



KAMMAVARI SANGHAM (R) - 1952

K.S. GROUP OF INSTITUTIONS

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KSIT **Newsletter**

Volume 01, August 2014



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KSIT
K. J. SOMAIYA INSTITUTE OF TECHNOLOGY



KSIT newsletter

June, 2014 (Jan-June)

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KSIT, Raghuvanahalli, Kanakapura Rd, Bangalore 560062



Sri. Subramanyam Naidu
President



Sri. S R Naidu
Hon-Secretary



Sri. M Srinivasa Murthy
Treasurer



Dr. T.V. Govindaraju, Principal

I am indeed very happy to put my heart full congratulations to the editorial board, staff and students of KSIT, who put their effort in bringing out premier newsletter of the college during this academic year 2013-14. I am very sure, the newsletter will definitely convey the message to all the readers, the activities being organized to exhibit the talents and achievements of the staff and students. Globalization is the order of the day, which needs competitiveness, creativeness and hard work to enter in to the international market. One should develop attitude towards exploration and experimentation as important. One should develop attitude towards exploration and experimentation as important parameters for their presentation. Training of human resources is one of the principal factors in achieving sustainable economic and social development. This kind of form gives opportunities to the young minds to accelerate their thinking to exhibit their talents.

Excellence is not a skill, it is an attitude. Try not to become a man of success, but rather try to become a man of VALUE.

Wish you all a very best in your endeavors.

Training and Placement Department:



Dr. Ranjana Jain, TPO

Headed by Dr. Ranjana Jain, a professor in chemistry,

She made it possible to place 200 students, From Jan 2014, till date into various organizations, viz., TCS, Infosys, Cognizant, Kirloskar-Toyota, Sap-labs, HP, Tech-Mahindra etc., amounting to 90% placements of total eligible students.

She organized various training program during Jan 2014 to our students viz., personality development program, company's specific training program, and internship training program on Robotics from IIT Roorkee. Etc.,

Organized various pool campus drive for Rural area students.

Also conducted various pool campus drive for 2012 & 2013 batch passed out students, in association with VTU for social initiative to empower young engineers.

She has plans to start a separate entrepreneur development cell, and industry institute interaction cell for providing more opportunities to our young technocrats.

She has plans to start during vacation French and German language classes to benefit students,

College entered MOU's with 4 leading organization, viz., TCS, Meritrac etc., for carrying out their on-line examination at our college campus, this is in addition to already existing MOU's. This is made possible as college is equipped with 450 computers of 16Mbps, among which 200 full pledged to placement cell, having dedicated internet, LAN connectivity, and supported with exclusive rooms for Group discussion, interview, and seminar halls, etc.,

Vision: "From Diversity to Integrity"

P.G Classes and R&D Centre:

Dept of "Computer science and Engineering " and Dept of "Electronics and Communication" got approval for R & D centers and P.G Courses in "Computer science and Engineering " and "Digital Electronics".

Project Funding:

1)Dept of Electronics on cost effective implementation of stroboscope.

2)Dept of Computer science on Personalized mobile search engine.

3)Dept of Mechanical engg on "Diesel engine emission using diethyl ether".

From ISTE to Dept of Electronics on Advance trends in VLSI and SIGNALS.

From VGST Dept of Computer science on Hybrid real time intrusion detection system.

From VGST Dept of Mechanical engg on "Diesel engine performance on emission using diethyl ether and DPF" under SMYSR scheme.

No Incidents Reported:

No incidence reported in the entire college regarding grievances, ragging, sexual harassment, atrocities against human rights and other offensive incidents.

Online feedback and evaluation:

Feedback forms from students is made Online, Fool-Proof. Software was developed by our staff, Sri Harshavardhan J R of CSE department.

Mission: "Aim at perfection achieve excellence"

Department of Computer Science Engineering

Vision: "To provide competent and responsible professionals with knowledge and skill required for leading the country in its quest for development.

Mission: "Achieve excellence through value based education"



HEAD: Smt REKHA.B.VENKATAPUR

The department of Computer Science and Engineering was established in the year 1999. The department offer undergraduate program in Computer Science & Engineering. The department has a very good infrastructure and faculty to provide excellent education to Meet the industry standards.

The Students are given scope to conduct experiments on innovative ideas. A sound theoretical and practical work prepares the students in wider field of Computer Science & Engineering to take up challenging jobs in the area of: System software development, Application software development, Computer Net- working.

Latest Technology:

1) **Google is officially into wearable's.** The company has announced Android Wear, a version of the operating system designed specifically for wearable devices. The Android Wear project is open to software makers to create apps for the watches, putting Google at the forefront of efforts to jumpstart the nascent wearable computing market.. Voice-controlled smart-watches that track heart rates and connect to phones and tablets will debut later this year as Google Inc partners with electronics, technology and fashion companies to take consumers to the next promised

2) Chinese handset maker, **Gionee** has launched several Smartphone's in India. One of these is the **Gionee Elife S5.5**, the 'world's slimmest Smartphone' that was launched in China on 18 March, and in India on 31 March. Notably, the Gionee Elife S5.5 will officially hit Indian shelves on 27 April.

3) **Credit Card Authentication System:** An economical credit card authentication mechanism is implemented authentication system. This allows Any transaction to occur if the current location of registered mobile number is same as the location of store where card is being .Otherwise that transaction will be blocked and the authenticated user will get the notification about location where the card was swiped .

4) **OCR Enabled Equation Solver:** In the Android market, there is no application where in one can scan a mathematical equation and get the answer. To fill that void, we plan to develop an android application using which one can scan (click an image) various kinds of mathematical equations and get the answer. The motivation for this project comes from a popular T.V series, **The Big Bang Theory**. The first release of this app would be able to solve equations such as linear equations, quadratic equations and integrals.

Guest Lecture:

Cloud computing

Tuesday 04 March 2014 (for 4th CSE) and Friday 7 March

(for 6th CSE) , the Department of Computer Science and Engineering of KSIT had organized a Guest Lecture on "Cloud Computing " for the benefit of students of KSIT. **Mr.Anil Bidari**, Founder & CEO of Cloud Enabled who is popularly known as cloud Guru has given the lecture on Cloud architecture, IaaS, PaaS,SaaS, Type of clouds – Private, Public and Hybrid and he demonstrated how to utilize cloud Services.

Seminar:



Programming in Linux

The first seminar on LINUX was held on March 8th Saturday by **Mr. Shijil** and **Mr. Sharath** from Free Software Movement Karnataka. All Computer Science 4th and 6th semester students attended the seminar and gained knowledge about LINUX. We are thankful for the KSIT management and

KSIT GLUG club for their co-operation and making this event possible.

Workshop:

1)HTML5 and Web Development



Saturday, 15 March 2014, the Google Student Ambassador Program at KSIT, in collaboration with Google Developer Group (GDG) Bangalore had organized a full day workshop on HTML5 and Web Development for the benefit of students of KSIT.

Mr.Anuj Duggal, Organizer, GDG Bangalore, conducted the workshop in an interactive manner and led the hands-on workshop session, followed by a mini hackathon, where the participants came up with innovative web pages.

MAGAZINES

International 1)IEEE Spectrum:

IEEE Spectrum Magazine, the flagship publication of the IEEE,, explores the development, applications and implica-

tions of new technologies.

2) Communications of the ACM (CACM):

Communications of the ACM (CACM) is the monthly magazine of the Association for Computing Machinery (ACM).

National

1) Open Source for you (OSFY) : This is Asia's first publication about Linux and Open Source Software.

2) Pointers in C

The Department of Computer Science and Engineering conducted one day workshop on "Pointers in C" on 22 March 2014 by Open-Gyan Team, at Algorithms & Networks Lab, KSIT, Bangalore - 62. **Mr. Badrinath & Mr. Laxminarayan** conducted this workshop for 51 VI Sem CSE students.

National Conference:



The Department of Computer Science and Engineering organized one day National Conference on Networking, Image Processing and Multimedia on 5 April 2014.

Placements:

AS of April 2014, 41 students were placed in companies like L&T InfoTech, Tech Mahindra, SAP, Volvo, NTT Data.

Toppers:

- I - **M. Archana** 88%, **Arjun. D** 87%, **Latha Eshappa** 87%
- III - **Ashwini S** 81%, **Jyothi Kumari. S** 80%, **Tejaswini Nayak** 80%
- V - **Ashwini M** 83.2%, **Anusha K.A** 82.4%, **Swetha Singh** 81.3%
- VII - **Sushama S** 84.22%, **Keerthi A** 78.33%, **Uteerna K** 77.89%

Sports:

List of the students who won the events in annual sport's meet conducted on 14 Feb 14

- 1) **Deepika D Shetty** (IV SEM) won 1st place in both 100mts and 200mts Running. Also won 2nd place in Long Jump.
- 2) **Pooja Shetty** (IV SEM) won 1st place in both Short Put and 400mts Running.
- 3) **Varsha Rajaram** (VI SEM) won 3rd place in Short Put.
- 4) **Hemanth Kumar** (VI SEM) won 2nd place in 4*100mts Relay.

Achievements:

1) The **Vision Group on Science and Technology** (VGST), under the Department of Information Technology, Biotechnology and Science Technology, has selected our college for a grant of Rs. 10 lakhs a year under the Karnataka Fund for Improvement of Science and

Technology Infrastructure (K-FIST) Level-I for 2013-14. VGST has approved a Project Proposal titled "Hybrid Real Time Intrusion Detection System" submitted by **Dr. Naveen N C**, Professor, and CSE Department for carrying out the project.

2) A project work entitled "**A PERSONALIZED MOBILE SEARCH ENGINE (PMSE)**" has been selected by KSCST, under UG student project proposal for the year 2013-2014 under the guidance of **Mrs. NAGA MANJULA RANI**.

3) **Tejas Koundinya** has participated mobile app development conducted by **BCIC**.

Industrial visit:

On receiving the letter of permission from E-Parisara Pvt Ltd, Dabaspeta Bangalore, students of 4th sem A sec CSE dept. (55 students) along with two faculty members (Mr. Pradeep K R and Mrs. Naga manjula rani) went on an industrial visit to the E-Waste company named as By E-Parisara Pvt Ltd on 12-04-14. We all assembled at the college at 9.00 a.m. and left the college in a college bus. We reached the E-Parisara Pvt Ltd at 10.45 am. E-Parisara Members in charge of production received us at the entrance and gave a brief introduction through documentarian and took us to all type of processing done for electronic waste.

The visit came to an end at 1.00p.m. We left the premises at 1.15p.m. It was an informative, interesting and a successful visit. As students of Computer science and Engineering, We learned how we can make use of E-Waste, we are encouraging the students of KSIT to start E-Waste campaign and ensure awareness of utilizing electronic waste in college and home

Faculty Registered for PhD :

- 1) K. Venkata Rao
- 2) Deepa . S.R
- 3) Sangeetha. V
- 4) Archana Jyothikiran
- 5) P. Priyanga
- 6) Vijayalaxmi Mekali
- 7) Pradeep Kumar. G. H

Department of Mechanical Engineering

Vision: "Inspiring Technical Education"

Mission: "Engineering Excellence Through Team"



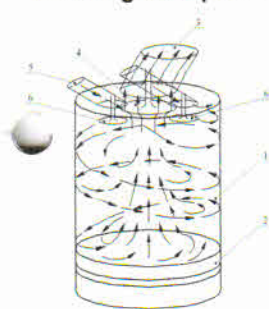
HEAD: Dr. Suresh P.M

Intake of 120 plus 10% lateral entry students, along with highly qualified post graduate and doctoral staff department is committed and dedicated to build best Mechanical graduated in-built with good foundation in engineering along with a clean vision of their goal and mission, and in turn they must be highly resourceful to society and in building better India.

Department posses a small research wing which is engaged in carrying out some research projects, also some PhD aspirants carrying out works. Department is bagging VTU ranks including 1st ranks mere often. Students are able to win championship in sports and other events.

Latest Technology:

Internal combustion engine with 2 / 4 (two and four) stroke switching concept. The proposed improvements to conventional



four-stroke internal combustion engine (ICE) accelerate its gas exchange and allow switching the ICE (especially Diesel) from four-stroke to two-stroke regime during engine operation. Scavenging in four-stroke and two-stroke mode of operation is fulfilled through the same inlet and exhaust valves. The essence of the innovation is to improve gas exchange during the two-stroke mode of engine operation. Four-stroke gas exchange is

performed like in ordinary four-stroke diesel engine. Two-stroke gas exchange is performed through the inlet and exhaust valve unlike scavenging ports in conventional two-stroke diesel engine. Inlet valves 6 are located on periphery of the cylinder head; exhaust valve 4 is along the cylinder axle or with a small offset. The fresh air, preliminary compressed in the engine turbocharger and additionally compressed and cooled in the supercharger with inter-cooler, is supplied into the working cylinder 1 through tangential inlet passages 5 placed at a certain angle to the cylinder head surface. Then the fresh air starts swirling as a dense bed along cylinder walls and displacing to its center and wrings exhaust gases from the cylinder walls to its axle. When the fresh air stream reaches the bottom of piston 2 it turns and expels exhaust gases, concentrated along the cylinder axle, through exhaust valve 4 into the exhaust passage 3.

To lower residual gases ratio and to cool hot surfaces, cylinder scavenging, accompanied by the discharge of some amount of fresh air charge into the exhaust system, is performed. Phases of gas exchange are typical of two-stroke conventional IC engines. Supercharger of any appropriate type with inter-cooler is complemented to conventional IC engine, the arrangement of both the inlet valves and exhaust valve on the cylinder head as well as the valve-operating system are changed in order to provide a four-stroke and a two-stroke engine mode of operation. The fuel pump is selected and adjusted to provide fuel supply in correspondence with the number of working strokes.

Unlike the conventional two-stroke IC engine (especially two-stroke Diesel engine), there are no scavenging ports in the pro-

posed design and no losses of burnt oil through them. It provides the same harmful emission as the emission in conventional diesel engines.

Publications:

International

"Static and bolt pre load analysis of a two stage air compressor connecting rod"-IJRAME-Vol 2, Issue 2. By Dr. Suresh P M

Events:

1) SAE collegiate club:



Society of automotive Engg stimulates students participants in projects that require the application of Engg knowledge and promote professional growth, offers visits to industrial plant and Engg research centers. Through SAE we can have informal contacts

with industry and government through joint meetings and for entry in student level competitions. **SAEINDIA** provide platform to students to gain experience in administrating organizational activities, conducting meetings, taking part in committee activities and seminars. SAE club comprises of 79 student members and 3 faculty members.

2) Emanation



The emanation released its first news letter on 17 March 2014 which is a bimonthly, totally organized by students to cover information, updates in the field of mechanical Engg and to cater activities like quiz, pencil sketches, seminars and guest lecture

to tap the individual potentials.



Mr. Karthik N (1KS09ME040)
for Securing
Fourth Rank in BE (Mech. Engg)
in VTU Exam - 2012-13



MAGAZINES International

MECHANICAL ENGINEERING ASME helps the global engineering community develop solutions to real world challenges.



Mechanical Engineering magazine app is the award-winning monthly flagship publication.

National

Indian Society of Mechanical Engineering (ISME)

Mechanical Engineering is an engineering discipline that was developed from the application of principles from physics and materials science.

3) Pencil Sketch Competition:

It was held on 4th of April, and the topics given were –

*What does an automobile mean to you?

*Futuristic car design



The event was open to students from all branches. 43 participants took part in the competition. About 15 volunteers worked actively to make the event a grand success.

All the faculty members supported the event. **Dr.H.K.Srinivas, Prof and Head, Dept of Mechanical Engineering, YDIT,** and **Mr.Kumar.V, Design Engineer, QuEST Global Pvt. Ltd.** took keen interest in carefully judging and selecting the best sketches. They took special interest in collecting the idea behind the sketches from each participant personally. The event went on for about 2 hrs, and thanks to all the people who made it a grand success.

4) Aero modeling Workshop:



A one day workshop on glider modelling was held on Sunday, the 13th of April in the college for SAE members.

Mr.Kumar.V, Design Engineer, QuEST Global

Pvt. Ltd and **Mr.Jitendra Bhatt, Design engineer, QuEST Global Pvt. Ltd.** helped the students to understand the basics of aeromodelling, and guided all the participants in making gliders. **Dr.P.M.Suresh sir** took keen interest in ensuring the smooth functioning of the event. **Mr.Nagaprasad sir** worked with the team of 50 students and ensured that everyone was happy at the end of the day.

About 2 hrs of briefing was done regarding the basics of aeromodelling in the beginning of the workshop. Then, team of 3 were made, and each team was guided to make chuck gliders from balsa wood. After a lot of effort, all the teams were successful in flying the gliders for a few meters. Though the journey of gliders was only a few meters, the joy experienced by all had no bounds and limits at the end of the day!

Guest lecture:



"Career guidance and opportunities in mechanical engineering" on 22 March 2014 **Ravi P S Technical manager QuEST Global Pvt. Ltd.** He took us through the opportunities in mechanical engineering stressing on understanding, practicality

of engineering problems.



Dr. Sumendu Jana Scientist ,NAL. The guest lecture was conducted on 5 April 2014 on the topic **"Development of magnetic bearings –An indigenous effort"**.

Placements:

AS of April 2014, 25 students were placed in companies like

Toyota Kirloskar textile, Infosys, L&T InfoTech , HP ,Tech Mahindra, Treveni turbines ,United spirits.

Toppers:

III-**Hitesh kumar.c**86.78%,**VinayakSharma** 86.33%,**Tejaswini.N** 81.44%

V-**Ajaya.Budhathoki**81.11%,**Sajjad.pasha**80.89%,**Manoj kumar r** 80.67%

VII-**Sai Charan H Y** 89.33% ,**Nitin S N** 82.89% **Jatin Maheshwari** 82.56%

Achievements:

1) Technika-2014 National level technical quiz, won 1st place , at Akshaya Institute Of technology by **Yathin Kumar** and **Rakshith .M** of VI sem.

Participated in Paper presentation at Bose automotive suspension , A National level event. At Akshaya Institute Of technology on 29th April under the guidance of **Mr.NagaPrasad K S** and **Mr.Yogendra Mahajan.**

2)Tatva-2014, they won 2nd prize in "chuck gliders event" -**Vivek S,K Shankar Arvind, Vinay Bhardwaj, Harshavardhan U.**

3)Aviano-2014,they won 3rd & 5th prize in "GLIDER"- **Nishant Patel, Prajwal P, Piyush Verma** and **Shashi Kumar B P.**

4)National level championship – **Robotyst -2014(IIT delhi)-Prabhanjan V S** and **Vivek subramanya P.**

Industrial visit:

IV Sem Mechanical students visited GT&TC on 23&24 April 2014. Planned to take VI sem Mechanical students to CMTD and IISEM M.Tech students to Toyota Kirloskar during May 2014.

Department of Electronics and communication Engineering

Vision: "Knowledge for Excellence".

Mission: "To prepare highly dedicated and committed professionals in grained in creativity and adaptability"



HEAD:Dr. P N Sudha

Intake of 120 plus 10% lateral entry students, along with highly qualified post graduate and doctoral staff department is committed and dedicated to build best Electronics graduated inbuilt with good foundation in engineering along with a clean vision of their goal and mission, and in turn they must be highly resourceful to society and in building better India. It is also my pleasure to quote here that my students excelled in cultural and sports activities, competing with IIT graduates.

That apart, more than 90% of them were placed in reputed industry and institutions . My student posses ability to adapt rapid changing scenario of Electronics and fits well worldwide

Latest Technology:

The **Internet of Things** (IoT) refers to uniquely identifiable objects and their virtual representations in an **Internet**-like structure as shown in the figure. The term Internet of Things was proposed by **Kevin Ashton** in 1999 though the concept has been discussed since at least 1991. The concept of the Internet of Things first became popular through the **Auto-ID Center** at **MIT** and related market analysis publications. Radio-frequency identification (**RFID**) was seen as a prerequisite for the Internet of Things in the early days. If all objects and people in daily life were equipped with identifiers, they could be managed and inventoried by computers. Besides using RFID, the **tagging** of things may be achieved through such technologies as **near field communication**, **barcodes**, **QR codes** and **digital watermarking**.

Equipping all objects in the world with minuscule identifying devices or machine-readable identifiers could transform daily life. For instance, business may no longer run out of stock or generate waste products, as involved parties would know which products are required and consumed. A person's ability to interact with objects could be altered remotely based on immediate or present needs, in accordance with existing **end-user** agreements. For example, such technology could enable much more powerful control of content creators and owners over their creations by better applying **copyright restrictions** and **digital restrictions management**, so a customer buying a **Blu-ray disc** containing a movie could choose to pay a high price and be able to watch the movie for a whole year, pay a moderate price and have the right to watch the movie for a week, or pay a low fee every time she or he watches the movie.

According to **Gartner** there will be nearly 26 billion devices on the Internet of Things by 2020. According to **ABI Research** more than 30 billion devices will be wirelessly connected to the Internet of Things (Internet of Everything) by 2020. **Cisco** created a dynamic "connections counter" to track the estimated number of connected things from July 2013 until July 2020 (methodology included). This concept, where devices connect to the internet/web via low-power radio, is the most active

research area in IoT. The low power radios do not need to use Wi-Fi or Bluetooth. Lower power and lower cost alternatives are being explored under the category of Chirp Networks.

Publications:

1)**Prof. Surekha Borra** under the guidance of **Swamy G N** published a paper titled "Lossless watermarking Technique for copyright protection of high resolution images", in IEEE region 10 Technical Symposium, held in Malaysia august 14-16, 2014

2)A technical paper titled "Spectrum Estimation, Spectral Sensing using Wavelet Packet Transform for Cognitive Radio", has published in **IJARES** journal 2014. By **Prof. Nithya Kumari R.**

Events:

1)The inaugural function of **KSIT- ISTE STUDENT CHAPTER** was held on 22 March 2014 in our campus. There were 279 students



who have become members of the ISTE CHAPTER.

Prof Vrushabhendruppa , The chairman of ISTE Karnataka section was the chief guest .

Mr Zane Cuxton , Chief mentor ASK delivered the key note address on Ethics , Moral values , Goal setting & the root to success , which was well received by the students.

Mr K Subramanyam Naidu, the president of Kammavari sangham presided over the function

Dr S N Shridhara Director / Principal, KSSEM & **Dr T V Govindaraju** Director / Principal, KSIT addressed the gathering.

Prof Sangappa S B, Hon. Secretary & Treasurer, ISTE Karnataka Section, was the Chief coordinator & he welcomed the gathering. The event was hosted by **Batul R J** of 6 Sem CSE & **Nikhita R.** of 6 Sem ECE proposed vote of thanks.

National & International Magazines



Electronics for You: Over the last four decades, the EFY Group has become synonymous with information on cutting-edge technology. Today, this renowned media

group is spread across eight cities of India, and caters to over two million techies spread across the globe.



Radio electronics and Communications Systems: The journal covers theoretical

problems of radio-engineering, results of research, materials of scientific conferences and meetings, information on scientific work in higher educational institutions, news, and bibliographic materials.

2) Lab view of National Instruments

ECE department of KSIT regularly conducts core1 & core2 courses each of 3 days duration to train the students to enhance their technical skills. The training also helps them to take up Certified Lab view Associate developers (CLAD) Exam, conducted by NI. If the student clears CLAD exam, their names will be notified in NI website and such type of core engineers are much preferred for jobs in MNCs. **Akshay Shastry and Sanjay Anand cleared the CLAD exam on 26th march 2014.** Labview is an easy-to-use, interactive, graphical programming language that helps users write sophisticated programs and applications in a shorter amount of time without needing a computer science degree. In school, Lab view helps busy students and researchers work more efficiently. After graduation, Lab view skills help students get jobs at thousands of companies around the world. Other hardware's of NI includes ELVIS, NI myRIO, NI myDAQ, embedded systems, digital signal processing are much useful to understand the basics and then to do innovations. Application areas include Measurements and Instrumentation, Circuit Design, Control Design and Simulation, Embedded Systems, RF and Communications, Signal and Image Processing.

3) KSIT-IEEE STUDENTS BRANCH

ECE department has IEEE students branch with its school code is 60011722 and branch code is STB6194. Executive committee members includes **Dr.T.V.Govindaraju, Director, Supriya.V.G., Branch Chair, Dr.M.J.Shanthi Prasad, Mentor, and Mrs.R.Jayagowri, Branch Counselor.** The office bearers, **Mr.Gurusharan, Branch chairman, Ms.Madhurya, Vice-chairman, Mr.Anil.H, Secretary and, Mr.Akshay kumar Shastry Treasurer.**



The professional activities conducted by students is helping the students to improve their Communication skills, Organizational skills, Leadership skills and Information about

technology advancements. Technical activities were conducted on Saturday, 26 October 2013.

Dr.Preeta Sharan, IEEE- Bangalore section student activity co-chair delivering keynote address. Dignitaries on the dias are **Mr.K.Subramnaiyam Naidu**, President, Kammavari Sangham, **Dr.T.V.Govindaraju**, Principal/Director, KSIT, **Mrs.Supriya.V.G.** Branch chair, **Mr.Manjunatha Iyer** – IEEE GOLD (Graduates of Last decade) Association chairman, **Mr.Stanley**, Vice president of the firm "Epitomes", Sponsorer of the event. Dignitaries, **Dr.M.J.Shanthi Prasad**, Branch Mentor, **Mrs.R.Jaya Gowri**, Branch Counselor, KSIT staff and Branch student members observing the presentation. The Technical events conducted are, Cranium (Quiz), Random N Tandom (Puzzles) and Cubix. In addition to IEEE student members, non IEEE members from colleges around Bangalore had participated in huge numbers as high as 150. The events were conducted throughout the day and prizes were distributed to the winners and runners of all the 3 events.

4) A technical mega event under **OPTIMUS** was organized on 26-04-14 at KSIT under president ship of M/s **Kiran Gupta**. Under the banner of IEEE-KSIT student branch, which conducted 4 rounds of events where 1st and 2nd prizes were grabbed by students of ksit.

Achievements:

1) Won 1st prize in group dance and fashion show at SJBIT .

2) 3rd prize at VTU fest (Bapuji institute of technology) in group songs .

3) Winner in "Tug of war" at APSCE and participated at BMSCE.

Placements:

AS of April 2014, 55 students were placed in companies like L & T InfoTech, Volvo IT, NTTDATA, HP, Knowx Innovations, Sap Labs, CMC – TATA, Unisys, Tech Mahindra, Infosys, Cognizant Technologies, Tata Consultancy Services.

Toppers:

III-**S.Navya sri** 81.33%, **Pooja.R** 79.11%

V-**Manasa.M.S** 84.67%, **Mamatha.K** 80.78%

VII-**Sanjay Anand** 81.67%, **Abhijit.M.Rao** 80.22%

Faculty Register for Ph.D under VTU for this academic year:

1)**Prof. Vishalini Devakar** and **Prof. Supriya V. G.** have completed their course work as partial fulfillment for award of Ph.D under Jain University.

2)**Prof. Rajeshwaridevi** has completed the process of provisional registration of her Ph.D under Visveswaraya Technological University.

Industrial visit:



To provide industrial exposure to the students, the present 8th sem students were taken to Bharath Electronics Limited, Bangalore.

Public Relations:



Mr Sangappa S B-PRO

Mr Sangappa S B, Faculty member of the Dept of Electronics & Communication Engineering is elected as the **Section Managing Committee Member** (SMC Member) of Indian Society for Technical Education - ISTE, New Delhi, subsequently elevated to the post of **Hon.**

Secretary & Treasurer of ISTE Karnataka State Section.

The inaugural function of **KSIT- ISTE STUDENT CHAPTER** was held on 22 March 2014 in our campus. There were 279 students who have become members of the ISTE CHAPTER.

Department of Telecommunication Engineering

Vision: "To make integrated professionals through well developed facilities and best available training programme"

Mission: "To build disciplined and integrated professionals through academic excellence"



HEAD: Chanda V Reddy

I take immense pride and honor to pen down the telecom departments travails in the college news letter. The telecommunication section of the college news letter puts on record the laurels and accolades won by students in various prestigious cultural and sports events making our alma matter proud. We also intend to provide recent telecommunication advances to inculcate innovative learning. In addition I would like to provide information about the progress and important workshops held to induce a conducive learning atmosphere among students. I hope the staff & students of KSIT will keep up the good spirits in which the news letter is published.

Latest Technology:

The Department of Telecommunications (DoT) plans to leverage one of the three existing subsea cable links between Chennai and Singapore to enhance connectivity between the Indian mainland and the Andaman and Nicobar Islands. At present, Bharti Airtel, Reliance Communications and Tata Communications run independent submarine cable systems between Chennai and Singapore. These subsea cable systems cover area of over 3,100 km.

All India rural GSM subscribers increased 4.14 million in January 2014, which was 1.5 percent up from previous month, according to data released by the Cellular Operators' Association of India (COAI) here Saturday. Telecom service provider Airtel has the maximum rural subscription at 91.40 million in January 2014 followed by Vodafone, Idea, Aircel and Telewings

The big challenge for the major growth opportunity in sector – is that consumers are **addicted to connectivity and speed**. The ongoing expansion of the mobile ecosystem, coupled with demand for high-bandwidth applications and services such as video and gaming, is keeping pressure on the industry to increase the availability and quality of broadband connectivity

what is fascinating about the telecommunications ecosystem of 2014 is that mobile is on the leading edge of innovation that crosses virtually every industry and sector, and is a key engine of economic growth for the U.S. 2014 will see truly innovative products and services and continued exponential growth in technology – and will be an exciting year for the sector.

International Publications:

1) **Mrs.Chanda.V.Reddy**, Asst.Prof. has published a paper in International journal IJCRD titled **"Algorithm for SNR Estimation and Signal Power Variation of Wireless Channel"** January 2014 Vol:2 ; Issue: 1

2) **Mr.Senthil Babu**, Asst.Prof. has published a paper titled **"Energy Model for the Configured MSP430F1612 on a TELOS6 Mote with the Help of Contiki"** in Emerging Research in Electronics, Computer Science and Technology, Lecture Notes in Electrical Engineering 248, DOI: 10.1007/978-81-322-1157-0_63, **Springer India 2014**.

3) **Mrs.Ramya.S**, Asst.Prof. has published a paper in International Journal of Advance Information Science and Technology (**IJAIST**)

titled **"Performance evaluation of optical switch based on wavelength conversion"** vol-22,no-22,feb 2014.

Events:

1) ISTE student chapter was inaugurated at KSIT on 22 March 2014 and 36 students enrolled as student member.

Guest Lecture:



1) A guest lecture on "OSS/BSS IN TELECOM NETWORKS" by **Mr.Girish, Mr.Ravindra Sharma** from wireless division, Reliance was organized for 4th & 6th sem students at KSIT on 22 March 2014.

2) Guest Lecture on **"CURING THE INCURABLE IN ACADEMIC ENVIRONMENT"** by **Prof.Venkatash** from R.V.C.E., Bangalore for 6th and 8th SEM students was organized on 8 April 2014.

Workshop:



1) **Mrs.SumaSantosh**, Asst.Prof. attended the one day workshop "Training the Trainer" on intellectual property rights(IPR) held at VTU CPGS Bangalore on 18 Jan 2014

2) **Mrs.Rekha.N**, Asst.Prof. & **Ms.Srividya.R**, Asst.Prof attended the one day workshop on "Research Methodologies" held at KSSEM, Bangalore on 30 Jan 2014.

3) Two day workshop on **"MATLAB & SIMULINK"** was organized for 6th sem students in KSIT on 13th & 14th March 2014.

Placement Details:

As of April 2014, 14 students were placed in companies like Tech Mahindra, NTT DATA, L & T InfoTech, Mphasis and Infosys

National & International Magazines

Insight telephony	Telecom Asia	Phone +
Wireless week	Tele.net	Mobile radio telephony

Toppers:

- III - **Rashmitha .P** 81%,**Sahana.H.B** 81%,**Nayana.B.S** 80.33%
 V - **Nisban.P** 71.55%,**Krishna Murthy** 71.22%,**Zahra Siddiqi** 70.7%
 VII - **Arpitha.V** 80.88%,**Sharanya.K.S** 80.3%,**Apoorava.M.S** 78.88%

Achievements:

- Anushree Padmanabha** and **Aparna K** of 6th sem Participated in MAGNOVITE 2014 at christ University, Bangalore in INDIAN MUSIC and secured 2nd Prizes.
- Vikash Nag.P, Pavan Kashyap, Sathya Pramod Bhat.M.N & Rakesh.S** of 6th sem have participated in various events in DAVANA 2014, the 14th annual VTU youth festival held at Bapuji Institute of engineering & Technology, Davangere from 26 February to 1 March 2014.
- Aparna K** and **Anushree Padmanabha** of 6th sem have participated in DAVANA 2014, the 14th annual VTU youth festival held at Bapuji Institute of engineering & Technology, Davangere from 26 February to 1 March 2014 and won the third place in Indian Group Music.
- Kshama P.M** has participated in UTSAV 2014 held at BMS college of Engineering, Bangalore from 28th -30th march 2014 and secured second place for classical vocal solo singing.
- Aparna.K** and **Anushree Padmanabha** of 6th sem have participated in UTSAV 2014 held at BMS college of Engineering, Bangalore on 3 April 2014 and secured 1st place for Indian Music.
- Anushree Padmanabha** of 6th sem has participated in eastern dance competition held at SJBIT and NIT-MS and won the 1st place.
- Anamika** and **Zahra** from 6th sem have won the 1st & 2nd place respectively for Huawei quiz event held at KSIT on 13 Feb 2014.
- Nischita A.B** of 6th sem has won the 2nd place for Huawei pick & speak event held at KSIT on 13 Feb 2014.
- Vikas Nag P** of 6th sem won 1st place in short movie, held at UDBHAV, MSRIT on 10 to 12 April 2014
- Vikas Nag P** of 6th sem won 1st place in short movie, held at VERVE-2014, at JSS on 24 to 26 April 2014

Industrial visit:

Industrial visit was organized to ISRO for 6th sem students on 7 march 2014 and Industrial visit was organized to HAL for 4th sem students on 28 march 2014

Faculty Registered for PhD :

- Mrs. Rekha.N,Asst.prof.
- Mrs. Bhavya.R, Asst.prof.

Library:



Dr. Bharathi
Chief Librarian

Dr. Bharathi, a Chief librarian with Vision: Excellence in access to knowledge & Information, and with a mission: To provide continuous access to the Knowledge & Information in the library to students and faculty of the institute for achieving excellence in their chosen discipline. She made it possible to acquire 34000 volumes, with 4100 titles, with recent addition of 432 volumes, just from Jan 2014. Added to this she provided e-

resources, subscribed for 2014, nearly 17134 e-Journals and 14044 e-books. She keeps open the library till 8 pm from 8.30 am. She also established complete question papers of VTU, from years both on line and hard copies. She also has plans to update question papers with schemes.

Sports:



Shri. B.L. Shekar
Director: Phy.Edn

Headed by Shri. B.L. Shekar, a true spirited sportsman, made KSIT name to flourish at VTU, district, state and even at National level.

In 2014 he made it possible to organize:

Tournaments at KSIT: VTU Volley ball Women's tournament Zonal, inter zonal, selection trials and coaching camp. VTU Volley ball tournament Men

and Women (KSIT team). (**Kum. Jahnavi B M**, (VI Mech) in VTU volley ball team). VTU Archery, men and women tournament zonal, inter zonal, selection trial, and coaching camps.

Participations: Foot ball (qualified for semi finals). Volley ball (M&W)- secured 2nd place in BMS tournament and qualified for quarter finals in VTU tournament. Cricket –qualified quarter finals (Sri. Rajshekar (VIII Mech) in VTU cricket team). Basket ball – (first round only). Kabaddi –VTU south zone runners and qualified inter zone. Athletics, Swimming, Archery (Men & Women team) – participated. Yogasana – secured 3rd place in VTU by kum. Vijayalakshmi (VIII sem T.C). Shuttle Badminton – KSIT women's team secured 1st place in BMS tournament & 2nd place in VTU tournament.

Inter class Events –organized Athletic meet, volley ball (M&W) foot ball, cricket, shuttle badminton (M&W)

SAD DEMISE

FACULTY



MOHAN KUMAR .P.G
Asst. Professor, Mechanical(Civil)
TUESDAY, 1 APRIL 2014

IT IS WITH PROFOUND GRIEF MANAGEMENT, PRICIPAL, HOD'S, STAFF AND STUDENTS PRAY ALMIGHTY TO REST THEIR SOUL IN PEACE.

STUDENT



YERRA NAGA BABU
IV Sem ECE
MONDAY, 24 MARCH 2014

Mr. B.V Sreenivasa Murthy (MED), Mr. Santhosh C (MED), Mr. Sunil Kumar G.R (ECE), Ms. P Priyanga (CSE), Ms. Suma Santosh (TCE)
 Ms. Anuradha M.V (BS&H). STUDENTS SUPPORTERS: Vasisth N Pandit (VI MECH), Shubham Agrawal (VI MECH), Bharat Gowda (II TCE).

Department of Basic Science

Vision: "In pursuit of global excellence, the need of the hour, is to integrate learnt theories into well established practices."

Mission: "To facilitate smooth transition, by imbibing the content of physics, chemistry, maths, humanity, creativity, innovations, scientific temper and continuous improvement, to churn them to global standards with regard to both industry & academics."



HEAD: Dr.K.R. JAYAKUMAR

Basic science & humanity are the hygienic foundation for every individual which influences light into life of every engineering student. This department gives a strong foundation of both Basic science and moral science which helps them to integrate it, with technology, and thus transforms it into his life skill, so establishes a successful career.

It is obvious for the growth of a country and to prosper, industrialization is very important, where our engineers use their acquired skills in taking nation to greater heights.

Publications:

International Journal

- 1) **K.R Jayakumar & A.T Eswara**- "MHD Laminar Boundary Layer flow & heat transfer over a moving cylindrical rod – International Journal of mathematics and Engineering 2013P.P.2281-2290.
- 2) **K.Yogesh Kumar, H.B Murlidhar, Y Arthoba Nayak & S.R.Kiran Kumar**- "Zno-Nio Nanocomposites as highly recyclable adsorbent for efficient removal of Pb(II) & Cd(II) from Aqueous solution"- (978-1-4799-1377) IEEE.
- 3) **H.B Muralidhara, Yogesh Kumar, Kiran Kumar S.R**—"Synthesis, Characterization and Application of Hierarchically assembled zinc oxide nanorods for the removal of Hg (II) from waste water" – ISBN No 978-81-928203-2.3
- 4) **Tahir Khan** dept of TCE participated in Athletes event 400N running for boys and secured (III) place held at SAI grounds in Feb 2014.
- 5) **Tahir Khan, Girish, Bharghava and Kishan** dept Of TCE participated in 4x100 mts relay and secured (III) place at the athlete meet for boys held at SAI grounds in Feb 2014.
- 6) **Roja E**, (II) sem, Dept of ECE, participated in 200mt and secured (III) place at the athelete meet for girls at SAI grounds in Feb 2014.
- 7) **Vidya**, representing Dept of ECE, participated in 100mt and secured (II) place at the athletes meet for girls at SAI grounds in Feb 2014
- 8) **Roja** and team representing dept of EC participated in 4x100m and secured (II) place at the athelete meet for girls at SAI grounds in Feb 2014

Events:

National Conference

1) **K.R JayaKumar, A.H Srinivasa, A.T Eswara** "unsteady nonsimilar MHD free convection from a porous vertical plate with constant heat flux and suction (Blowing, National conference Heat flux and suction(Blowing), National conference on recent trends in applied Mathematics, SIT, Tumkur(2013)

2) Syntythesis, characterization and application of hierarechically assemvled zinc oxide nanorodes for the removal of Hg (II) afrrom waste water. **H.B. Muralidhara, K.Yogesh Kumar and Kiran Kumar S.R.** National conference on nano science & Nanotechnology, BMS Institute of Technology, Bangalore, Oct 2013.

Achievements:

- 1) **Rahul Kumar A & Sirisha NS** of (II) Sem, TCE participated in product launch at the cultural fest organized by SJBIT and secured (II) place.
- 2) **Dheeraj, Tahir, Naren & Bharath gowda** representing Dept of TCE participated at the BNMIT cultural fest and secured 3rd prize in the event chuck glider.

Sports:

- 1) The NCC organized a firing competition at doddaballapur and **Bharath Gowda** representing the dept of TCE, KSIT secured first place and was adjudged as best cadet in the camp.

Toppers:

Mechanical:

Nagaraj.S.V-85.16%, Suhas.J.Ram-82.19%,Nishant Patel-81.94%

Computer Science:

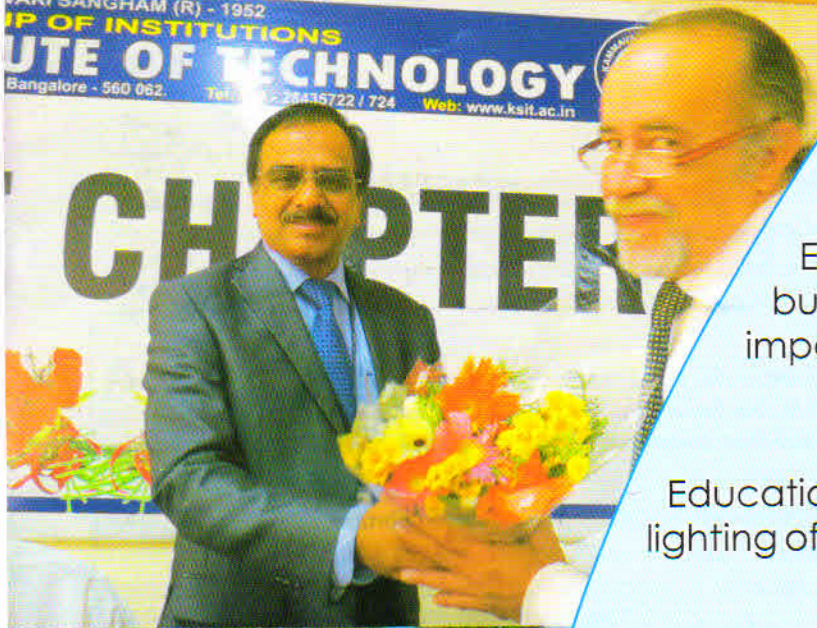
M.Archana-87.74%,Arjun.D-87.48%,Latha Eshappa-86.71%

Electronics And Communication:

Suchitra.K-84%,Sindhu.H-83.35%,Vandanshree.S-82.71%

Telecommunication:

Kumari Amrutha.H.R-79.69%,Bhavana Bhatt-78.97%,Sharanya-77.81%



Education is a progressive discovery of our own ignorance. ~Will Durant

Education make a people easy to lead, but difficult to drive: easy to govern, but impossible to enslave.

Peter Brougham

Education is not the filling of a pail, but the lighting of a fire.

William Butler Yeats

Education is simply the soul of a society as it passes from one generation to another.

G. K. Chesterson

Instruction ends in the school-room, but education ends only with life.

Frederick W. Robertson

"Education is the most powerful weapon which you can use to change the world."

Nelson Mandela

Education is essential to change, for education creates both new wants and the ability to satisfy them."

Henry Steele Commager

"Take up one idea, make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body be full of that idea and just leave every other idea alone. This is the way to success."

Swami Vivekananda



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