in education. The Department is committed to achieve academic excellence in Electronics Engineering and promoting R & D activities. The mission of our Department is to produce Engineers with self-discipline, high integrity and good personality by providing excellent training. It also has several active forums where students learn to do projects, present technical papers and organize various technical events thereby receiving a broader perspective on the professional front and opportunities for teamwork, leadership and service. Apart from providing a conducive atmosphere for learning, it also constantly strives to improve the quality of Engineering through various programs

⇒ LATEST TECHNOLOGY

Futuristic Hyper loop Transportation Technology



Is it a train? Is it a plane? No, It is a futuristic mode of transportation floated by Silicon valley billionaire Elon Musk, that promises high tech High-speed and cheap travel over long distances. Hyper loop One is a reinventing transportation to eliminate barriers of time and distance by using Hyper loop transport to move cargo and passengers immediately, safely, efficiently and sustainably. The project was to develop a high speed, intercity transporter using a low pressure tube train which would reach a top speed of 800 miles per hour with a yearly capacity of 15 million passengers.

It may sound like the stuff of science fiction, but developers insist their dream of passengers seated in pods shooting through a tube above the ground will become a reality by 2020-and change travel as we know it.

Researchers have long dreamt of beating air resistance-dramatically cutting the energy needed for high speed transport-by moving vehicles through vacuum. But it was Musk, the PayPal magnate who has made big bets on rocket with SpaceX and electric vehicles with Tesla, who breathed new life into the idea in 2013 with a paper outlining a "Fifth Mode of Transport" that would link Los Angeles and San Francisco by tube.

⇒ EVENTS CONDUCTED

- ◆ One day Motivational Talk on "Developing Soft Skills"



was organized on **25th Jan 2016** for students of IV Sem ECE students at 10:30 AM in ECE Seminar Hall. **Mr. Vidyanag, CEO, Vidyanag Training Guru Pvt Ltd, Bangalore** was the Guest speaker.

- ◆ One day Faculty Development Program on "Writing research proposals" was organized on **1st Feb 2016** for faculties of various departments at 10:00 AM in ECE Seminar Hall. **Dr. S. Viswanadha Raju, Professor, JNTUH, Hyderabad, Telangana** was the Guest speaker.



- ◆ Two day workshop on **MSP430 microcontroller** was organized under ISTE in collaboration with **JYOTI EMBEDDED LABS** by electronics and communication department on **16th and 17th March 2016**. This workshop was targeted for IV Sem ECE students.



- ◆ Two day workshop on "Wireless Embedded Systems" was organized under IETE in collaboration with Tenet Technetronics on **26th and 27th Feb 2016**.



- ◆ Two day workshop on “Quadrotor” was organized under IEEE in collaboration with Skyfi Education Labs Pvt.Ltd. on **27th and 28th Feb 2016**. Mr. Raju, of Skyfi Labs was the resource person.



- ◆ One day Technical Seminar on “Embedded System Design – An Introduction to Microchip and ARM Microcontroller” was organized on **24th Feb 2016** for students of VI Sem. Mr. N Nithin Avasthi, VP Technical, APSIS Solutions, Bangalore was the Guest speaker.



- ◆ The Project Exhibition was organized on **14th May 2016**. The project exhibition was inaugurated by Mr.Ramachandra Naidu, President Kammvari Sangham. Mr.Rukmangada, Treasurer Kammavari Sangham, Principal & Director Dr.T.V.Govindaraju and Prof & HOD Dr. P N Sudha



⇒ FDP/WORKSHOP ATTENDED BY FACULTY

- ◆ Dr. P N Sudha, Prof & HOD and Mrs. Supriya V G, Assoc Prof, attended 6 day FDP on “ARM Cortex” at BNMIT, Bangalore from 8th to 14th Jan 2016.
- ◆ Mrs. Anitha Senthil Kumar, Asst Prof attended 2 day workshop on “Analog VLSI Design” at C-DAC, Bangalore on 26th and 27th Jan 2016.
- ◆ Mrs. Sahana Salagare, Asst Prof, attended 4 days FDP on “Latest Advances in Wireless Communication and Wireless Sensor Networks” at SMVIT, Bangalore from 27th Jan to 30th Jan 2016.
- ◆ Dr. P N Sudha, Prof & HOD, Dr. M.J shanthi Prasad, Dr. Surekha B, Profs, & Mrs. Supriya V G, Mr.Sangappa, Mr. K V Madhavamurthy, Assoc Profs, & Mr. Santhosh Kumar B R, Mr. Sudharshan B, Mrs. Vishalini D, Mrs. Raheshwari Devi, Mr.Sampath B, Mr.Saleem T, Mrs.Sangeetha. V, Mrs. Sunil Kumar G, Jayasudha B S K, Mr. Christo Jain, Mr. Praveen A, Mr. Vikram R L, Mrs. Prathima B A,

Mrs.Sahana Salagare, Mrs Lakshmi H R, Mrs. Priyadarshini J, Asst Profs, attended 1 day FDP on “Writing research proposals” at Dept of ECE, KSIT, Bangalore on 1st Feb 2016.

- ◆ Mrs. Jayasudha B S K, Asst Prof, attended 4 days FDP on “Digital Signal Processing” at IIT, Bangalore from 1st to 3rd March 2016.
- ◆ Mrs. Sahana Salagare, Asst Prof, attended 2 days FDP on “Industry 4.0 on Women Empowerment” at VTU Regional Office, Nagarabhavi, Bangalore on 8th & 9th March 2016.
- ◆ Mrs. Lakshmi H R, Asst Prof, attended 4 days FDP on “VLSI Design and Methodology” at APSCE, Bangalore from 10th & 11th March 2016.
- ◆ Dr. P N Sudha, HOD & Prof, Mrs Supriya V G, Mr.Sangappa, Assoc Prof, Mrs. Raheshwari Devi, Mr. Sampath B, Mr.Saleem T, Mrs. Sangeetha.V, Mrs.Prathima B A, Mrs.Sahana Salagare, Mrs. Lakshmi H R, Asst Profs, attended 3 days FDP on “FDP On “Research Funding and IPR and writing Research Proposal” at KSIT, Bangalore from 27th to 29th March 2016.
- ◆ Mrs Jayasudha B S K, Asst Prof, attended 1 week FDP on “Biosensors” at MSRIT, Bangalore from 6th to 11th June 2016.
- ◆ Mr. Santhosh Kumar B R, Mr Christo Jain, Mrs Jayasudha B S K, Mr Saleem S T & Mrs. Sahana Salagare, Asst Profs, attended 2 days FDP on “Synopsis writing towards Ph.D application” at KSSEM, Bangalore on 24th to 25th June 2016.
- ◆ Dr. P N Sudha, HOD & Prof, Dr. M.J shanthi Prasad, Prof and Mrs. Supriya V G, Assoc Prof, attended 4 days FDP on “Analog power Embedded System,wireless (IOT) Hands on Workshop” at Reva University, Bangalore from 11th to 14th June 2016.
- ◆ Mrs. Prathima B A and Mrs. Priyadarshini J, Asst Prof, attended 5 days FDP on “Trends in Industrial Measurements & Automation” at MSRIT, Bangalore from 27th June to 1st July 2016.

⇒ FDP/WORKSHOP ATTENDED BY SUPPORTING STAFF

- ◆ Mr. Sachin D J attended 3 Days workshop on “Advanced Communication and servicing of Electronics Equipments” at SJBIT, Bangalore from 20th to 22nd Jan 2016.
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⇒ FACULTY ACHIEVEMENTS

International Journal

- ◆ Dr P N Sudha, published a paper titled “Proposed Adaptive Channel coding technique for underwater Communication” in the International Journal of Innovative Research in Technology & Science, Vol. 4, Issue 1, 2016, pp.27-29, ISSN:2321-1156.
- ◆ Dr. P N Sudha, Prathima B A, Suresh P.M published a paper titled “Proposed Methodology for auto error detection and correction of closed loop manufacturing using embedded system” in the International Journal of Current Research, Vol.7, No. 9, 2016, pp.20519-20523, ISSN: 2231-2196 (Print) ISSN: 0975-5241 (Online)
- ◆ Dr. B Surekha, Ratish Rao N published a paper titled “Automatic Tablet Pack Quality Monitoring System for Small Scale Pharmaceutical Firms” in the International

Journal of Engineering Research & Science (IJOER), Vol.2, Issue-3, 2016, pp.73-79, ISSN: 2395-6992.

- ◆ **Supriya V G & Dr Ramachandra Manjunatha** published a paper titled **"A Novel irreversible transformation Scheme for biometric template protection"** in the International Organization of Scientific Research- Journal of Computer Engineering, Vol. 17, No. 5, 2016, PP 48-55, e-ISSN: 2278-0661,p-ISSN: 2278-8727.
- ◆ **Sangappa B, Vishnu Raju, Ganesh S, Yogesh & Divyakumar N** published a paper titled **"Production of Electricity though pressure based sensors"** in the International Journal of Computer Science & Engineering, Vol. 3 (9), Issue—9E, ISSN : 2347—2693, Sep 2015.
- ◆ **B Sudarshan & R Manjunath** published a paper titled **"Image Storage and Retrieval in Graded Memory "** in the International Journal of Advances in Engineering & Technology (IJAET), Vol. 8, No. 1, 2016, pp. 2123-2128, ISSN: 2231-1963.
- ◆ **Sahana Salagare, Karthik.S, Abhishek.P, Chandresh.P.M & Bharath. K.R** published a paper titled **"Anti-Piracy Screen using VLC"** in the International Journal of Engineering Trends and Technology (IJETT), Vol.35, No.3, 2016, pp.122-124, ISSN: 2231-5381.
- ◆ **Lakshmi H R, Swathi S & Shobhana S** published a paper titled **"Hardware implementation of watermarking-Importance and survey"** in the International Journal of Innovative Research in Science, Engineering and Technology, Vol.5, No.10, 2016, pp.82-87, ISSN (Online) : 2319-8753 ISSN (Print) : 2347-6710.

⇒ **INTERNATIONAL CONFERENCE**

- ◆ **Dr P N Sudha & Ram Murthy N** published a paper titled **"Smart navigation system for visually challenged people"** in the International conference on Mechanical, civil, electronics and communication and computer science engineering, Bangalore Technological Institute, Bangalore, 23rd April 2016.
- ◆ **Dr P N Sudha** published a paper on **" Proposed algorithm to minimize multipath fading and ISI for underwater communication"** in IEEE International conference on Electrical, electronics and optimization techniques DMI College of Engineering, Chennai 3rd to 5th March 2016.
- ◆ **Supriya V G & Dr Ramachandra Manjunatha** published a paper titled **"Design and Analysis of secured, revocable iris based biometrics authentication system"** in 6th IEEE International Advance Computing Conference (IACC-2016), SRKR Engineering College, Bhimavaram, 27th to 28th Feb 2016, ISBN: 978-1-4673-8285-4
- ◆ **Dr. B.Surekha, Kanchan Nazere** presented a paper titled **"Attendance Management System Using Hybrid Face"** in the IEEE international Conference on Advances in Signal Processing, Cummins College of Engineering, Pune, 9th to 11th June 2016 .
- ◆ **Dr. B.Surekha, Shreesha, Siri T Bhat,** presented a paper titled **"Sparsh Glove— A gesture based hardware control for a smart Elev chair"** in the International conference on Computer science and technology allies in research, City engineering college, Bangalore, 27th April 2016.
- ◆ **Sudharshan B, Varshini Megha, Varshitha PS, Sanjay N, Dhruva S** presented a paper titled **"Short range inter vehicle communication sharing information and vehicle expe-**

rience" in National Conference on Recent trends in Electronics and Communication-2016, Global Academy of Technology, Bangalore, 5th May 2016.

- ◆ **Santhosh Kumar B R, Fiazuddin. N, Suraksha Aithal, Swathi G, Swathi Prabha H V** presented a paper titled **"Autonomous Valet parking system (AVPS)"** in National Conference on Advanced communication, VLSI design & signal Processing -16, K.S.School of Engineering & Management, Bangalore, 28th April 2016.
- ◆ **D V Rajeshwari Devi, Vikram R L, Vinay, Vinod** presented a paper titled **"Face recognition based attendance monitoring system"** in National conference on Innovative technologies in electrical and electronics engineering, Sri Krishna Institute of Technology, Bangalore, 17th May 2016.
- ◆ **Sangappa S B & Jaya sudha BSK** presented a paper titled **"Challenges and Opportunities in Technical Education in the era of Sustainable Development"** in the 45th ISTE national convention and International Conference, Shree Hanuman Vyayam prasarak mandal's college of engg and Technology, Amravati, Maharastra on 9th to 11th Jan 2016.
- ◆ **Sampath Kumar S, Manoj Kumar. B, Omprakash. G, Chethan S K, Narayana S R** presented a paper titled **"Automatic seeds vending machine using smart card and GSM"** in National conference on Innovative technologies in electrical and electronics engineering, Sri Krishna Institute of Technology, Bangalore, 17th May 2016.
- ◆ **V.Sangeetha, Abhilash, Abhishek K. T, Jagadish P.N & Kiran R.Diggavi** presented a paper titled **"Advanced Pedestrian Monitoring System with Accident Avoidance and BAN based security System"** in National Conference on Recent trends in Electronics and Communication-2016, Global Academy of Technology, Bangalore, 5th May 2016.
- ◆ **Praveen A, Ashwini S, Madhavi** presented a paper titled **"FPGA Implementation of Efficient Multiplier using Reversible Logic based circuits"** in National conference on Innovative technologies in electrical and electronics engineering, Sri Krishna Institute of Technology, Bangalore, 17th May 2016.
- ◆ **S Christo Jain** presented a paper titled **"An innovative letter programming frame for irregularly connected IDSIN magnets "** in National conference on communication and computing SRM University, Ramapuram, 9th March 2016.
- ◆ **Prathima BA, Manu Hebbar, Basava Raju, Hemesh Naidu, Pavan Kumar.G** presented a paper titled **"Solar powered security enabled intelligent auto fare meter"** in National conference on convergence of science, Technology and Management, Dayananda sagar academy of technology and management, Bangalore, 5th May 2016.
- ◆ **Saleem S Tevaramani** presented a paper titled **"Vehicle emission detection and notification system based on internet of things"** in National Conference on Recent trends in Electronics and Communication-2016, Global Academy of Technology, Bangalore, 5th May 2016.
- ◆ **Pragathi. P, Ravilla Lokesh, A. Santhosh Kumar, Bharath P S, A.Ajaykumar Reddy** presented a paper titled **"Autonomous multi stage air purification system"** in National Conference on Advanced communication, VLSI design & signal Processing -16, K.S.School of Engineering & Management, Bangalore, 28th April 2016.

⇒ LIST OF FUNDED PROJECTS IN 2015-16

- ◆ Under the guidance of **Dr. Surekha B**, Prof, Dept of ECE, received grant for Rs 50,000/- for 6 months for project titled **“Automatic blister pack quality monitoring system for small and medium pharmaceutical firms”** from **IE (I) R &D Grant in aid scheme** and Rs 5,000/- for 6 months from **KSCST Grants SSP-39th series**
- ◆ Under the guidance of **Mrs Jayasudha B S K**, Asst Prof, Dept of ECE, received grant for Rs 5,000/- for 6 months for project titled **“Sensovision-an aid for visually impaired”** from **KSCST Grants SSP-39th series**.
- ◆ **Mr.Vikram R. Lakkavalli**, Asst. Prof, Dept of ECE, received grant of Rs 75,000/- for 6 months for project titled **“Text to speech synthesizer for Kannada”** from Dept. of Kannada and Culture .

⇒ KSIT IEEE STUDENT CHAPTER

- ◆ The IEEE Student Branch in collaboration with the Department of Electronics and Communication, K.S.I.T had organized an industrial visit to **Centre for Development of Advanced Computing (C-DAC)** on **19th February, 2016** for IEEE Student Members from Electronics & Communication



- ◆ One day semi technical event– **“Adroit”** was organized on **5th March, 2016** under IEEE student branch over 130 teams participating from all the engineering colleges across Bangalore.



⇒ STUDENT ACHIEVEMENTS

All the final year students of ECE dept along with faculties have presented more than 15 papers in International Journals /Conferences and more than 20 in National conference

⇒ FACULTY SPECIAL ACHIEVEMENTS

- ◆ **Dr.P.N.Sudha**: Delivered a Technical talk on **“Coding Techniques in Wireless Communication”** in a five days FDP program on **30th June 2016** held at JSSATE, Bangalore.
- ◆ **Dr.B.Surekha**, Professor, Dept of ECE received **“Young Woman Achiever” award (2016)** by **Venus International Foundation, Chennai**, on **5th March 2016** for her contribution in **Copyright Protection of Images**.
- ◆ **Dr.B.Surekha**, Professor, Dept. of ECE chaired signal processing session and was a Technical advisory Committee member for **6th IEEE International Advance Computing Conference (IACC-2016)**, organized at **SRKR Engineering College, Bhimavaram, Andhra Pradesh** on **Feb 27th -28th 2016**.
- ◆ **Sangappa S B**, Assoc Prof, Dept of ECE, was the Guest of Honor at JSSATE, Bangalore for FDP on **“Modern Technologies in Foundry Practice”** on **4th Jan 2016**
- ◆ **Sangappa S B**, Assoc Prof, Dept of ECE, was the Chief Guest at **AMCCE, Bangalore** for **Hands-on Workshop on “Raspberry Pi”** on **23rd Jan 2016**.

⇒ 100% RESULTS

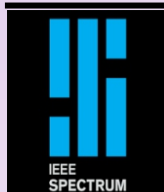
◆ Probability And Random Theory	Dr.B.Sureka
◆ Digital Signal Processing	D V Rajeshwari
◆ DSP Algorithms	D V Rajeshwari
◆ Digital Signal Processing	Jayasudha B S K
◆ Management & Entrepreneurship	Sudharshan B
◆ Management & Entrepreneurship	Vikram R Lakkavalli
◆ Image Processing	Saleem Tevarmani
◆ Computer Communication N/w	Praveen A
◆ Power Electronics	Vishalini Divakar
◆ Embedded System Designs	Prathima B A
◆ Antenna Theory And Designs	Sahana Salagare
◆ CMOS VLSI Design	Anitha S Kumar
◆ Advanced Digital Communication	Divya K

⇒ M.Tech STUDENT ACHIEVEMENTS

- ◆ **Mrs. Navya R** of second semester has secured a **3rd** rank at VTU level.
- ◆ **Ms. Bipani Sharma** of second semester has secured a **9th** rank at VTU level.
- ◆ **Ms. Swathi Y** of second semester has secured a **16th** rank at VTU level.

⇒ STUDENT INTERSHIPS

Ms.C.V,Roja of VI Sem has undergone an internship on **“3D PRINTER AND ITS ADVANCEMENT”**



MAGAZINES

IEEE Spectrum is the flagship magazine and website of the **IEEE**, the world's largest professional organization devoted to engineering and the applied sciences. Our charter is to keep over 400,000 members informed about major trends and developments in technology, engineering, and science.

ABOUT THE DEPARTMENT



It gives me great pleasure and honor to write about the efforts that were put in and the milestones that were achieved by the department of TCE to the college newsletter. I would like to begin with the records about achievements of the staff and students. I am immensely proud and happy to announce that the Department of Telecommunication has achieved 100% result from 8th semester students, who graduated in the year 2016. I appreciate the teachers and students for conducting various workshops, conferences, guest lectures and Industrial visits to widen the wisdom wall of the students and help them with various other positive aspects. I extend my warm regards to the editorial team for their efforts in bringing up the newsletter and giving great recognition to the staff and students.

Predicting from the level of passion and commitment shown by the faculties and students, to learn, explore and innovate, I believe that our budding engineers are ready to conquer the world.

I would like to convey my best wishes to all the readers and hope you all keep up the good spirits.

⇒ LATEST TECHNOLOGY

Body Password Transmitting

Sending a password or secret code over airborne radio waves like Wi-Fi or Bluetooth means anyone can eavesdrop, making those transmissions vulnerable to hackers who can attempt to break the encrypted code.

Now, University of Washington computer scientists and electrical engineers have devised a way to send secure passwords through the human body — using benign, low-frequency transmissions generated by fingerprint sensors and touchpads on consumer devices.

These “on-body” transmissions offer a more secure way to transmit authenticating information between devices that touch parts of your body — such as a smart door lock or wearable medical device — and a phone or device that confirms your identity by asking you to type in a password.



This new technique, which leverages the signals already generated by fingerprint sensors on smartphones and laptop touchpads to transmit data in new ways, is described in a paper presented at the “2016 Association for Computing Machinery’s International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2016)” on September 2016 in Germany.

The research team tested the technique on iPhone and other fingerprint sensors, as well as Lenovo laptop track pads and the Ad fruit capacitive touchpad. In tests with 10 different subjects, they were able to generate usable on-body transmissions on people of different heights, weights and body types. The system also worked when subjects were in motion — including while they walked and moved their arms.

⇒ EVENTS CONDUCTED

- ◆ A two day IETE Workshop on “Wireless Embedded System”, by Tenet Technetronics was organized on 26th and 27th February 2016.



- ◆ A Technical talk was given by Mr.Akhil.M, Alumni of KSIT Telecom Department on “Industrial trend and personality development skills”, on 4th April 2016.



- ◆ A Technical Talk on “Multimedia: Fundamentals, Algorithms and Applications”, was given by Dr.H.S.Prasantha, NITTE Meenakshi Institute of Technology, on 27th April 2016.



- ◆ Project exhibition was held for 8th semester students to show case their projects on 14th May 2016. Students were given a platform to exhibit their talent.



- ◆ A paper presentation contest was held for 8th semester students on 14th May 2016.
- ◆ A two day IETE workshop on ARM CORTEX by Tenet Technetronics was organized on 27th and 28th of August 2016.



⇒ EVENTS ATTENDED

- ◆ Dr. Manju V.C, Associate Professor & Mrs. Rekha.N, Assistant Professor, attended 5 day Faculty Development Programme on “GNU Radio and software defined radio”, organized by Department of Electronics and Communication Engineering, JSS Academy of Technical Education from 27th June to 1st July 2016.
- ◆ Ms. Srividya.R, Assistant Professor, & Mrs. Devika.B, Assistant Professor, attended FDP on “NS-3 & its advanced usage”, at RNSIT from 27th June 2016 to 1st July 2016.
- ◆ Mrs.Chanda.V.Reddy, Head of the Department & Ms. Srividya.R, Assistant Professor, attended FDP on “Arm Cortex M3”, at BNMIT from 8th to 14th January 2016.
- ◆ Mr. Dileep.J, Assistant Professor, attended 5 day workshop on “Faculty Orientation”, at VTU Regional Center, Mysore from 18th Jan to 22nd Jan, 2016.
- ◆ Mrs. Yeshwini.R, Assistant Professor & Mrs. Supriya.V, Assistant Professor, attended a workshop on “Design & Development of Embedded system using MSP430”, at Dayananda Sagar from 18th to 22nd Jan 2016.
- ◆ Mrs. Chanda.V.Reddy, Head of the Department Participated in FDP on “Analog, Power, Embedded, Systems and Wireless (IOT) Hands on Workshop”, conducted jointly by Texas Instruments, Bangalore and SETPS knowledge Services Pvt.Ltd., Coimbatore held during 11th to 14th July

2016 at REVA University, Bangalore.

- ◆ Mrs.Chanda.V.Reddy, Head of the Department, Mrs. Yeshwini.R, Mrs. Supriya.V, Assistant Professor, Assistant Professor & Mrs. Suma Santhosh, Assistant Professor, Participated in FDP on “APP Design proto typing workshop”, conducted by Creative InfoTech at KSIT on 19th March 2016.
- ◆ Mrs. Supriya.V, Assistant Professor, Mrs. Suma Santhosh, Assistant Professor & Mrs. Yeshwini.R, Assistant Professor, attended a FDP on “Writing research proposals”, organized by KSIT on 1st February 2016.
- ◆ Mr. Senthil Babu.K, Assistant Professor, participated in the 1st state level Engineering college Teaching Staff Badminton (MEN) Singles and doubles Tournament-2016 held from 27th & 28th February 2016 at SJB Institute of Technology, Bengaluru.
- ◆ All Faculties of the department attended 3 days Faculty Development Programme on “R & D funding opportunities and Intellectual Properties Rights”, organized by IPR/IEI, KSIT from 28th to 30th March 2016.

⇒ PAPER PUBLISHED (FACULTY)

- ◆ Mrs. Chanda.V.Reddy, Head of the Department, attended and Presented a paper on “Leveraging Communication Performance for OFDMA Using Novel Bit Loading and Allocation of Power” in IEEE WISPNET international conference from 23rd to 25th March 2016.
- ◆ Mr. Senthil Babu.K, Assistant Professor, published a paper on "Jeopardy Circumventing Wheel Chair for Self Assistance "in the International Journal Advanced Research in Electronics and Communication Engineering, Volume 5, Issue 6, May 2016. ISSN:2278-909X.
- ◆ Mrs. Devika.B, Assistant Professor, presented a paper on “Execution of PA Fish Eye State Protocol to Amend Power” at International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 with IEEE catalog 978-1-4673-9939-5/16/\$31.00 ©2016 IEEE at DMI College of Engineering, Chennai on 5th March 2016.
- ◆ Mrs. Devika.B, Assistant Professor, presented a paper on “Energy Management schemes in adhoc wireless networks” and “Recent Trends in Computer Science and Information Technology” at National conference on SJCIT Chikkabsallapur on 21st April 2016.

⇒ ACHIEVEMENTS (FACULTY)

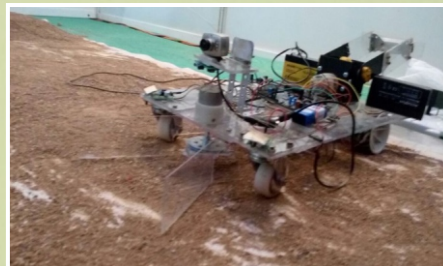
- ◆ Mr. Senthil Babu.K, Assistant Professor, participated in the State Level Project Exhibition (Srishti-2016) Organized by ABVP, Karnataka from 6th to 8th May 2016 a student project entitled "Jeopardy Circumventing Wheel Chair for Self Assistance" was awarded consolation Prize in its category.
- ◆ Mr. Senthil Babu.K, Assistant Professor, participated in the State Level Project Exhibition (Srishti-2016) Organized by ABVP, Karnataka from 6th to 8th May 2016 a student project entitled "Bore well Rescue Robot" was awarded consolation prize in its category.

- ◆ Mr. Senthil Babu.K, Assistant Professor, achieved 2nd runners-up in the 1st State level Engineering college Teaching Staff Badminton (MEN) Singles Tournament-2016 held on 27th & 28th February 2016 at SJB Institute of Technology, Bengaluru.



- advanced research in Electronics and Communication Engineering”, Volume -5, Issue -5, ISSN: 2278-909X.
- Participated in Poster Presentation in the National conference “ IDEEEAS” at SIT Tumkur on 15th April 2016.

- ◆ BOREWELL RESCUE OPERATION USING ROBOTIC ARM:
By: Jayashree.D.L., Nagashree.H.N, Seema.S.B, Varsha.K.N.
- Participated & won consolation prize at SRISHTI-2016 State level Students Project exhibition Organized by ABVP at CMRIT from 6th to 8th May 2016.



⇒ **100% RESULT**

- ◆ Optical Fiber Communication Prof. Senthil Babu.K
- ◆ Image Processing Prof. Rekha.N
- ◆ Embedded System Design Prof. Srividya.R

⇒ **ACHEVEMENTS (STUDENTS)**

- ◆ JEOPARDY CIRCUMVENTING WHEEL CHAIR FOR SELF-ASSISTANCE:
By: Sushmitha, Nagadhi Sudhashree, Seema K S, Sindhu B N.
- Published a Paper in “The international journal of advanced research in Electronics and Communication Engineering”, Volume -5, Issue -5, ISSN: 2278-909X.
- Participated & won consolation prize at SRISHTI-2016 State level Students Project exhibition Organized by ABVP at CMRIT from 6th to 8th May 2016.



- ◆ A PROTOTYPE FOR GEOPONICS:
By: Nandishwar.C, Nishith.H.M, Pavankumar.R.G, Rakshith.V.
- Participated in SRISHTI-2016 State level Students Project exhibition Organized by ABVP at CMRIT from 6th to 8th May 2016.
- Published a Paper in “:The international journal of



⇒ **FINAL YEAR PROJECTS**

- ◆ REAL TIME VEHICLE MONITORING AND TRACKING SYSTEM
– Annabathina Srikanth, Basana Gouda, Fathima Firdous, Laxmeesh Mahabaleshwar Bhat
- ◆ ATM SECURITY ENHANCEMENT SYSTEM USING FACE RECOGNITION AND OTP.
– Akshitha Raj.B.N, Megha.B
- ◆ PATH PLANNING FOR ROBOT NAVIGATION USING NEURAL NETWORKS.
– Sidda Basava, Harisha.B.S , Praveen Kumar Sutar, Yeshwanth.R
- ◆ NAVIGATION OF SUBMARINE CAATMARINE OVER THE BIRM USING WIRELESS TECHNOLOGY.
– Kshma.P.M, Megha Shetty, Nikhil.U.Rao, Rajath.N.M
- ◆ DESIGN AND IMPLEMENTATION OF IRRITANT MONITORING SYSTEM.
– Ajay Prasad, Anusha.H.R, Rajashree, Syeda Asiya Asra
- ◆ JUST IN TIME CODE OFFLOADING FOR WEARABLE COMPUTING.
– Bhargavi.A.Hegde, Manoj Kumar.H.R, Pruthiviraj.R, Thejas.S.B
- ◆ A PROTOTYPE FOR GEOPONICS
– Nandishwar.C, Nishith.H.M, Pavankumar.R.G, Rakshith.V.
- ◆ JEOPARDY CIRCUMVENT WHEELCHAIR FOR SELF-ASSISTANCE.
– Nagadhi Sudhashree, Seema.K.S, Sindhu.B.N
- ◆ SMART DIVIDERS
– Bhuvana.G, Nayana.B.S, Rohith Shenoy.V, Shabarish.P
- ◆ BOREWELL RESCUE OPERATION USING ROBOTIC ARM
– Jayashree.D.L, Nagashree.H.N, Seema.S.B, Varsha.K.N
- ◆ WASTE SEGREGATION USING PROGRAMMABLE LOGIC CONTROLLER.
– Arpitha.K.S, Rashmitha Prabhu.R, Rekha.L, Sahana.H.B
- ◆ DESIGN AND DEVELOPMENT OF AIR GESTURE BASED WIRELESS OPERATION OF A CAR.
– Janani.V.Kulkarni, Neha Malagikar, Rama Lakshmi.G, Ramya.S

ABOUT THE DEPARTMENT



Basic science is an idea, more so, a culmination of ideas that constitute everything in our daily life. As budding Engineers strive to celebrate these said ideas and carry them all through their lives, Mathematics, Physics and Chemistry will forever remain the 3 cardinal factors responsible for the Earth's existence and Humanities will always be an explanation to the difficulties faced by them in its continuous journey through the eras. Technological excellence from these core subjects will enable the students to provide Mechanical, Structural, Electrical and Communicative solutions that take their Humanitarian principles into consideration. The faculty in this department understand and support their students in all their endeavors, they look out and make sure that they receive excellent care and immense amount of motivation. The Labs and Research departments are fully equipped and serve as a magnificent platform that facilitates the students in their exploration of engineering field. Over all, this department is the apt founda-

⇒ LATEST TECHNOLOGY

Augmented reality (AR) is a live direct or indirect view of a physical, real-world environment whose elements are augmented by computer-generated sensory input. The technology functions by enhancing one's current perception of reality. By contrast, virtual reality replaces the real world with a simulated one. Augmentation is conventionally in real time with the help of advanced AR technology, the information about the surrounding real world of the user becomes interactive and digitally manipulable. A head-mounted display (HMD) is a display device paired to the forehead such as a harness or helmet. HMDs place images of both the physical world and virtual objects over the user's field of view.



⇒ APPLICATIONS:

Augmented reality has many applications. First used for military, industrial, and medical applications, it has also been applied to commercial and entertainment areas.

- ◆ AR can be used to aid archaeological research, by augmenting archaeological features onto the modern landscape, enabling archaeologists to formulate conclusions about site placement and configuration.
- ◆ AR can aid in visualizing building projects. Computer-generated images of a structure can be superimposed into a real life local view of a property before the physical building is constructed there.
- ◆ AR technology has helped disabled individuals create visual art by using eye tracking to translate a user's eye movements into drawings on a screen
- ◆ AR can aid students in understanding chemistry by allowing them to visualize structure of a molecule and interact with a virtual model of it. AR allows video game players to experience digital game play in a real world environment.
- ◆ AR can provide the surgeon with information, which is otherwise hidden, such as showing the heartbeat rate, the blood pressure, the state of the patient's organ, etc.

- ◆ In combat, AR can serve as a networked communication system that renders useful battlefield data onto a soldier's goggles in real time. From the soldier's viewpoint, people and various objects can be marked with special indicators to warn of potential dangers.
- ◆ AR can augment the effectiveness of navigation devices. Information can be displayed on an automobile's windshield indicating destination directions and meter, weather, terrain, road conditions and traffic information.

Abhishek M

⇒ EVENTS ATTENDED-Faculties

- ◆ **Dr. K R Jayakumar, Ms. P Jalaja and Mr. B S Venkataramana** attended a National conference and presented a paper on "**Scientific, Computational Research Trends in Engineering (NCSCI- 2016)**" on January 30th 2016 at **GSSS Institute of Engineering & Technology for Women**.
- ◆ **Dr.K R Jayakumar, Mrs. P Jalaja and Mr. B S Venkataramana** attended National conference and presented a paper on "**Advances in Mechanical engineering and Applied sciences (AMEAS-2016)**" on February 19th and 20th 2016 at **DSCE, Bengaluru**
- ◆ **Dr.K R Jayakumar, Mrs. P Jalaja and Mr. B S Venkataramana** attended National Conference and presented a paper on "**IDEAS- 2016, Advances in Mechanical Engineering Science**" at **UKF College of Engineering and Technology** on March 31st 2016.
- ◆ **Dr.K R Jayakumar, Mrs. P Jalaja and Mr. B S Venkataramana** attended National conference and presented a paper on "**Recent Advances in Applied sciences**" on April 25th 2016 at **AMC College of Engineering**.
- ◆ **Dr.K R Jayakumar, Mrs. P Jalaja and Mr. B S Venkataramana** attended a National Conference and presented a paper on "**Convergence of science, technology and management (NCCSTM- 2016)**" on May 5th 2016 at **DSATM, Bengaluru**.
- ◆ **Mr. N Sunil Kumar** attended a National Conference and presented a paper on "**Recent Advances in Applied Science (RAAS- 2016)**" on April 25th 2016 at **AMC Engineering college**.

- ◆ **Mr. Praveen C Jois** attended a National Conference and presented a paper on **"Recent Advances in Applied Science (RAAS- 2016)"** on April 25th 2016 at **AMC Engineering college**.
- ◆ **Mr. Praveen C Jois** attended a National Conference and presented a paper on **"Convergence of Science, Technology and Management"** on May 5th 2016 at **DSATM, Bengaluru**
- ◆ **Mr. S R Kiran Kumar** attended FDP on **"Synthesis and Characterization of highly Efficient Multipurpose Graphene Oxide-Copper"** on June 2016 at **K.S.I.T, Bengaluru**.
- ◆ **Ms. Shylaja K R** attended FDP on **"R&D funding opportunities & intellectual property rights"** from 28th to 30th March at **K.S.I.T, Bengaluru**.
- ◆ **Ms. Shylaja K R** presented a paper on **"Synthesis and characterization of nanoparticles"** at a National conference - **"Recent advances in Applied Sciences (RAAS) 2016"** on 24th April 2016.
- ◆ **Ms. Shylaja K R** attended 5 days FDP on **"Animation and Corel Draw"** from 11th to 15th July 2016 at **K.S.S.E.M Bengaluru**.
- ◆ **Mr. Anantha M S** attended FDP on **"Writing Research Proposals"** on February 1st, 2016 at **K.S.I.T, Bengaluru**.
- ◆ **Mr. Anantha M S** attended FDP on **"R & D Funding Opportunities and Intellectual Property Rights"** from March 28th – 30th, 2016 at **K.S.S.E.M, Bangalore**
- ◆ **Mr. Anantha M S** attended National Conference and presented a paper on **"Recent Advances in Applied Science (RAAS- 2016)"** on April 25th 2016 at **AMC Engineering college**.
- ◆ **Mr. Anantha M S** attended National conference on **"Convergence of science, technology & Management (NCCCSTM-2016)"** on May 5th, 2016 at **DSATM, Bengaluru**.
- ◆ **Mr. Anantha M S** attended National conference and presented a paper on **"IDEAS – 2016"** from June 22nd – 24th 2016 at **Kerala**.
- ◆ **Ms. Anuradha M V** attended FDP on **"R&D funding opportunities and Intellectual Property Rights"** from March 28th-30th 2016 at **K.S.S.E.M, Bengaluru**.
- ◆ **Dr. Ranjana Jain**, attended **"Outcome Based Education Workshop" (NBA)** organized by **BMSCE Bangalore** on 21st July 2015
- ◆ **Dr. Ranjana Jain**, attended One Week Faculty Development Training Program on **"Recent Advances in Chemistry of Materials for Engineering Applications"** (RACMEA-2016) on 11th July 2016 to 15th July 2016 at **BMS College of Engineering Bangalore**.
- ◆ **Dr. Ranjana Jain**, attended Faculty Development Training Program on **"R and D Funding Opportunities and Intellectual Property Rights"** organized by **IPR/ IEI** on 28th March 2016 to 30th March 2016 at **KSIT Bangalore**.

ACHIEVEMENTS

Awards

Dr. K R Jayakumar was awarded a **"Certificate of Excellence in reviewing"** in the International Journal for Innovative Research in Science and Technology.

Papers published

Faculty

- ◆ **Dr. K R Jayakumar and Dr. A T Eswara** published a paper on **"The Heat Generation Effect on MHD Free Convection Boundary Layer Flow over a Porous Plate with Temperature Dependent Viscosity and Suction"** in International Journal of Applied mathematics and mechanics (Volume 5, Number 1 -2016pp13-20).
- ◆ **Dr. K R Jayakumar and Dr. A T Eswara** published a paper on **"The Effect of temperature dependent viscosity on unsteady natural convection boundary layer flow over a plate with suction and blowing"** in International Engineering research Journal (IERJ) (Volume 2, Issue 3 – 2016pp1022-1027).
- ◆ **Mr. Abhinav, Mr. N.Krishnamurthy, Dr. Ranjana Jain**, published a paper on **"Investigations on (ZrO₂.5CaO+Al₂O₃) applied on Al6061 and Gray cast Iron (GCI) substrates"**, in International Journal of Scientific & Engineering Research, Volume 7, Issue 5, May-2016
- ◆ **Mr. Abhinav, Mr. N. Krishnamurthy, Dr. Ranjana Jain**, published a To study the effect of Tazheranite phase on hardness, applied Calcia Stabilized Zirconia on Al6061 and Gray Cast Iron, International Advanced Research Journal in Science, Engineering and Technology, Volume 3, Issue 5 May 2016.
- ◆ **Mr. S R Kiran Kumar, M S Anantha, H B Muralidhara** published a paper titled **"Synthesis and characterization of ZnO-CuO nano-composites and its application in modified carbon paste electrode for electrochemical detection of Dopamine, Folic acid and Paracetamol"**. Journal of Chemical, Biological and Physical Sciences Section-A, (Chemical Sciences), J. Chem. Bio. Phy. Sci. Sec. A, May 2016 – July 2016; Vol.6, No.3; 821-833.
- ◆ **Mr. S R Kiran Kumar, M S Anantha** published a paper titled **"Synthesis and Characterization of Hierarchical Nickel Oxide (NiO) Nanoparticles and its application in Modified Carbon Paste Electrode for Electrochemical Detection of Biomolecules,"** Journal of Chemical and Pharmaceutical Research, 2016, 8(8): 633-639.
- ◆ **Mr. S R Kiran Kumar** published a paper on **"Synthesis and characterization of ZnO-CuO Nano-composite and its application in modified carbon paste electrode for electrochemical detection of dopamine, folic acid and Paracetamol,"** in Journal of chemical, biological and physical sciences Section-A, (Chemical Sciences), J. Chem. Bio. Phy. Sci. Sec. A, May 2016 – July 2016; Vol.6, No.3; 821-833.
- ◆ **Mr. S R Kiran Kumar** **"Synthesis & characterization of Voltammetric determination of Dopamine, Ascorbic Acid, Potassium Ferricyanide and antimicrobial activity of Cooper oxide nanoparticles"** Oral presentation in the National conference on convergence of science, technology & Management (NCCCSTM-2016)" was awarded as the **Best Paper**. DSGI, Bengaluru.

⇒ FACULTIES REGISTERED FOR PhD 2016

- ◆ **Mrs. Shilpa Anil** Department of Physics

Industrial Visit

BASIC SCIENCE AND HUMANITY

Bright and early, on the morning of 5th March 2016, the eager 1st year students of KSIT accompanied by the faculty of the Basic Science and Humanities department, set course for the Indian Institute of Science. Participating in events and listening to various companies offer their engineering solutions, the students gained a large amount of practical knowledge that will help them in the years to come.



MECHANICAL

There has always been a direct proportionality between improving technology and the technical exhibitions. As a proof to this statement, our Bengaluru recently hosted 'Indian Machinery & Tools Exhibition (IMTEX)' at BIEC. IMTEX presented itself as Bengaluru's biggest technical expo. It is held once in every 2 years and this was the 18th time. **IMTEX** is a flagship event for Indian metal cutting industries. It is south & south-east Asia's apex exhibition showcasing the very latest trends as well as technological refinements from India and other renowned global players like Germany, Spain, Japan, Korea etc. The mega event was a one step forum which gave a wide range of opportunities for various classes of people who are connected with metal cutting, machine tool users, manufacturing experts, technocrats, researchers, policy makers, tech graduates and also the budding engineers. **'MAKE IN INDIA'** was the key attraction this time which exhibited the machineries and tools made in India.



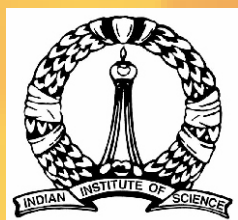
TELECOMMUNICATION

The department of Telecommunication Engineering, K.S.I.T organized a one day of industrial visit to **Karnataka Power Transmission Corporation Limited**, also known as KPTCL is the sole electricity transmission and distribution company in the State of Karnataka. Its origin was in Karnataka Electricity Board. This electricity transmission and distribution entity was corporatized to provide efficient and reliable electric power supply to the people of Karnataka state. The Zones and Circles that come under KPTCL are also known as ESCOMS.



ELECTRONICS & COMMUNICATION

The department of Electronics and communication Engineering, K.S.I.T organized one day of industrial visit to **ELECRAMA- 2016** at BIEC. The visit was organized with prior permission and guidance of our **Principal T.V.GOVUND RAJU** and HOD of E.C.E department **PROF.DR.P.N SUDHA** along with the staff members ,students of B.E ,E.C.E especially **PROF. SUDHARSHAN.B** have taken hard efforts to make this visit grand success. **ELECRAMA- 2016** was held from 13 to 17 February 2016, BIEC, Bengaluru, India. **ELECRAMA –“THE World Electricity Forum.**



Training & Placement



Each issue of our college NEWS LETTER is a milestone that marks our growth, unfolds our imaginations, and gives lives to our thoughts and inspirations. It unleashes a wide spectrum of creative skills ranging from writing to editing and even in designing the NEWS LETTER. I congratulate the entire editorial team for their hard work and dedication in making this dream come true.

KSIT Bangalore is one of the prestigious academic institutions in the country to provide a complete spectrum of services required by those students who graduate from academic institute. Other than helping students pursue higher education, KSIT also helps to shape the student's professional development by imparting skills that lessen the gap between academic and professional skills under the umbrella "**Campus Recruitment Training – Like skill @KSIT.**"

⇒ PERSONALITY DEVELOPMENT TRAINING

◆ **KSIT Life Skills Institute: A initiative to develop Lifeskills for our students.**

KSIT has formed a forum "Life Skills @ KSIT" to enhance employability skills and students undergo training in Quantitative Aptitude, Logical Reasoning, Technical, Soft Skills & Verbal ability skills. Students of 7th sem have undergone the training program from 1st July 2016 to 15th July 2016.

Highlights of the program were:-

1. Diagnostic Test.
2. Enhancing soft skills.
3. Cracking technical code snippets.
4. Conceptual building in Analytical/ logical reasoning.
5. Learning management system for profiling students.
6. Online assessment data bank – of 200000 unique questions.

⇒ VARIOUS DRIVES CONDUCTED AT KSIT BANGALORE IN THE MONTH OF JAN 2016 TO JULY 2016

- ◆ **Tejashwini Nayak from Computer Science placed in Amazon** with a package of **10 LPA**. Highest so far in KSIT for development profile.
- ◆ **Amazon** Conducted On Campus Recruitment Drive on 8th March 2016 at KSIT for 2016 Batch students and **5 students got placed** for Infrastructure Management Services Profile.
- ◆ **HCL Talent Care** conducted On Campus Recruitment Drive on 19th February 2016 at KSIT for 2016 batch students. **9 students bag the offer.**
- ◆ **SAP Labs** conducted On Campus Recruitment Drive on 04th January 2016 at KSIT for 2016 batch students. Many students bag the offer.
- ◆ **Phenoxi Sea Services** conducted On Campus Recruitment Drive on 23rd February 2016 at KSIT for 2016 batch students. **5 students bag the offer.**

- ◆ **Tester Solution Pvt Ltd** Conducted On Campus Recruitment Drives on 24th February 2016 for 2016 batch students. Many of our students got placed in the same.
- ◆ **TECH MAHINDRA** conducted Pool Campus Recruitment Drive on 10th & 11th March 2016 at KSIT for 2015 batch students. Students from various part of India participated in the same.
- ◆ **MPhasis** Conducted On Campus Recruitment Drives on 22nd & 23rd March 2016 for 2016 batch students. **03 students bag the offer.**
- ◆ **Joules to Watts** Conducted On Campus Recruitment Drive on 20th April 2016
- ◆ **INFOSYS** conducted **I GearUp Workshop** for Infosys recruited Students from our institution on 10th and 11th May 2016.

Objectives of I GearUp Workshop:-

- Create awareness on On boarding and Foundation Program Training for fresh recruits at Infosys Mysore.
- Convey the exciting, challenging and enjoyable aspects of Life at Mysore.
- Share insights on Campus Connect (CC) Foundation Program (FP) 4.0 Training at the institution and how FP4.0 can help them do better in Mysore Training.
- Deep Dive into RDBMS of CC FP4.0 along with hands-on assignments.

⇒ ACHIEVER



TEJASWINI NAYAK
Department of Computer Science

Heartiest Congratulations for getting placed in Amazon India with a package of 10LPA.

Some Prominent Drives @ KSIT

SAP LABS IN CAMPUS RECRUITMENT DRIVE HELD ON 04/01/2016 FOR 2016 BATCH STUDENTS



I GEARUP WORKSHOP FOR INFOSYS RECRUITED STUDENTS HELD ON FOR 2016 10/05/2016 & 11/05/2016 FOR 2016 BATCH.



TECH MAHINDRA CONDUCTED POOL CAMPUS RECRUITMENT DRIVE ON 10/03/2016 & 11/03/2016 FOR 2015 BATCH STUDENTS



MPHASIS POOL CAMPUS RECRUITMENT DRIVE HELD ON 22/03/2016 TO 23/03/2016 FOR 2016 BATCH STUDENTS



JOULES TO WATTS ON CAMPUS RECRUITMENT DRIVE HELD ON 20/04/2016 FOR 2016 BATCH STUDENTS



AMAZON ON CAMPUS RECRUITMENT DRIVE HELD ON 08/03/2016 FOR 2016 BATCH STUDENTS





Congratulations to Toppers

MECHANICAL

COMPUTER SCIENCE

ELECTRONICS & COMMUNICATION

TELECOMMUNICATION



LIKHITH M R
1KS15ME039
9.08(CGPA)



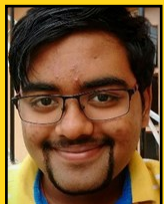
NARASIMHA PRAS-
ANNA H N
1KS15CS062
9.17(CGPA)



CHAITHRA B
1KS15EC020
9(CGPA)



SUSHMA KARANTH N
1KS15TE045
9.33(CGPA)



ADARSH J
1KS15ME003
9.00(CGPA)



VAISHNAVI K N
1KS15CS117
9.00 (CGPA)



PUNITH N
1KS15EC072
9(CGPA)



CHAITRA B V
1KS15TE011
8.5(CGPA)



NAVEEN
KASHYAP B N
1KS14ME056
80.11%



CHAITRA R
1KS14CS029
86.78%



SOWMYA B K
1KS14EC102
85.11%



DEEPTHI H
1KS14TE012
77.78%



ANKUSH A TELKAR
1KS14ME013
79.88%



MANASA NARYAN
1KS14CS051
84.67%



BOGGARAPU
SRUTHI
1KS14EC025
84.56%



RANJITHA H N
1KS14TE040
76.78%



ARJUN B
1KS14ME402
77%



SHRI RAKSHA N
1KS13C106
83.6%



MANASA.M
1KS13EC044
82.00%



NAYANA M
1KS13TE028
75.22%



SHASHIKUMAR B P
1KS13ME102
76.22%



M ARCHANA
1KS13CS047
83.33%



VANDANASHREE S
1KS13EC110
78.67%



KRUPANAND
1KS13TE020
70.67%



TEJASWINI
NAGESH
1KS12ME108
84.80%



POORNIMABHA-
RADVAJ
1KS12CS068
76.89%



S.NAVYA SRI
1KS12EC072
80.33%



NAYANA B S
1KS12TE021
78.44%



VINAYAK SHARMA
1KS12ME116
84.67%



POOJITHA
HEBBUR
1KS12CS067
75.22%



SUSHMA S N
1KS12EC090
78.78%



SAHANA H B
1KS12TE38
78.22%



SPORTS



SPORTS DAY

"Gold medals aren't really made of gold. They're made of sweat, determination and a hard-to-find alloy called guts."

-Dan Gable

It was a day that the students of KSIT and KSSEM were going to make wonderful memories. All the way from their hectic schedule of college they had come to a place to play, cheer, enjoy and of course to win. Yes it was the KSGI annual sports meet.

The sports day was held on 20th February 2016 at UCPE stadium of Bangalore University, Bangalore. The event started by praying the almighty seeking his blessings in the presence of our college president Mr. SUBRAMANYA NAIDU and the treasurer Mr. SRINIVAS MURTHY. Our college played host of some glorious sports personalities SRI.SHIVPRAKASH, a national hockey player who was also the P.E.D for the wall Sri. RAHUL DRAVID was the chief guest and Sri. MANJUNATH, BESCOM cricket player was the guest of honor.

The ground was filled with a large gathering of students. All of them with inspiring colors of blue and green jerseys with a message of "save water" and "go green".

The students chipped in enthusiastically and took part in various events. All the events took place in a well organized manner and the winners were honored. Later it was the time for the faculties of KSIT and KSSEM to have fun by competing with their fellow colleagues which reminded them of their childhood.

The day had come to an end. Though the students were tired they had a satisfaction of partaking in the sports event and all that was evident on their faces was waiting for the next sports day to come.

CONGRATULATIONS



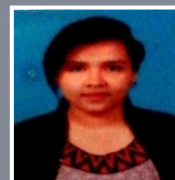
Our College secured

- **Winners** in the Sai Leo Trophy (Women) Tournament 2016
- **Winners** in the VTU Bengaluru Zone Kabaddi (Women) Tournament held on 30 April 2016 at Dr AIT Bangalore
- **Runners UP** in the VTU Inter Zone Kabaddi (Women) Tournament 2016 held on 2nd & 3rd may 2016 at JNNCE Shivamogga.
- **Runners UP** in the VTU Inter Zone Kabaddi (Women) Tournament 2016 held on 2nd & 3rd may 2016 at JNNCE Shivamogga.



Bhavya P of 6thSem ECE represented, VTU in All India inter-university Power Lifting Competition 2016 held at Acharya Nagarjuna University, Guntur(AP) from 11th to 14th January 2016.

Lavanya A of 6thSem ECE represented, VTU Kabaddi team in South zone inter-university Kabaddi tournament 2015-16 held at Tamil Nadu physical education sports university from 6th to 9th February 2016.



Aakash P S of 5thsem ECE participated in a National Level Karate-Kung Fu Championship 2016 and stood at 3rd place held at Dr. B R Ambedkar Indoor Stadium, Karimnagar, Telangana on 22nd,23rd and 24th of January 2016.



Senthil Babu, Asst Professor TCE Secured 2nd Runners up in 1st State Level Engineering College Teaching Staff Badminton Tournament 2016 SJBIT Bengaluru on 27th &28th February 2016.

Apoorva T M of 6th Sem CSE represented, VTU Netball team in All India inter-university netball tournament 2015-16 held at Punjab university from 14th March 2016 to 19th march 2016





SPORTS



SPORTS DAY 2K16



Library and Information Center



In this fast changing scenario the most important aspect is information, which is given through Library. It plays a major role in the development of professional education. Library at K.S.I.T is extending all the facilities to its users for the academic excellence in various disciplines. The objective of our Library is to provide highly collective resources of books and materials to satisfy the needs of the users with the thirst of knowledge. It has Institutional membership for DELNET reaching out for resources beyond the campus.

COLLECTIONS

BOOKS	
Under-Graduation	
Volumes	33731
Titles	3894
Post-Graduation	
Volumes	582
Titles	171



E-RESOURCE FOR THE YEAR 2016

Publisher	No. of e-Resources
IEL online (IEEE)	273 Journals 6514 conf. proc. 3043 standards
Springer e-Journals	680 Journals 12125 e-Books
Elsevier Science Direct	288 Journals
Taylor and Francis	535 Journals
Pro-quest	3900 Journals 7800 Abstracts
K-Nimbus: Digital Library Platform	12000 +

Farewell day 2016

Just as treasures are uncovered from the earth, so does virtue appear from good deeds, and wisdom appears from pure and peaceful mind. To walk safely through the maze of college life, a student needs the light of wisdom and the guidance of virtue.

As the academic year at last draws to a close and the Class of 2016 leaves campus for good, advice is everywhere— in commencement speeches, parent chats, and student newspaper columns. Along with adults who supposedly know better, current upperclassmen and graduating seniors are offering endless words of wisdom to their student peers on making the most of the college experience and the post-grad transition. A batch of young engineering buds were ready to take of the amazing journey outside in the real world and set new milestones leaving a successful career trail behind making their parents proud. It was a moment of joy and pride that shined in the eyes of parents and all their faculties who nurtured the best out of the lads.



“When we were five, they asked us what we wanted to be when we grew up. Our things were answers like astronaut, president.... When we were ten, they asked us again. We answered - rock star, cowboy, gold medalist... But now that we've grown up, they want a more serious answer. Well, how about this... Who the knows? This isn't a time to make hard and fast decisions. This is the time to make mistakes. Take the wrong train and get stuck somewhere chill. Fall in love - a lot. Major in philosophy because there's no way to make a career out of that. Change your mind. Then change it again because nothing is permanent. So make as many mistakes as you can. That way, someday, when they ask again what we want to be... We won't have to guess. We'll know.” Quoted a student.

Farewell day 2016







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