

KAMMAVARI SANGHAM (R) - 1952

K S GROUP OF INSTITUTIONS

K. S. INSTITUTE OF TECHNOLOGY

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VOLUME 2, NOV 2014















Chinthana

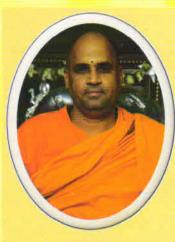


Manthana

Think Beyond Imagination....

"Innovation by its very nature involves risk. When you are trying to do something you have never done before, it is a leap into the dark and it has to be a leap of faith. Humanity would not have progressed if we had not taken such risks. Today, we have dared to reach out into the unknown and achieved the near impossible" - ISRO





Our respected Chief Guest in his address emphasised the essentials of being a student. An engineer himself, he stressed upon, that students must walk in the path of discipline as only a disciplined soul can withstand challenges in this highly competitive world. Along with a disciplined life he advised the students to develop the habits of reading everyday academic as well non-

academic as acquiring knowledge from all corners makes a man rich throughout his life. He said respect your books as you respect your parents and god.

He made it very clear in his talk to the students by asking them to give importance to studies as that determines their present path for the future journey.

The chief guest was very stern when he addressed the students about dressing or grooming. Grooming is an essential part in a student's life. He said we need to take at most care in carrying ourselves by a proper dress code as we communicate to the outside world through our dress.

The chief guest encouraged the students to respect their parents, express gratitude as they are the reason for our existence.

Lastly he said respect your teachers as they are the corner stone, the foundation for their solid future. The teachers inspire, induce the students by their divine knowledge and most importantly they are your parents away from home.

Sri Sri Dr. Veerashananda Saraswathi Swami



I feel immense Pride & Pleasure to pen down the words for college news letter " Chinthana Manthana". I congratulates the effort & hard work put by editorial team in bringing out this news letter.

> Sri K Subramanyam Naidu President



This newsletter is the overview of the college activities organized in our campus for students and faculties. This provides a platform to convey information & facilities about department activities. Newsletter has covered all those aspects and I congratulates them.

Sri S R Naidu Secretary



I am proud, because we are having an innovative plan and determined to succeed. We are also fortunate to have best students and faculty who can support our efforts to transform the college. With our added strength comes added responsibility. Innovative ideas and applications that will improve the

lives of individual and enrich society as a whole. The news letter Chinthana Manthana has given very good platform to present achievements and direct for future action plans. I congratulate individually each one who contributed his her thoughts into action plans in this issue.

I firmly believe that the creative intellectual resources of KSIT will play an increasingly important role in the region. Prove or perish, that is the call of the day. And that will make a difference. Meeting and measuring up to the emerging challenges is the prime function of today's engineers. To do this, they require keen perception, flexibility and the ability to merge theories into action plans. Needless to mention, today's practitioners must be comfortable with the latest technology and be sensitive to the importance of ethical and human values.

Thinking should become our capital asset, no matter whatever ups and downs you come across in our life.

Thinking is progress. Non-thinking is stagnation of the individual, organization and the country. Thinking leads to action knowledge without action is useless and irrelevant. Knowledge with action, converts adversity into prosperity.

Dr. T V Govindaraju PRINCIPAL/DIRECTOR

EDITORIAL TEAM



Editorial team is proud to present you with second edition of college newsletter "Chinthana Manthana". All the activities carried out by respective Departments have been covered in this edition.

- Message From Chief Editor

DEPARTMENT OF COMPUTER SCIENCE



"I would like to congratulate the editorial team of the news letter for their effort in exploring the department activities, achievements and latest technologies in Computer Science and Engineering field. Such

newsletters will certainly bring recognition to the talents and skills of students and staff. I hope readers of this newsletter will appreciate it. The Computer Science & Ingineering Department is trying hard to achieve academic excellence along with extracurricular and co-curricular activities. I wish staff and students all the very best in their future endeavors."

REKHA B VENKATAPURA Prof. & Head

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."

Department Welcomes..

1. Mr. Chethan M, Asst. Prof.

M.Tech (CNE)

2. Mr. Aditya Pai H, Asst. Prof.

MS(IT & Management)

3. Mrs. Swathi K, Asst. Prof.

M.Tech (CSE)

LATEST TECHNOLOGY Computer Emotion Detector



Dev Drume Agarwal, Shiv Ram Dubey and Anand Singh Jacal, of the GLA university in Mathura, Uttar Pradesh, India, suggest that the recognition of emotions by future artificial intelligences in the form of computers or robots will provide a missing link between the humans and machines environments without which the appropriate interaction between the two domains may never be entirely successful. The team has taken three phase approach to a software emotion detector. The first involves developing an algorithm that can precisely identify and define the features of the human face. The second then analyses the particular position and shapes of the face. The third phase then associates those features with person's emotional state to decide whether they are happy, sad, angry, surprised, fearful or disgusted. Preliminary test gave a 94% success rate to the team reports.

POSITIVE ASPECTS

Gate

Our department is not only dedicated in presenting the world with best quality engineers, but also in helping them to crack one of the most difficult exams. The enthusiastic faculty members have come forward to train the future engineers in cracking GATE.

M.Tech

The Department of Computer Science and Engineering started M.Tech in Computer Science and Engineering for the academic year 2014-2015 with the support and encouragement of management, under the able guidance of our beloved **Principal / Director Dr. T V Govindaraju**

"An ounce of patience is worth more than a tonne of preaching."

Coordinator in CSE department.

Google Student Ambassador (GSA)

Kumar S Manjalagiri of 5th semester was selected as a Google Student Ambassador of the year 2014-2015. He is one amongst 177 GSA's from 75 different cities across plans as a GSA, he proudly says he wants to conduct Android, cloud Computing & Big Data for the budding science. engineers. He is eager to get all the more GOOGLY!

Vocational Course

A one week crash course was conducted from 14-06- Python Programming 2014 to 20-6-2014 for 5th semester students. This made the students proficient regarding the topics Web Designing, Android, UNIX & C, Cloud Computing, Java and HADOOP & R Languages.

Professional Bodies

Our department is having two technical bodies namely ISTE which includes 49 student members and 17 faculty members and CSI (Computer Society of India) which includes 129 student members and 3 faculty This year, PyCon India celebrated the month of August advisor.

RESEARCH ACTIVITY

The Department of Computer Science at K S Institute of Technology, Bangalore strives to produce engineers of tomorrow by imparting curriculum and research methodologies in modern areas of Computer Science. The department is recognized as Research Centre by Visvesvaraya Technological University in the year 2014. A separate R&D Center is established with state of the

dynamic leadership of HOD Prof. Rekha B Venkatapura. art technology. Several scholars are engaged in The program is approved by AICTE, New Delhi, and research, leading to PhD in different Universities. Many Govt. of Karnataka and is affiliated to Visvesvaraya research projects are underway, including one that Technological University (VTU), Belgaum, Karnataka. involves the development of Hybrid Intrusion Detection Mr. Venkata Rao, Asst. Prof., has been identified as PG System funded by Vision Group on Science and Technology. The inherent challenge is to provide guarantees of privacy and survivability under malicious and coordinated adversarial attacks. Currently the It was a very proud moment for KSITians, as Pavan department is involved in developing models, techniques and tools that can improve the functionality, performance, and usability of database management and Web systems. The challenge is to enable the country. He has attended a 4-day training program technology for the information society in the area of in Pune from 28th August 2014. When asked about his Web search engines, digital libraries, data mining, distributed databases, data stream management workshops on JAVA, Basics of Android & Advanced systems and information systems for medicine and

EVENTS-CONDUCTED

Workshops



& September as Python Month, with the aim of increasing awareness and awesomeness of Python Programming Language within the student community of India. Many Python programmers report substantial productivity gains and feel the language encourages the development of higher quality, more maintainable code. A one day workshop was conducted for the students of KSIT on September 20th, 2014. The sessions were handled by Mr. Senthil Kumar working in Qualcomm as a wireless research engineer and Mr. Sharath from FSMK.



MAGAZINE

Apps Most Wanted

This magazine provides sources for recreational activities catering all ages. It opens windows to the world's greatest apps.



Dynamic Software Product Lines

It speaks about Dynamic Software Product Lines launched by IEEE. The guest editor Mike Hinchey and his colleagues discuss ongoing research at LERO, the Irish Software Research centre.

"Continue to grow and evolve."



Java Workshop

The hands on workshop which was conducted on September 21st, 2014 by the Google Core Committee was a successful event. **Karthik Kannapur**, **GDG organizer**, was the guest of the day. **Tejas Koundinya**, **ex-GSA** handled the session. The students from 3rd and 5th semester of CSE and 5th semester students of ECE & TCE took part in this event. The session was conducted to share knowledge on the **Basics of JAVA**.

Guest Lecture

SAP



SAP is at the center of today's technology revolution, developing innovations that not only help businesses run like never before, but also improve the lives of people everywhere. A new IT Technology comes like a storm destroying all the previous ones. That's why it is said, technology has a shelf life. But a technology product has made the shelf life concept almost irrelevant since it is here to stay for a long time. It can be likened to a technology storm since it has swept many a technology aside. In this regard a seminar on "About SAP" helped the 5th semester students understand about SAP and why SAP as the future of technology and career. The lecture was delivered by Mr. Manoj, CEO Connaissance IT, Bangalore on July 30th, 2014. The entire program was supported by Nagaraja Setty, Chairman of Connaissance IT, Bangalore.

PAPER PRESENTED BY FACULTY

Dr. Naveen N C, Professor and Mr. Pradeep K R, Asst. Professor presented a paper in National Conference on Technological Advancement in Computing NCTAC 2014, Title of the paper "Securing Big Data using Natural Computing Techniques" at RVCE on 25th & 26th July 2014.

EVENTS-ATTENDED

WORKSHOP ATTENDED BY FACULTY

- Dr. Naveen N C, Professor attended IEEE Authorship Workshop titled "How to publish a technical Paper with IEEE" at IISC, Bangalore on September 12th, 2014.
- Mrs. Vijayalakshmi Mekali, Asst.Professor attended workshop on "Hybrid Computing and its applications with Hands – on (CPU-GPU) in collaboration with NVIDIA" at Nitte Meenakshi Institute of Technology, Bangalore from 5th to 9th August 2014.
- Mr. Raghavendra S, Asst.Professor attended 2 days FDP on "Programming in C and Data Structures" at RNSIT, Bangalore on 24th and 25th of July 2014.
- Mrs. Sangeetha V, Asst.Professor attended 5 days
 FDP on "Computer Networking Lab using NS2 Simulator, Java Lab and Computer Programming Lab" at Sri Venkateshwara College of Engineering, Bangalore from 14th July,2014.
- Mrs. Sougandhika Narayan, Asst.Professor attended ISTE Workshop on "Cyber Security" conducted by IIT Bombay at BMSCE, Bangalore from 10th to 20th July, 2014.

ACHIEVEMENTS- Faculty

- Dr. Naveen N C, Professor was invited as a speaker for the 2 days "FDP on Computer Graphics & Open GL" on July 30th, 2014 at RNSIT, Bangalore.
- Dr. Naveen N C, Professor was invited as a speaker to talk on the topic "Programming Language Structured Query Language" on October 13th, 2014 at RNSIT, Bangalore.
- Dr. Naveen N C, Professor was invited as a speaker to talk on the topic "Business Intelligence" on October 18th, 2014 at Dr. C V Raman College of Administration and Network Sciences, Davanagere.

Students

 Shashank M and Tejas Koundinya, 7th Semester Won "VANQUISH-14" organized by the Department of TCE, KSIT, on September 12, 2014.

"Be congruent, be authentic, be your true self."

- Shashank M, 5thsemester, represented as a Brand Ambassador of Huawei club at NIE, Mysore. He conducted the event along with Mr. Wan Hong (Huawei Global ecommerce IT Director) and Mr. Huangjin (Huawei BG Cloud Department Head) discussed on the importance of smart phones and how they are changing the communication dynamics.
- Tejas Koundinya, 7th semester, Google Student Ambassador (2013-2014), was invited to the Google Student Ambassador Summit 2014, held at Infosys, Pune from 28th August,2014 as a guest speaker to speak about the success of his tenure as a Google Student Ambassador at K. S. Institute of Technology.
- Shashank M and Tejas Koundinya of 7th Semester Won "Renaissance 2014" organized by the IEEE-WIE Student Branch, Department of ECE, KSIT, on September 15th, 2014.

FACULTIES ACHIEVED 100% RESULT IN THEIR SUBJECTS

1.Mrs. REKHA.B.VENKATAPUR System modeling &Simulation (10CS82)

Computer Networks-I (10CS55)

2.Mr. K.VENKATA RAO Operation Research (10CS661)

3.Mrs. VANEETA.M Unix systems programming (10CS62)

4.Mrs. C.S NAGAMANJULA RANI Database Management System (10CS54)

Information and Network Security (10CS835

Computer Networks-II (10CS64)

Computer Graphics and Visualization (10CS65

AD-HOC Networks (10CS841)

Graph Theory and Combinatorics (10CS42)

Graph Theory and Combinatorics (10CS42)

Management and Entrepreneurship (10AL61

CLUBS



GOOGLE



5.Mrs. SANGEETHA.V

6.Mrs. P.PRIYANGA

7.Mrs. SOUGANDHIKA N

8.Mr. ROOPESH KUMAR B.N.

9.Mr. KUSHAL KUMAR.B.N

10.Mr. PRADEEP.K.R

11.Mr. PIYUSH PAREEK

HUAWEI



KSIT-GLUG

TEACHERS DAY



Principal addressed the faculty members and shared his experience as a teacher. He lauded them for being in this profession and serving the society.

PARENTS TEACHER MEETING



The parent's teacher meeting was held on October 1st, 2014. This was a one-to-one meeting of teachers, students and their parents after the first test. Dr. T.V. Govindaraju Principal/Director and Dr. Ranjana Jain, Professor and Head TPO addressed the parents and the students and presented the outlook of the events which took place in KSIT in previous semester. She also presented the scenario of current employment opportunities and the ways to get prepared to reach the expectation of industries. Later, students and parents met their mentors and learnt about the strengths and weaknesses of their wards and were advised to overcome the noticed shortcomings.

"A no uttered from the deepest conviction is better than a 'Yes' uttered merely to please, or worse, to avoid trouble."

DEPARTMENT OF MECHANICAL ENGINEERING



immense gives me an pleasure to pen down few words the college newsletter Chinthana Manthana. Today education means much more merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future

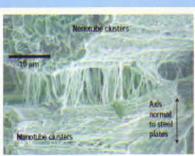
adership. Measures initiated by the Hon. Management, steps taken by the college administration, the willing contribution of the teaching and non-teaching staff and over whelming response and enthusiastic participation of our students in the college activities in the recent past all vouch for this. When all the constituents come together and work in unison, the expected results are bound to flow. I thank all those who have put their efforts to bring out the news letter with useful information. I wish the contribution and efforts grow in future also.

Dr. P M SURESH Prof. & Head

LATEST TECHNOLOGY

Carbon Nanotube 'Shock Absorbers'

"The nanoscale building blocks developed have both





micro and macro applications," said Nikhil Koratkar. Assistant Professor of Mechanical, Aerospace, and Nuclear Engineering Rensselaer. "The new systems reduce and control vibrations within structures and benefit the performance, safety, and reliability of future manufacturing equipment, sensitive laboratory equipment, and everyday electronic devices."

The Rensselaer research team, led by Koratkar, added carbon nanotube fillers to traditional vibration reduction materials to enhance their energy dissipation capability. Adding large quantities of nanoscale fillers increases the amount of surface area, and thereby increases frictional sliding that occurs at the filler-to-filler interface. The result is a decrease in vibrations.

VISION: "Inspiring Technical Education"

MISSION: "Engineering excellence through

team work."

Internships / Training

POSITIVE ASPECTS

Our department encourages students to take up various industrial training program and internships in various renowned companies like VOLVO, BOSCH & PSU's of INDIA to get trained and to have a hand on various technologies before they actually join industry.

Technical Talk

We organize various technical talk and guest lectures for students as well as for faculty members to keep them up to date about recent technologies.

Competitions

Faculty member encourages students to take part in various technical events conducted around India. The recent example of our excellence was shown in BAJA event conducted by SAEINDIA in which our college team named "REDLINE RACING" participated and successfully qualified for final round.

Department Welcomes..

- Mr. NARESH A K, Asst. Prof.
 M.TECH (Product Design Manufacturing)
- Mr. ANIL KUMAR A, Asst. Prof. M.TECH (Machine design)
- Mr. HARISH U, Asst. Prof. M.E(CAD)
- 4. Mr. MAHADEAVA M, Lecturer
 M.TECH(CAD Structure)

"Glory lies in the attempt to reach one's goal and not in reaching it."

Academic Performance

Department has achieved 100% results in 28 Subjects from all the Semesters for the academic year 2013-2014.

RESEARCH ACTIVITY

Department of Mechanical Engg is equipped with dedicated R&D Centre. The department has been recognized as R & D centre by Viveswaraya Technological University for carrying out research activities leading to M.Sc (Engg.) and PhD degrees. Presently more than 8 research scholars are pursuing their PhD degree in our research centre. Few research "AZIONARE" was one of the best events that students work include topic like NanoLubricants, Beryl Hybrid Composites, Fiber Metal Laminates, Polymer composites etc.

EVENTS-CONDUCTED

Worshops

Stem Robotics

On the 9th September, Mr. Mohan Nimbalkar, a certified

STEM consultant held a seminar on STEM Robotics. STEM is an acronym for Science Technology Engineering and Mathematics. STEM fields are collectively considered core technological underpinnings of an advanced society.

STEM education is a sequence of courses or program of study that prepares students for successful employment, that require different and more technically sophisticated skills including the application of mathematics and science skills and concepts. STEM education can be an interdisciplinary or trans-disciplinary approach to learning where rigorous academic concepts are coupled

with real-world problem based and performance-based lessons.

Azionare



witnessed in this semester with a new concept in the competition. Organized and hosted by the Team Emanation under Mechanical Department. Having three rounds which turned out to be a mix match of technical and non-technical hurdles at each round, the third round being Marketing was the fun filled tricky task for the finalists. Abhiram Jayram and Karthik from 5th sem of Mechanical department were the winners of the event.

Faculty Development Programme



Three days Faculty Development Programme on DESIGN ENGINEERING LAB-1 was organized on October 16th, 2014 for faculties and PG students which witnessed 102 participants from various colleges. Guests for the event were Dr. H V Lakshminarayana, Professor, DSCE, B'lore and Dr. T Jagadish, Professor & Head, Dept. of Mechanical Engg; BIT, B'lore. On each day first theory concept was taught followed by lab practice by Eminent Resource person Mr. Nagabhushan M, Asst. Prof. KSIT.



MAGAZINE

Control Engineering

Is the multimedia leader in editorial coverage of control, instrumentation and automation



Pumps & Systems

Is the voice of the pump and rotating equipment industry. They deliver relevant industry news coverage and powerful technical information to managers, engineers, operators and maintenance professionals around the world

"See the good in people and help them."

EVENTS-ATTENDED

Baja

The automobile savvy group of students of the mechanical engineering department has teamed up with a single mission.... To build a buggy! We call ourselves the "Redline Racing". In this event the students have to design, fabricate and validate a single seater four-wheeled off road vehicle to take part in series of events that test the vehicle for speed, agility, maneuverability, durability, etc.

After 2 months of brainstorming they rocked the virtual round held in AHMEDABAD in the first week of July 2014. Of 325 teams this group of armatures was one of the 112 to get selected to the next round. The team are now all set to build the buggy. The college management has been very supportive by generously funding the registration fees and providing for the workspace. So far SP labs and Hydrolines have been encouraging and the team has been able to kick start building the roll cage.

To make this dream come true the team is working round the clock. Racing against time the team is all bent upon standing apart in the automobile world...

Students

- Shubham Kumar Agrawal, Devendra Kumar and Ayub Alam, 7th semester has undergone vocational training in FFP, HMBP & HMTP at HEC Ltd, Ranchi and submitted a project report on Machining operation & maintenance.
- Ayub Alam, 7th semester has undergone vocational training in Rolling Mills Section at MECON Limited, Ranchi.
- Abhishek M E, 7th semester attended workshop on AUTOMOTIVE Sketching & Styling at IISc, Bangalore
- Amitesh Kumar Sinha, 7th semester has successfully completed the Railway coach Maintenance procedure training at Patna Depot.
- Souham Dutta, 7th semester has successfully completed his internship on "First Pass Yield Improvement in Manufacturing of Delivery Valve" in BOSCH.
- Tejaswini Nagesh & Prabhanjan V S, 5th semester has undergone internship at HMT machine tools.

PAPER PRESENTED BY FACULTY

 Dr. Suresh P M, Prof. & Head, published a paper on "Experimental Modal Analysis of Automotive

- Exhaust Mufflers using FEM & FFT Analyzers" in International Journal of Recent Development in Engineering & Technology, Vol 3, Issue 1, July 2014
- Mr. M M M Patnaik, Asso. Prof., published a paper on "Opto-Mechanical Design and Analysis of Mounted Off-Axis Mirrors for Space Applications", in International Journal of Research in Aeronautical and Mechanical Engineering, Vol 2, Issue 7, July 2014.
- Mr. M M M Patnaik, Asso. Prof., published a paper on "Performance Evaluation of Passenger Car Tie Rod Using Numerical and Theoretical Approach with Different Materials", International Journal of Research in Engineering and Technology, Vol 03, Issue 08, August 2014.
- Mr. M M M Patnaik, Asso. Prof., published a paper on "Study of Behaviour of Bolted Joint in Sandwich Panels", International Journal of Emerging Trends in Science and Technology, Vol 1, Issue 7, September 2014.
- Dr. Anil Kumar C, Professor, published a paper on "ANTI-WEAR BEHAVIOUR OF PLASMASPRAYED ALUMINA & ZIRCONIA COATINGS ON ALUMINIUM 7075-T6" in International Journal of Technical Research and Applications, Volume 2, Issue 4 (July-Aug 2014)
- Dr. Anil Kumar C, Professor, published a paper on "CERAMIC COATING [TIO2-ZRO2] ON ALUMINIUM 6061T6 FOR ANTI WEAR PROPERTIES" in IJRET: International Journal of Research in Engineering and Technology Volume: 03 Issue: 07 | Jul-2014
- Dr. Anil Kumar C, Professor, published a paper on "Mechanical Characterization and Analysis of Perforated Fiber Metal Laminates" in International Journal of Engineering Trends and Technology (IJETT) – Volume 13 Number 1 – Jul 2014.
 - Dr. Anil Kumar C, Professor, published a paper on Synthesis, Characterization and Anti-Wear Properties of CuO-ZnO Nano lubricant in International Journal of Innovative Research in Science, Engineering and Technology Vol. 3, Issue 6, June 2014.
- Dr. Suresh P M, Prof & Head, Dr. Anil Kumar C, Professor, published a paper on Tribological Behaviour of Plasma Sprayed Al2O3-TiO2 Coating on Al-6082T6 Substrate in International Journal of Innovative Research in Science, Engineering and Technology Vol. 3, Issue 6, June 2014.

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FACULTIES ACHIEVED 100% RESULT IN THEIR SUBJECTS

1. Dr. Suresh P M	10ME72-Mechanical Vibrations 10ME82-Control Engineering	9. Mrs. N Sree Sudha	10ME61Computer Integrated Manufact 10ME71-Economics
2. Dr. C Anil Kumar	12MMD333 - Design for Manufacture 12MMD21-Composite Materials Technology	10. Mr. Santosh C	10ME661-Theory of Elasticity 10ME831 – Tribology
3. Prof. B V Srinivasamurthy	10AL51-Management&Entrepreneurship 10ME74-Operations Research	11. Mr. Murlidhar K S	10ME53 - Energy Engineering
	10ME81-Operations Management	12. Mr. Jayaprakash J K	10ME55 - Manufacturing Process - III
4. Prof. M.M.M Patnaik	10ME761-Experimental Stress Analysis 10ME82-Control Engineering 12MMD31 - Tribology & Bearing Design	13. Mr. Manjunath B R	10ME73-Hydraulics and Pneumatics 10ME844 - Automotive Engineering
5. Mr. Nagabhushana M	10ME36A-CAMD	14. Mr. Mallikarjuna M R	10ME831 – Tribology
6. Mrs. L Nirmala	10ME665- Non Traditional Machining	15. Mr. Ranganath N	10ME844 - Automotive Engineering
7. Mr. Abhishek M R	12MMD321 -Fracture Mechanics	16. Mr. Yogendra Mahajan	10ME55 - Manufacturing Process - III
	10ME61Computer Integrated Manufacturing 10ME71-Economics		

CLUBS

SAEINDIA-KSIT



EMANATION



Society of automotive Engg stimulates student's Team Emanation provides platform to students to student member and 3 faculty member. Under the students. constant guidance and leadership of our beloved They are also responsible for bringing out department Principal Dr. T V Govindaraju, Head of department Dr. newsletter once in a semester. The dream of emanation Suresh P M , Asst. Prof. Mr. Nagaprasad K S & Asst. would have remained a dream without the constant Prof. Mrs. Sreesudha N, this team has qualified for support and guidance of Prof. B V Srinivasa Murthy & Final round of BAJA INDIA.

participants in projects that require the application of express themselves with the help of various events Engg. knowledge and promote professional growth, conducted by them. This team is solely responsible for They help students in up bringing their hidden talent by organizing technical / non technical event, various organizing competition like BAJA, SUPRA etc. It has 79 competitions and bridging the gap between industry and

Asst. Prof. Mr. Umashankar M.

DEPARTMENT OF ELECTRONIC AND COMMUNICATION



Time and tide waits for no man, LATEST TECHNOLOGY hence we must compete with extraordinary products from pleasure and honor to pen down the departments travails. Along with highly qualified doctoral staff and post graduates, department is

committed and dedicated to build best electronics graduates who are inbuilt with good foundation in gineering along with a clean vision of their goal and mission, and in turn they must be highly resourceful to society and help in building a better India. It is also my pleasure to quote here that my students have excelled in technical, cultural and sports activities. My students posses ability to adapt to the rapid changing scenario in Electronics domain. Wishing them all the very best.

> Dr. PN SUDHA Prof. & Head

VISION: "Knowledge for excellence"

MISSION: "To prepare highly dedicated and committed professionals in grained in creativity and ptability ."

Department Welcomes..

1. Mrs. Jayanthi M, Asst. Prof.

M.Tech (Communication System), (PhD)

2. Mr. Parameshachari B D, Asst. Prof.

M.Tech (Digital Communication) ,(PhD)

3. Mrs. Prathima B A, Asst. Prof.

M.Tech (Industrial Electronics)

4. Mrs. Pragathi P, Asst . Prof.

M.Tech (Digital system and computer electronics)

5. Mr. Karthik B R, Asst . Prof.

M.Tech (VLSI and embedded systems)

6. Mrs. Supriya P, Asst. Prof.

M.Tech (VLSI)

7. Mrs. Anitha Senthil Kumar, Asst. Prof.

M.Tech (VLSI and Embedded systems)

8. Mrs. Sahana Salagare, Asst. Prof.

M.Tech (Information and Communication Theory)

ourselves and try to develop Chaotic Maps for Biometric Template Protection

innovative ideas. I take immense Information security and ensuring personal privacy are growing concerns in today's society. Current authentication schemes use tokens and passwords but this does not really distinguish between authorized users and persons who are in the unauthorized possession of the token or password. Biometric authentication promises to overcome these problems. Biometrics refers to the automatic identification (or verification) of an individual (or a claimed identity) by using certain physical or behavioral traits associated with the person viz. fingerprints, hand geometry, iris, retina, face, vasculature patterns, signature, gait, palm print, or voice print. Biometric authentication systems are commercially spreading, after years of research have proven them to be suitable for large scale authentication systems recent one being its usage in the Aadhar card or the Unique Identification card for the citizens of India. But some of problems concerned to conventional biometrics are: Biometrics is not secret: Biometrics (even fingerprints)

can be recorded and misused without a user's consent.

Biometrics cannot be revoked or cancelled: Biometrics is permanently associated with a user.

A compromised biometric is forever compromised: All applications that use the biometric are compromised.

Cross-matching can be used to track individuals: A user can be tracked if organizations share their databases.

"Cancellable Biometrics" is one of the original solutions to address these concerns. Instead of storing the original biometric, the biometric is transformed using a one-way function. This transformation can be in the signal domain or the feature domain. This preserves privacy since it is impossible (or computationally very hard) to re-cover the original biometric from a transformed version. It also provides revocability since a compromised biometric can be re-enrolled using another transformation. The crossmatching between databases prevents because each application uses a different transformation.

A new approach to Cancellable Biometrics based on chaotic maps which are known to posses desirable properties of pseudo randomness, high sensitivity to initial conditions and very large key space can be used to address these concerned to conventional biometrics.

"A coward is incapable of exhibiting love; it is the prerogative of the brave."

POSITIVE ASPECTS

Research Activities

The department of Electronics and communication has Inauguration of KSIT-IEEE-WIE AFFINITY GROUP primary function of the R & D group is to discover and held on 15th September, 2014 on the occasion of create new knowledge about scientific and technological topics for the purpose of uncovering and enabling the development of valuable electronic products, processes, services. The main objective of the R & D cell is to support all the aspiring candidates pursuing PhD under VTU.

VTU MISSION EMPOWER 10000 INITIATIVE (ESD)



industry relevant skills into VTU 's young engineers and on Embedded C, LINUX & device-drivers in the Followed by the inauguration, technical event called subsequent weeks. Students were given opportunities Renaissance was conducted. to participate in Placement activities conducted during Renaissance the fourth week of the training.

A project titled optical character recognition of event Renaissance was organized by the IEEE-WIE Devanagari Scripts was carried out by Abhijit M Rao, Abhishek N S, Indrajith B & Likith S M K was sponsored by Vision Group on Science and Technology under the guidance of Mr. Sudarshan B , Asst. Prof. KSIT

EVENTS-CONDUCTED

started its own Research and Development Group. The inaugural function of KSIT-IEEE-WIE AFFINITY group was



Engineers day. The mission of IEEE WIE is to facilitate the global recruitment and retention of women in technical disciplines. IEEE WIE envisions a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity. It is the largest international professional The mission has the ambitious plan of embedding organization dedicated for promoting women engineers and scientists and inspiring girls around the world to enabling them in their pursuit of professional careers. follow their academic interests to a career in The program also has the lofty agenda of augmenting engineering. The chief guests were, Dr. Shiva domain knowledge, soft skills, relevant competancy and Yellampali, IEEE student activity co-chair and Dr. leadership skills. As a part of the program, industry Preeta Sharan, the chair of SIGHT (Special Group of specific training on Analog electronics was given in the Humanitarian Technology). She delivered the keynote first week, followed by Digital electronics in the second address regarding the benefits of joining IEEE -WIE week, Soft skills training was given during the third AFFINITY group. Dr. M J Shanti Prasad, Prof, KSIT, IEEE week of the training. Hands on experience were given branch member delivered the welcome address.

On the occasion of Engineers day a technical mega-

MAGAZINE

PHOTONIC SPECTRA

This journal covers topics related to bandwidth demands to drive fibre optics advances, applications expand for photon counting.



ELECTRONICS FOR YOU PLUS+

Over the last four decades the EFY group has become synonymous with information on cutting edge technology It is a magazine for electronics fraternity

"An eye for an eye will make the whole world blind."

Students from various colleges ACHIEVEMENTS - Faculty Affinity group. participated in the event. The event helped the students to improve their knowledge related to the modern technical affairs, communication and organizational skills. About 202 teams registered and 177 teams participated. The event had four rounds: technical guiz, paper art, tech hunt and technical solution round, where the contestants were supposed to give solution to a real time problem.

International Conference on Advanced Trends in VLSI and Signal Processing

The Department of Electronics and Communication Engineering organized Second International conference on advanced trends in VLSI and signal processing for two days from 13th August, 2014. The Department received papers from various parts of the country and papers were selected after thorough review. This conference mainly aimed in bringing engineers and the academicians to provide insights to address these challenges through their talks and in depth discussions. Thus the conference provided an ample opportunity to interact with internationally acclaimed professionals in various fields. Dr. R Manjunath Senior domain scientist. Philips India Ltd and Dr. Kanverjeet Singh, CEO, Tejas Networks were the chief guests. Followed by the invocation was the welcome speech addressed by Mr Sangappa, Prof. & PRO. Dr. R Manjunath, Domain Specialist, PHILIPS India LTD; & Mr. Shridhar H Rangarajan, senior engineer IBM enterprise senior division, B'ore delivered the keynote address.

Guest Lecture

Synopsis organized Synopsys' University Symposium 2014 for the academicians of various universities held on October 10th at ITC My fortune, Bangalore. Mr. Praveen A Asst. Professor and Mr Karthik B R Asst. Prof., attended this guest lecture. The program was attended by faculties and research scholars from various universities, South Region. The highlights of the program were new challenges and opportunities in Custom Design Implementation, Layout and Device Modeling. The program mainly provided an exposure to Synopsys TCAD tool. The symposium gave an exposure to the latest FACULTIES ACHIEVED 100% RESULT IN THEIR SUBJECTS design automation solutions, methodologies standards.

- Mrs. B Surekha, Associate Professor, chaired the session on Signal Processing at 2nd National Conference on Advanced Communication, VLSI Design and Signal Processing (NCCVS-14). organized by the Department of Electronics and Communication Engineering, KSSEM, Bangalore, on 15th May 2014.
- Student Project entitled "LEG EXOSKELETON", guided by, Mrs. B Surekha, Associate Professor, got selected as one of the top 10 finalists out of more than 2000 registrations in Quest Ingenium 2014, held in June 2014, Bangalore.
- Mrs. Prathima B A Asst. Professor, Department of Electronics and Communication has contributed in performance improvement projects in multi core processors in optimizing speeds of trackers and checkers for Intel India Limited. She has undergone several trainings like Specmen from Cadence, Embedded Systems from IISC, VHDL and FPGA's from NITK, Surathkal. She has also conducted several development programs and student workshops using her industry knowledge to bridge the gap between industry and academics.

PAPER PRESENTED BY FACULTY

- Mrs. Prathima B A, Asst. Prof. presented and published papers on "RANA methodology for pre silicon Validation of Multi core Processor" in Intel's technology forum.
- Mrs. Anitha Senthil Kumar, Asst. Prof. presented a paper on "Design of Command Generator for LPDDR2 Memory Controller" in ICAVSP-14 held at KSIT B'lore.

Students

In a technical symposium held at SDM College of Engineering, Ujjere, Anirudha Rajendra and Arvind B Baliga won the first place in paper presentation. Deepthishree and Arvind B Baliga won the second place in Electronic Quiz. Arvind B Baliga also bagged the first place in Mock Press and which was an entrepreneurial event.

- 1. Mrs. Surekha B 10EC832 - Network Security
- 2. Mr. Sudarshan 10EC82 - Digital switching system

DEPARTMENT OF TELECOMMUNICATION



I take immense pride and honor to pen down efforts of the Telecommunication Engineering Department for the college news letter. I would like to put on records about the achievements of staff and students. I would also like to add about workshops and conferences

conducted to induce conducive learning and other positive aspects of the department. I would like to extend my kind regards to the Editorial team for their efforts in bringing up the news letter and providing highest form of recognition to staff and students. At last, I hope the readers keep up the good spirits in which the news letter is published.

CHANDA V REDDY Prof. & Head

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

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

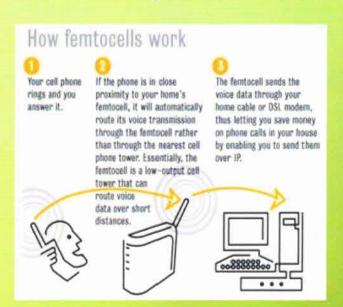
Department Welcomes..

- Ms. Devika B, Asst. Prof, M.Tech (Digital Communication)
- 2. Mr. Raghu K, Asst. Prof, M.Tech (Signal Processing)
- Ms. Supriya V, Asst. Prof, M.Tech
 (Digital Electronics and Communication)

LATEST TECHNOLOGY

A New Era in Telecommunication

Telecom technology is changing our lives in ways we did not envision. Today, efficient packet switched networks carry media packets (voice, data, and video) to intelligent mobile devices that users carry everywhere. The past 50 years have witnessed a migration from traditional telephony networks to telephony networks based on an IP backbone and the cloud. Today's telecom technology can be effectively divided into three streams—networks, devices, and applications. Following the evolution of each stream provides background and context for understanding what the future holds.



Femtocell

In telecommunication, a femtocell is a small, low-power cellular base station, typically designed for use in a home or small business. A broader term which is more widespread in the industry is small cell, with femtocell as a subset. It connects to the service provider's network via broadband (such as DSL or cable), current designs typically support two to four active mobile phones in a residential setting, and eight to 16 active mobile phones in enterprise settings. A femtocell allows service providers to extend service coverage indoors or at the cell edge, especially where access would otherwise be limited or unavailable. Although much attention is focused on WCDMA, the concept is applicable to all standards, including GSM, CDMA2000,

"Without action, you aren't going anywhere."

POSITIVE ASPECTS

- students.
- research activities.
- Motivating the students to present their ideas in various technical events.
- Encouraging the students to participate and coordinate for departmental activities.
- producing rank holders year by year since 2008.

Professional Bodies

Staff and students of the department are the active members of IEEE & ISTE. Also the department is encouraging the students to enroll in other professional bodies such as IETE, IEI etc.

RESEARCH ACTIVITY

Students have started working on mini projects with new ideas in various fields like communication, signal processing etc. which they have presented the paper for the same in the National Conference on "Innovations in Communication and Computation" held at KSIT, B'lore, and the same was published in proceeding of Tantragnaana-3.

The department has well established labs for A Guest lecture on Data Communication & Innovation by Mr. Akhil Bharadwaj, Associate Technical Solution More than 70% of the faculties are involved in Engineer from Akamai Technologies was organized for 5th & 7th semester students on 20th September 2014. This lecture mainly focused on web addressing as how the required website is connected through different stages of Routers, Mappers, Clients and Servers. The talk The department maintained its academic profile by extended to career development activities like internships, projects, paper presentations and a view of industrial proceedings. The talk ended with a metaphor "Thinking outside the box" motivating students to bring up their knowledge to a new innovative ideas to implement.

Seminar

Guest Lecture



A Seminar on "Vedic Approach to Modern Engineering VIVEDA" conducted by Mr. Vijay V. Rao, Asst. Prof. TCE was held on 27th Sep 2014 for 3rd & 5th Semester students. The main objective of VIVEDA is to the modern scientific challenges and facts using ancient and traditional knowledge. This concept concentrates on history and incidents which reveals the modern scientific truth. The student co-ordinators who are involved in this seminar are Rakshith V., Nishith H M, Pruthviraj R, Pavan Kumar R. G., Nandishwar C. from 5th Sem. This Platform is open for all the students.

EVENTS-CONDUCTED



MAGAZINE



Telecom Asia Telecom Asia, which was launched in 1990, and a series of supplements and special sections, including Mobile Internet, Carrier Ethernet, Billing & OSS and Telecom CEO. Telecom Asia is the market-leader in the region, reaching 15.007 service providers and enterprise users across the region each issue.



Wireless Week Wireless Week is the brand that digs deeper, explains the relevance and significance of emerging industry developments and trends, and provides thoughtful insights. With Wireless Week, your products and technologies remain top of mind with these professionals through our content-rich information delivery channels.

"Be the change that you want to see in the world."

National Conference



National Conference on "Innovation in Communication and Computation" (NCICC) was organized by our Department of TCE on 18th October 2014. The NCICC mainly focused on innovations in latest technologies in the field of Telecommunication. Papers on Networking, Embedded System, Communication and likewise was presented by various delegates from different colleges. The event was presided over by Honorable Chief Guest Shri. Ramachandra Kuloor, Retd. Senior Scientist LRDE B'lore & keynote speaker Mrs. Kalpana Arvind, Head Instrumentation dept. ISRO. There were three sessions. The conference was concluded by a valedictory ceremony in which best paper of the conference was awarded.

VANQUISH -14 "Where Survival is to mainstream".



It is an event which was conducted to celebrate the Engineer's day to mark the birth anniversary of Sir. M. Visvesvaraya. It was the clubbed event of both technical and non-technical rounds. The event was first of its kind consisting of rounds like Quiz, Bounty hunt, Pic-crash & Jack of All. Winners were rewarded for their efforts.

EVENTS-ATTENED

Technical Talk

Mrs. Ramya S, Asst. Prof. has attended a talk on "Preparation of Research Proposals" held on 23rd.

September 2014 at VTU Regional office, Bangalore. This talk basically focused on funding of research projects.

Workshop

Ms. Supriya V, Asst. Prof. attended a 2 day workshop on Labview conducted by National Instruments held on 4th & 5th September at KSSEM, B'lore. This workshop focused on labview software which is ideal for any measurement or control system. Here all the tools are integrated so that Engineers and Scientists can build a wide range of application in less time. Labview is development environment for problem solving, accelerated productivity and continual innovation.

PAPER PRESENTED BY FACULTY

- Mrs. Chanda V. Reddy, Prof. & Head, has published a paper entitled "Estimation of SNR MSE & BER with incremental variation of power for wireless channel" in IJERT volume 3, issue 14 in the month of July 2014.
- Ms. Supriya V. Asst. Prof. has published a paper entitled "Feedback and Feed-forward Timing Recovery Algorithms for MSK" in IJERT volume 2, issue 14 in the month of July 2014.
- Achievements Faculty
- Mr. Vijay, Asst. Prof. is serving the Editorial Board as a Reviewer in international journals "IJSER" and "IJEDR".

PAPER PRESENTED BY STUDENTS

The following students of TCE have presented the papers in National Conference on "Innovation in Communication and Computation" held on 18th October, 2014 at KSIT.

- Seema K S, Sushmitha M, Sindhu B N & Sudhashree
 N have presented the paper on Survey on MIMO
 Technology .
- Ramalakshmi G, Ramya S, Megha B & Akshitha Raj
 B N have presented the papers on Memristor.
- Aditya P, Saumya G & Shashank M have presented the paper on Future Housing.
- Bhargavi A Hegde & Rajashree have presented paper on A Survey Paper on ECGData Compression techniques.
- Nishith H M , Pavan Kumar R G & Pruthviraj R have presented the paper on Implementation of DSBSC &

"The weak can never forgive. Forgiveness is an attribute of the strong."

KSIT-Newsletter

- Meghashetty, Nikhil Rajath & Rohith have present ed the paper on Design of FIR Least square inverse filter.
- Janani V Kulkarni has presented paper on SSB-SC
 Modulation and Demodulation using Lab View.
- Rashmitha Prabhu R & Sahana H B have presented paper on Review on Artificial Retina using thin Film Transistor Driven by Wireless Supply.
- Manjunatha R, Jeevan Prasad H N & Akshay have 2. Mr. K Senthil Babu presented a paper on B.P Automatic Traffic control system using edge detection.
- Arpitha K S & Rekha L have presented the Survey Paper on Hand Gesture Recognition.
- Nandishwar C & Rakshith V have presented the 4. Mrs. Bhavya R paper on Study on Energy and Power Comparison of 5. Mr. Vijay V DSDV and AODV in Mobile ADHOC Networks.

Rakesh S, Vikas Nag P, Sathya Pramod Bhat M N & Pavan Kashyap have presented the paper on Design and Maximum Reach Analysis of a Single leg for a Hexapod System.

Rashmitha Prabhu R & Sahana H B have presented FACULTIES ACHIEVED 100% RESULT IN THEIR SUBJECTS

1. Mrs. Chanda V Reddy Fuzzy Logic (10TE836)

. Mr. K Senthil Babu Optical Fiber Communication (10TE72)

3. Mrs. Rekha N Digital Switching System (10EC55)

GSM (10TE82)

Information Theory Coding (10TE65)

Mrs. Bhavya R Basic Electrical Engg (10ELE25)

Microwaves & Radars (10TE64)

Congratulations



Mr. Raghu K, Asst. Prof., has secured 1st rank in Digital Signal Processing in M.Tech under VTU for the year 2014, with 90%.



Vismitha Mahesh, 7th semester secured All India Ranking-30 for her article in "E-Books of DELL Campus Writers Internship Mission-4".

CLUBS



IEEE



IETE

ISTE



K. S. Institute Of Technology, B'lore has been identified as "Best Students Chapter of ISTE Karnataka Section" Award 2014 on the basis of activities carried out during the year-2014. Congratulation to all ISTE members who made this possible.

"A man is but a product of his thoughts. What he thinks he becomes."

DEPARTMENT OF BASIC SCIENCE & HUMANITIES



"As oxygen is an essential element for us to survive, Basic Science Department is the oxygen for all Engineering streams. This department is a seed which branches out into different streams. Basic Science has a

strong motto of inducing life in the life of budding engineers. The seed which is equated to the basic science emerges out to various branches in engineering which ultimately provides multiple fruits i e successful students in their career."

The department has all the necessary infrastructure in terms of lab and required equipments that is needed for the students to conduct experiments as per the syllabus prescribed by the VTU, Belgaum.

Dr. K R JAYAKUMAR Prof. & Head

VISION: "To nurture and foster the everlasting

human values and ethics and to imbibe the same to the budding engineers."

MISSION: "To imbibe the ethical values to be in the business and abide in letter and spirit the basic ethics."

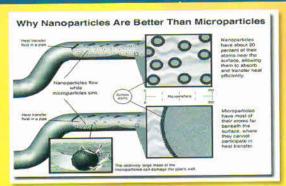
Department Welcomes..

Praveen C Jois M N, Asst. Professor M.Sc in Physics

LATEST TECHNOLOGY

NANOFLUIDS

A Nanofluid is a fluid containing nanometer-sized particles, called nanoparticles. These fluids are engineered colloidal suspensions of nanoparticles in a base fluid. The nanoparticles used in nanofluids are typically made of metals, oxides, carbides, or carbon nanotubes.



Common base fluids include water, ethylene glycol and oil. Nanofluids have novel properties that make them potentially useful in many applications in heat transfer including microelectronics, fuel cells, pharmaceutical processes, and hybrid-powered engines, engine management, domestic thermal cooling/vehicle refrigerator, chiller, heat exchanger, in grinding, machining & in boiler flue gas temperature reduction. They exhibit enhanced thermal conductivity and the convective heat transfer coefficient compared to the base fluid. Knowledge of the rheological behavior of nanofluids is found to be very critical in deciding their suitability for convective heat transfer applications.In analysis such as computational fluid dynamics (CFD), nanofluids can be assumed to be single phase fluids. However, almost all of new academic papers use twophase assumption. Classical theory of single phase fluids can be applied, where physical properties of nanofluid are taken as a function of properties of both constituents and their concentrations. An alternative approach simulates nanofluids using a two-component model.

ACHIEVEMENTS - Faculty

- K R Jayakumar, A H Srinivasa and A T Eswara -"Mixed Convection flow over a vertical cone with an applied magnetic field", Mapana J Sci,II(2013) PP104-111.
- Kiran Kumar S R "Hydrothermal Synthesis Of Hierarchical Copper Oxide nanoparticles and it's potential application as adsorbent for Pb(II) with high removal capacity-Separation Science and technology"ISBN No 978-81-924726-2-1.

"I will not let anyone walk through my mind with their dirty feet."

Anuradha M V and Brijesh Singh- "Employee Engagement-A study of employee of Banks of Bangalore city"- Published in EPRA International Journal of Economic growth and Environment issues. ISSN 2321-6247(Annual Journal May-June 2014-15) PP 24-29

PAPER PRESENTED BY FACULTY

- K R Jayakumar and A T Eswara –"Laminar boundary Layer Flow with an exponentially decreasing velocity distribution and applied magnetic field"-26th International Conference of Jangeon Mathematical Society, South Korea, Held at Acharya Institute of technology, Bangalore.
- Kiran Kumar S R "Adsorptive removal of Hg(II) ions from aqueous solution on Nio Nanoparticles prepared from Hydrothermal method: Equilibrium, Kinetics and Thermodynamic study- International Conference on Nano Science and Engineering Applications(ICONSEA-2014), Bangalore.
- Anuradha M V and Brijesh Singh- "A study on Occupational stress experienced by the industry employees in Kannur and Cochin districts of Kerala state"-National Conference on recent trends in management ISBN No. 978-93-517437-9-8

ALUMNI MEETING



The first KSIT alumni's meeting was held on July 19th, 2014. The need for alumni association and objectives of the same was presented. The principal addressed the students and briefed about the plans and programs planned for the KSIT alumni association and appealed to the alumni's to become the executive members of association and help in pursuing activities of association. The second alumni meeting was held on August 9th, 2014, based on alumni nominations 20 executive members were selected. As core constituents, alumni were well informed to have an influential voice and stake in their college. Their aspiration is to be influential and foster positive change. It is vision focused, growing in capacity to serve and engage.

BLOOD DONATION CAMP @ KSIT



As a part of social service "BLOOD DONATION CAMP" was organized in our college campus in association with Rotary club & Indian Red Cross Society on October 31, 2014. A total of 340 students donated their blood for noble cause.

LIBRARY

LIBRARY AND INFORMATION CENTER



Dr. V. Bharathi M. LISc., M. Phil; PhD Chief Librarian

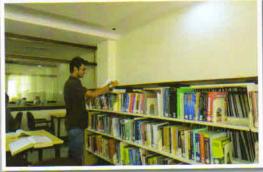
VISION: "Excellence in access to the Knowledge and Information"

MISSION: "To provide continuous access to the knowledge and Information in the Library to the students and faculty of the Institute for achieving Excellence in their chosen Disciplines."."



Library occupies a place of pride in K.S. Institute of Technology and is an essential component of the Institute outstanding educational activities.

It is very spacious, comfortable and provide friendly environment that enables learning and advancement of knowledge. To meet the needs of users the library has reference service, book bank service, inter library loan service, User awareness service and Digital library service. The library remains open on all days from 8 AM to 9 PM except on holidays. Library is equipped with reading room in which students can spend their leisure time by studying & reading various journals, magazines etc.



At present library has a collection of about 34000 volumes comprising of books bound volumes of Journals, reports and other reading materials, subscribed more than 2400 of electronic and print journals. This collection is regularly updated with latest publications on demand and suggestions of faculty and students.



The reference service helps users to make full use of library resources and services. The Digital Library had adequate computing facility to access online resources. The entire library collections can be searched through online public access catalogue (OPAC). The library maintenance a good collection of CD's and DVD's for use within the library premises. Using D-space software the library maintenance institutional repositories. The audio visual section facilitates with

CD's and DVD's which helps students and staff to empower themselves by listening to technical lecturers of eminent Professors of IIT's and IISc. The library maintains excellent resource sharing relationship with a large number of other institutes through DELNET to exchange copies of documents which can benefit students and faculty.

"Strength does not come from physical capacity. It comes from an indomitable will."

TRAINING & PLACEMENT CELL



hereby take opportunity to thank the editorial team of college newsletter Chinthana Manthana for bringing such a informative news letter. I am sure this edition of news letter will give vou sufficient information about

ongoing activities in college and ability and quality that our students posses.

> Dr. RANJANA JAIN Prof. & Head

Sustained and Symbiotic Engagement with leading Institutions and also to get valuable inputs, suggestions and feedback. Dr. Ranjana Jain. Head Training and Placement Officer attended the

- Tech Mahindra had felicitated Dr. Ranjana Jain, Head Training and Placement Officer in the Placement Officer meet for conducting various off campus recruitment drive of Tech Mahindra at KSIT and always extending the continuous support
- Training and Placement Officer meet of L and T Infotech of selected Engineering Colleges held on 18th July 2014 at L and T Infotech Office at White Field. Head Training and Placement Officer Dr. Ranjana Jain attended the meet and shared the views of KSIT for Campus selections and understood about the Campus Hiring needs / process for FY 2014-2015.

L&T Infotech Overview & Recruitment Readiness on 27th August 2014

VISION: "Sustained Excellence in Employability."

MISSION: "Shaping the future".



- NTT DATA Global Delivery Services Pvt .Ltd Placement Connect Meet for selected colleges across India on 15th July 2014 at their premises in Bangalore. Dr. T. V Govindaraju, Principal/Director, KSIT, B'lore and Dr. Ranjana learned lot about the campus selections. Jain, Head Training and Placement attended the session and were facilitated with an award. NTTDATA Global Delivery . Services Limited have recognized and honoured KSIT as a Gold Partner due to their support and commitment. Mr. Ravi Kumar, Senior Vice President NTT DATA Global Delivery Services Limited, Bangalore Presenting the Awarded as a Gold Partner for NTTDATA.
- Tech Mahindra had Conducted Placement Officer meet of selected Engineering Colleges of India on July 16, 2014 at Tech Mahindra Electronic City Office. As an Industry Institute Interaction -In-Dialogue session has been arranged to ensure a



L and T Infotech organization launched new initiative to establish and sustain relationship with Academic institutions. This initiative focuses on developing IT Talent Pool through various activities along with academia partnership. To take it forward L and T Infotech Conducted Overview and Recruitment Readiness Program for our final year students. All the final year students attend the same.

Mr. Prasant Karandikar, Head, Strategic Resourcing Group, L and T Infotech, Bombay conducted the session. Students had undergone MOCK INTERVIEW, GDS and PERSONAL INTERVIEWS session and

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, Soft Skills and Verbal ability skills to have a 360 degree enhancement in LSRW [BEC Standards]. We have hosted an online LMS to help students enhance their problem solving and verbal ability skills. Students of 7th & 5th Semester have undergone for the training program from 22rd July 2014 to 28th July 2014.

Highlights of the programme 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 8000 unique questions
- 7)Certification
- Online Assessment Test for Campus selection On every Monday students of 7th Semester undergo Online Assessments at our Online Examination Lab exclusively designed for Online Assessments and so far have solved more than 30000 questions to crack the aptitude test of top most companies.
- Company Specific Training for Campus Selection was organized for
 - 1) Infosys 26th & 27th September 2014
 - 2) NTTDATA 1st October 2014
 - 3) TechMahindra 14th October 2014
 - 4) L and T Infotech 16th Oct 2014
- Infosys Conducted Pool Campus Recruitment Drive on 29th & 30th September, 2014 for 2015 batch students at Acharya Institute of Technology Bangalore and K. S. Institute of Technology Bangalore.62 students got placed in the Infosys from 2015 batch of KSIT.
- NTTDATA conducted on campus recruitment drive on 2nd & 7th October, 2014 at KSIT for 2015 batch students. 25 Students bag the offer.
- TECH MAHINDRA conducted on campus recruitment drive on 15th October, 2014 at KSIT for 2015 batch students.
 25 Students bag the offer.
- L & T Infotech Conducted the Campus Recruitment 2)
 Drive on 17th August, 2014 for 2015 batch students.
 Students from various colleges participated for the



same along with KSIT. 27 students of KSIT bag the offer.

- IBM Conducted on Campus recruitment drive on 18th October, 2014 at KSIT for 2015 batch students.
 5 Students bag the offer.
- Campus Induction programme was arranged for 1st semester students on 2nd & 4th August, 2014. Students actively participated and have a gained confidence to face challenges ahead. Training programme was very helpful for students to develop their self esteem and communication skills, Student who wants to grow, develop and become more employable for a effective career.

Industry Institute Interactions- MOU's

- Quantech Origin for Learning Management System and Lifeskills @KSIT
- 2) Cocubes for Carrier Diagnostics Test, Technology Platform and Placement Assistance.
- 3) Tiny Chips- Embedded Design Training
- 4) UTL Technology Embedded Design Training
- 5) Aspiring Minds- For AMCAT TEST and Placement Assistance
- 6) Fresher's World Com -For Campus Placements
- MOU's with Corporates: For Various Online Examination and Providing Platform for the Students to Pursue Higher Education.
- 1) KSIT has entered into a MOU with Merit Trac. Ltd Services Pvt. to conduct the Various Online assessment exam like SMU examinations, NIMHANS PG Entrance Test, All India CAT Examination, PSU assessments, etc.
- KSIT has tied up with Siffy Technologies Pvt.Ltd. to conduct their screening process on behalf of various clients. So far we have conducted various assessment tests.
- 3) KSIT has tied up with **TCS-ion** to conduct various on -line assessments for their clients viz., GATE, IBPS, J2EE, AIEEE, LIC, UII, SBI, CMC Vellore, AIIMS, JIPMER assessments, etc.
- 4) KSIT has tied up with Eduquity to conduct various online assessments for their clients such as HAL, CMC Vellore, JIPMER assessments, etc.
- KSIT has tied up with Q-Spiders and J Spiders to conduct various Campus Recruitment Drive for various companies

SOME PROMINENT DRIVES @ KSIT













"Dictionary is the only place where success comes before hard work. Hard work is the price we must pay for success."

PLACED STUDENTS

Infosys









Jahanavi, MECH





Nischitha, TCE



Sanjay C, ECE







Akash, ECE



Nandini, ECE







Deepthi-ECE



Dilisha-CSE



Sarayu, CSE



Tejas K, CSE



Jahanavi, ECE



Abhiram, MECH Abhishek, ECE





Sowmya, TCE



Sukrutha, CSE



Megha, ECE



Bharath, MECH Arvind B, ECE











Anusha K A, CSE Shubham, MECH







Sourabh, MECH





Vamshi-MECH







Manoj R, MECH



Nutan, ECE







Shashank, MECH Puneeth, ECE







Pavan S, CSE





Ganesha, MECH



Gautham, MECH Swetha S, CSE Vinay R, ECE







Shwetha S, CSE













Prajwal, MECH



Shrutha, CSE Yathin, MECH





Vinay, MECH



Varsha, ECE



Chaitra, CSE



Prajwala K, TCE

OF 2014-15 BATCH

NTTData











Sathya-TCE KrishnaMurthy,TCE Ramya-ECE











Shruthi.G, CSE





Saumya,TCE Ramalingesh, ECE Nikitha, ECE







Shwetha, ECE





Anirudh, ECE



Anusha, CSE



Bhargavi, CSE



Nitya, CSE



Jeevitha, CSE





Thejaswini, ECE



Sandesh, CSE





Sheetal-CSE



Shashank-CSE



Shubha-ECE Anushree-TCE





AND MANY MORE...





Ujjwal, CSE



Aishwarya, ECE



Harini J, ECE



Apoorva, TCE



Akash, ECE





Komala B E, CSE Manasa, CSE



Nisban, TCE



Sandeep, TCE





Aashitha, TCE



Sravani, ECE



Anurag, ECE



Indumathi, CSE

AND MANY MORE ...



SPORTS







Badminton

Intra College Badminton Tournament 2014-15 was organized at K.S.I.T. Students from all the branches actively took part in it. More than 70 teams of Boys and girls participated in the tournament. A great amount of talent and sportsmanship was displayed by students. The result of the tournament was as follows:-

Boys:-Harsh Singh & Suresh K of 5th Sem.

Girls: - Ritu P Simha & Pooja P G of 1st Sem.

Throwball

VTU Inter collegiate Throwball competition 2014-15 was held at Sai vidya institute of technology (SVIT) where our college team participated and won against KIT Tiptur & BMSCE B'lore.

Cricket

College team participated in cricket tournament organized by MSRIT and won the match against MSRIT.

Swimming

VTU Inter collegiate swimming competition 2014-15 was organized by MSRIT, B'lore at Ramakrishna Hegde swimming pool on September 10th 2014. Our college team actively participated in it which comprises of 5 Boy's & 1 Girl.







INDUSTRIAL VISIT



To understand the current industrial trends and policies the management provided an opportunity to the students of our college, to visit the industrial exhibition cum expo held at Tumkur road, Bangalore on September 12th, 2014. Students of 5th semester belonging to all the branches of engineering courses lead by a group of our faculty from Computer Science

department visited the venue of the said exhibition cur expo. Management of the college was generous enough to provide excellent transportation facility and other logistics. It was an excellent opportunity for the students to come abreast with the latest of the research work, newly invented equipments and gadgets in the field of Mechanical, Computer science, Telecom, Civil and Medical domains. Participants from Taiwan had exhibited an array of products ranging from a simple tea set to life saving medical equipments under the title 'Taiwan Excellence'. Volunteers from the respective organizations explained in detail the structure, components, efficiency, application and various other aspects of each product to our students in an efficient manner. Students also took part in meaningful discussions with the organizers about each one of the exhibitants and posed highly qualitative questions worthy of being the future engineers of the nations. Students also spent quality time in the venue for over 4 hours and gathered various information which would be useful in our career. Our accompanying faculty also assisted us in clarifying our doubts and provided us with much information. The visit ended on a highly satisfying note.

"The trouble with being punctual is that nobody's there to appreciate it".

CONGRATULATIONS TO TOPPERS

1KS13TE017

GAYATRI V

84.77%

II SEM

1KS13TE028

NAYANA M

84.13%

II SEM

1KS12TE038

SAHANA H B

80.88%

IV SEM

1KS12TE033

RASHMITHA P

80.55%

IV SEM

1KS11TE017

KRISHNAMURTHY

76.33%

VI SEM

1KS11TE044

SUPRIYA S

74.88%

VISEM

1KS10TE003

ARPITHA V

84.8%

VIII SEM

1KS10TE003

APOORVA M S

82.6%

VIII SEM

ELECTRONICS & TELECOMMUNICATION MECHANICAL COMPUTER SCIENCE COMMUNICATION 1KS13ME108 1KS13CS030 1KS13EC066 SUHAS V DIKSHA **RAKSHITHA G** 83.87% 88.0% 87.87% II SEM II SEM II SEM 1KS13ME075 1KS13CS046 1KS13EC115 PIYUSH VERMA LATHA VIDYA H S 83.74% 88.0% 86.97% II SEM II SEM II SEM 1KS12ME116 1KS12CS099 1KS12EC072 VINAYAK **SPOORTHI NAVYA SRI** 85.11% 79.33% 86.67% IV SEM IV SEM **IV SEM** 1KS12ME063 1KS12CS010 1KS12EC087 MAYEEN TEJASWINI N **SUMITHRA B** 84.56% 77.77% 81.56% **IV SEM** IV SEM IV SEM 1KS11ME093 1KS11CS010 1KS11EC046 SAJJAD PASHA ANUSHA KA MANASA M S 82.77% 82.77% 80.66% **VI SEM** VI SEM VISEM 1KS11ME123 1KS11CS077 1KS11EC044 SARAYU G SARAYU K P MAMTHA K 81.33% 81.88% 78.66% VISEM **VI SEM VI SEM** 1KS10EC076 1KS10ME043 1KS10CS103 PADMINI R **JATIN** SUSHMA S 83.00% 88.00% 88.93% VIII SEM VIII SEM VIII SEM 1KS10ME087 1KS10CS044 1KS10EC002

JYOTSNA N

86.4%

VIII SEM

SAI CHARAN

87.47%

VIII SEM

ABHIJIT M R

82.98%

VIII SEM





COMING TOGETHER IS A BEGINNING; KEEPING TOGETHER IS PROGRESS; WORKING

TOGETHER IS SUCCESS.

DICTIONARY IS THE
ONLY PLACE WHERE
SUCCESS COMES BEFORE
HARD WORK. HARD
WORK IS THE
PRICE WE MUST
PAY FOR SUCCESS.



AT LAST, IT IS
THE ATTITUDE NOT
APTITUDE WHICH
WILL LATER DETERMINE
YOUR ALTITUDE.

WHENEVER YOU THINK THAT YOU ARE ARGUING WITH A FOOL, YOU MUST MAKE SURE THAT HE IS NOT DOING THE SAME.





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