



**KCG College of Technology** is an educational institution that strives for an intellectual endeavour that focuses on critical and creative thinking. It aims for an all-round development of the students and encourages innovative and optimistic initiatives. While integrity and belief in oneself is nurtured; competence and commitment are the hallmarks that the Management and staff seek to encourage at KC Tech. This edition of the college news letter, Campus Buzz, not only gives a glimpse of all the activities and achievements of the college during this semester- both by the students and the staff, it also provides a peep into the opportunities provided at KC Tech to learn and achieve more as also to make the students wholesome humans.

Editor - Revathy Ravichandran

# KCG College of Technology

## Campus Buzz

Vol - X, Issue II



### International Seminar on Indian Aerospace Industry

"Rising with Collaborative Opportunities"

On 7&8 Feb'13, an International Seminar on Indian Aerospace industry was conducted by the Ministry of Defence (Government of India) and FICCI at 'Arjan Hall', Air Force Station Bangalore. The Conference was packed with eminent people from various sectors such as Defence, OEM, SME and Entrepreneurs. KC Tech was represented by 2 students Neela Surendra (IIIAERO) and Lawrenzi Samuel (II AERO) and Prof.J. Ashok Babu (AERO Dept).

The seminar was inaugurated by Shri.Jitendra Singh, Hon'ble Raksha Rajya Mantri (Government of India), who pointed out that "The Indian government had undertaken several initiatives to energize the Indian defence industrial base particularly aerospace sector."

The different sessions in the seminar were;

- Aerospace Industry: Opportunities for Indian Industry across the Segment of Large, Medium and Small Enterprises.
- Integrating Indian Offset Partner in Global Supply Chain.
- Emerging Global Trends in Aerospace Industry.
- A Technical Session on Aerospace Structures
- A Technical Session on Aerospace Ground Infrastructure & Support

All the sessions were informative and exposed the participants to the latest trends in aerospace engineering and the future of aeronautics.

## 17 UNIVERSITY RANKS FOR KC TECH



ABHILASH R  
AERO - 10<sup>th</sup> Rank



ANUJA  
JAISHREE N A  
MCA - 26<sup>th</sup> Rank



ARUNA  
BHARATHI S  
AERO - 23<sup>th</sup> Rank



ARVINDH R  
AERO - 7<sup>th</sup> Rank



BALENDRA  
SHOBIKA  
AERO - 12<sup>th</sup> Rank



DILIP  
KUMAR M  
MECH - 39<sup>th</sup> Rank



DIVYA MANGALA  
LAKSHMI S  
IT - 45<sup>th</sup> Rank



JAISHREE B  
MCA - 48<sup>th</sup> Rank



JAYASHREE S  
ME-VLSI - 4<sup>th</sup> Rank



KALAIRANI S



MOHAMED ASIK M  
AERO - 3<sup>th</sup> Rank



NIVEDITHADEVI R  
MCA - 33<sup>th</sup> Rank



PRAVEENT A  
EEE - 33<sup>th</sup> Rank



SADHANA RAO B  
IT - 50<sup>th</sup> Rank



SIRANJEEVI J  
ECE - 50<sup>th</sup> Rank



VIJAY SHANKAR R  
AERO - 27<sup>th</sup> Rank



VIJAYA  
PRAKASH R  
AERO - 1<sup>st</sup> Rank

### << An MOU being signed with BSNL



### Lenten Preparation Program 2013

Lenten Preparation Program was organized on 6 Feb'13 at Mirza Hall, KCTech. Rev.Dr.J.T.K.Daniel, Former Principal, Serampore College & Former Professor and Chaplain, MCC, delivered the message and spoke about "The Cross of Christ- A Biblical Analysis". A copy of The New Testament was also distributed to all the participants.



## Echoes from e-cell and i-cell Corner

- Gautam K (IT), Founder of 'Enchanter Corporation' - a student startup - was adjudged as one of the Top-5 Student Start-up Companies at the National Level by NEN First Dot on 21 Jan'13.
- Gautam.K (IT) was also a finalist at AUDACIA 2013, a national level business plan competition conducted by Great Lakes Institute of Management, Chennai.
- As part of e-week celebrations workshops and guest lecturers were arranged from 11 to 15 Feb'13. They were:
- 30 students benefitted from a talk on 'Social Entrepreneurship' by Mr. Bhargav Chandrababu from Bhoomi.
- 30 students were made to ponder -with 'Food For Thought'- by Mr. Dorai Thodla, an entrepreneur.
- The event 'Ignited Minds', was attended by 75 students and they benefitted from the experience of three entrepreneurs: Mr. T. Jeyaraman. Mr. Arun and Mr.Karthikeyan.
- The event 'App Building' by Mr. Dorai Thodla saw 17 zealous participants.
- 40 students from 6 colleges participated in 'Startup Challenge'.
- 26 students participated in 'The Colosseum' organized by Mr. Srinivasan Assistant, DRD, 60 in I-Expo by Mr.Kannan, an entrepreneur and 33 in 'Youth Parliament' conducted by Mr.Abraar Ahmed and Mr.Krish Raj.
- The talk on 'Energy Conservation' by Dr. Kulasekaran, Prof /KCG College of Technology motivated 36 participants to conserve energy.

## Guest Lectures & Seminars at KC Tech

Department	Topic	Resource Persons
ECE(M.E)VLSI & CS	A Lecture on Mat Lab	Dr.Venkat Sastry, Cranfield University.
ECE(Staff)	Fault Finding in Electronic Circuits	Prof.V.Subborayan, HoD/ECE KCG College of Tech., Chennai.
AERO	Career Opportunities for Engineering Students in Air Force	Wing Comm. Sunil. T. Ninan Commanding Officer Airmen Recruitments AirForce, Tambaram, Chennai.
	Computational Fluid Dynamics	Dr. K.P. Singh Distinguished Scientist ADA, Bangalore.
	Space Mechanics	Dr. Sundaramoorthy(Director) ISRO, Bangalore.
MECH	Oil & Gas Conservation	Mr. K.R. Govindan Chairman, Training Division ENFUSE, Chennai.
	Importance of Cutting Tools	Mr.M.Sreedharsan & Mr. Lucas Pushparaj Addision & Co Ltd., Chennai.
	Modern Methods in Automotive Engine Manufacture	Mr.K.V.Subramanian Ashok Leyland Ltd., Chennai.
EEE	Application of Solid State Drives in Port	Er. M. Sundararajan Retd. F.I.E. Executive Engineer (Elec.) Chennai Port Trust.
AERO	Aircraft Crash Investigation	Mr. Arunagiri Deputy General Manager HAL, Bangalore.
	Aircraft Propulsion Techniques	Prof. Martin Fiddler Stafford University, United Kingdom.
EEE	Auto Desk	Mr.S.Suriya Narayanan Venus Solutions India Pvt. Ltd., Chennai.
MECH	Testing of Materials	Dr.Pathak Former Professor & HoD Metals and Materials, IIT Madras.
CSE & IT	Android and Mobile Application Development	Mr. Subash Chandra Managing Director Seminal Minds & Santhosh Tech., Hyderabad.
ECE	Application Based on Protocol Design in Networking.	Mr.S.RajaDurai Samuel Software Engineering. HCL, Chennai.
CIVIL	Pavement Engineering .-Salient Aspects	Mr. S. Sathish Dy. Chief Engineer Traffic Highways Research Station Chennai

- Over 2000 school students were helped and guided by KC Tech e-cell members through Edukate (e-week @ school) - an event that lasted for 10 days from 4 to 13 Feb'13.
- 'Be Your Own Boss'- a 20 Hr workshop- was conducted for 46 students.
- As an experiential learning One day On-Campus Business was organized by two teams of students.
- In KCG Bazaar on 16&17 Mar'13 - a platform for Budding Entrepreneurs to hone their enterprising skills - 40 stalls were operated by the students. This event was open to the public and witnessed a foot fall of over 5000 people.
- Python Programming workshop was conducted for MCA and IT Students.
- Out-reach Programme saw Social Causes Club members visit schools and work with the students - teaching them the use of technology and engage them with e- learning tools - an activity that has left many of them aspiring to become IT Professionals.



Mr Atul Agarwal and Ms Sunita Singh with winners from KC Tech, Chennai - the brains behind Enchanter Corporation



A guest lecture by Prof.Martin Fiddler on 'Aircraft Propulsion Techniques'



Some of the school students who were helped and guided by KC Tech e-cell members through Edukate (e-week @ school)





## Workshop on MATLAB & SIMULINK

IEEE students Branch of KCG College of Technology, in association with IEEE Madras Network, organized a two-day inter-college workshop on MATLAB and Simulink on 15 & 16 Feb'13. The resource persons were Dr. Vivek Rao, PhD and Mr. Venkat Subramaniyan Kuppusamy, M.E. - both consultants of automotive electronics.

74 undergraduate students from different colleges like Jeppiar Engineering College, Thangavelu Engineering College, Sri Muthukumaran Institute of Technology, Jai Mathaji Engineering College and 23 from KC Tech participated in the workshop. On both the days, concepts were explained during the morning sessions and students were given hands-on practice in the afternoons.

## International Workshop on Cloud Computing Fundamentals and Aneka Platform

IETKCTECH, in association with Manjurasoft, Australia, conducted an International Workshop on Cloud Computing Fundamentals and Aneka Platform on 7 Feb'13. The resource person was Dr. Sita Venkatraman from University of Ballarat, Australia. The workshop gave the students and staff of CSE, IT and ECE immense knowledge on Cloud Computing, especially Aneka Platform.

## Workshop on Building Mobile Web Applications

The IET Student Chapter at KCG College of Technology, Chennai (IETKCTECH), conducted its 4th Workshop on 'Building Mobile Web Applications' from 31 Jan'13 to 2 Feb'13, to enlighten students about mobile web applications. The resource persons were Mr. P. Senthil Kumar, Mr. Venu Arvind and Mr. Shakthi - all from Open Soft, Chennai. About 100 CSE and IT students participated in this workshop.

**The first day** of the workshop began with an amazing and interesting introduction on basic ideas about Mobile Web Applications. Simple examples were cited and syntax, function, rules of HTML and PHP and various other commands involved in an application program were taught.

**On the second day**, the concepts of MySQL and Apache were introduced and making connectivity between the front and the back end was clearly elucidated. Practical sessions followed and the students ventured into the sites to apprehend more about how the 'sign up' and 'sign in' pages were created.

**On the third day**, practice on HTML5, JavaScript, CSS, Ajax, JQuery was given to make the students understand the importance of these tools in web designing. During the afternoon session, students were found developing mobile web applications using emulators.

## Seminar on Android and Mobile Application Development

A seminar on Android and Mobile Application Development, organized by IETKCTECH on 7 Feb'13, aimed at making the students understand the basic concepts and implementation of android mobile application.

The resource person, Mr. Subash Chandra, Managing Director, Seminal Minds, started off with information about the basic Android architecture which is divided into five phases: Linux Kernel, Native Library, Dalvik Virtual Machine, Android User Library, Application Framework and Android Application. Students were made to understand that Android is a complete software platform for mobile devices because it has an operating system, middleware and application framework.

The seminar helped the students know about different android packages which can be downloaded from internet and how android development would make a major difference in future generations. The seminar ended with students raising queries on java and android.

## Conferences attended by e-cell and i-cell members – both students and staff:

- TIECon Chennai -2012 was attended by Dr. Sumathi Poobal and Dr. Kulasekaran on 4 Dec'12.
- State Level Entrepreneurship Conference conducted by EDI, Tamilnadu
- was attended by Dr. Sumathi Poobal and Dr. Rosy Fernando on 21 Jan'13.
- MMA Annual Convention was attended by Dr. Sumathi Poobal at Hotel Taj Coromandal, Chennai, on 2 Feb'13.
- Dr. Sumathi Poobal (VP, KC Tech), Mr. Jose Anand (ECE), Mr. V. Gopal, (MECH), and e-cell student members: Mr. Kasiram (MCA) Mr. V.S. Vignesh (CSE) and Mr. Prakash (CSE) attended the EDI – Aavin Business Model for Students Campaign on 9 Feb'13 at Anna Institute of Management.
- Dr. Sumathi Poobal attended TEDxHindustan on 16 Feb'13.



Guest lecture by Prof. Martin Fiddler, Stafford University, UK





### Workshop on Research Techniques

A two-day workshop on 'RESEARCH TECHNIQUES', which aimed at enhancing the knowledge and strengthening the research skills of all PG students in data gathering, information analysis and effective presentation of results was organized in KC Tech by ECE department on 11 and 12 Feb'13. This was attended by all PG students and many KC Tech staff. The Chief Guest was Dr.Sundararajan.N, Retired Professor, NTU, Singapore and in his inaugural speech he highlighted the importance of research in terms of career opportunities and in building knowledge in one respective domain.

The sessions were handled by Dr. Sundararajan. N, Retd. Prof., NTU, Singapore, Dr. Suriya Narayanan, Scientist, CLRI, Dr. P. A. Balakrishnan, Dean (A&R), KC Tech and Dr. Sumathi Poobal, Vice Pricipal, KC Tech.

The workshop exposed the participants to the dynamic trends in research methodology and enabled them to gain knowledge on the importance of focusing and proceeding in the right direction when doing a research work for a good thesis/technical paper to be produced.

### Some of the other Workshops organized at KC Tech were during this semester:

- A Technical –cum- Practical Workshop on Automobiles was conducted by Goodwin Motors at KC Tech for Mechanical Engineering Students by Mechanical Department.
- Workshop on PHP and MYSQLVAC was organized by CSE and IT Departments.

### SAE –BAJA 2012 - A NATIONAL EVENT

SAE INDIA, the Indian Chapter of Society of Automotive Engineers of US, conducts an Annual Competition in Design, Fabrication and Performance testing of All Terrain Vehicle (ATV) exclusively engineering students, known as SAE BAJA in India. In this competition, students need to compete in a design competition and after being successful in this round, they fabricate the vehicle and take part in the National Level BAJA Competition This prestigious annual competition is held every year at Pithampur (near Indore), Madhya Pradesh.

This year our students (a team of 5) competed in the design competition Virual BAJA held at Bangalore Institute of Technology, Bangalore, on 24 & 25 Aug'12. Their design was selected for SAE BAJA from among the 260 teams that competed. The enthusiastic and excited students formed a team of 24- students from Mechanical and Electrical Engineering departments- and worked day in and day out to fabricate the BAJA vehicle - AETHON 2.0 (Fiery Red Horse).

*The SAE BAJA Team*



Two innovations were incorporated. An important safety mechanism in an ATV, namely a mercury switch with GPS which would switch off the engine when the vehicle toppled and send an SMS to some predetermined mobile number about the vehicle breakdown. The other innovation was the tilting head light assembly where the head light beam would automatically adjust itself when the vehicle moved at an inclined angle to maximize the road lit area from the headlight. With hope, fervour and zest the team proceeded to Pithampur to compete in SAE BAJA 2013.

On 14 Feb'13, AETHON was put through the technical inspection which included Brake test, Tilt test, figure of eight and various other technical inspection rounds. The students were thrilled as the judges were very impressed with the aesthetics and innovation of the vehicle. 98 out of 105 teams qualified for the dynamic event and of course KC Tech team was one among them.

The dynamic events included events like hill climbing, acceleration test and maneuverability test. At the end of the day KC Tech was one of the first teams to qualify for the Endurance test, which is the real competition of lasting for 4 hours of racing in a torturous & challenging track of 5.5 km of mud, steep slope, turns, hair- pin bends, dust patches and banking curves. The team completed 11 laps of the race and were among the 37 teams to complete the race. Their endurance was appreciated and recognized.

### Placement Drive at SAE- BAJA

3 Final Year students cleared the written test and qualified for GD and HR round. Ms.Suryasree Roy Chowdhury (IV MECH) has got an offer from General Motors and Anand Group of Companies. The other two students have also been contacted and are expecting an offer letter any time.



*SAE BAJA Vehicle - AETHON 2.0*

### News from Training and Placement Plateau

Classes	Training	Resource Person
I B. E/ B.TECH	For BEC Vantage Examinations	Strides Consultancy
I B. E/ B.TECH & I MCA	In Basic English Language Skills (BELS) Level – 2	Prof. Muthukumar & Prof. Victor Frederick
II B. E/ B.TECH	Soft Skills Training	Work Senses
II MCA	Aptitude -2 Training Programme	SMART Training Resources

*Nearly 150 KC Tech students have been placed in various companies like Accenture, TVS, CTS, CSS etc.*



## Paper Presentations by Students

- Ms. Lakshmi.M.R (ME/CS) presented a paper titled, *'Effectual Strategies to Thwart Selecting Jamming Attacks in Wireless Networks'* at the International Conference-EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Mr.Banjo (ME/CS) presented a paper titled, *'COMPRESSION STEREO IMAGE USING A REFERENCE IMAGE AND THE FOUR STEP BLOCK MATCHING ALGORITHM TO ESTIMATE DISPARITY BETWEEN THE LEFT AND RIGHT IMAGES'* at the International Conference- EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Mr. Jijin (ME/CS) presented a paper titled, *'Lung Cancer Detection & Classification Using Fuzzy Logic & Artificial Neural Network'* at the International Conference- EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Mr. Arun (ME/CS) presented a paper titled, *'Reliable & Efficient Data Transfer in Wireless Sensor Networking Using Co-operative Communication'* at the International Conference- EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Ms. Priyadarshini (ME/CS) presented a paper titled, *'LDPC Decoding Using PF Algorithm Based Belief Propagation'* at the International Conference- EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Mr. Vivek (ME/CS) presented a paper titled, *'Autonomous Routing and Reconfiguration in Adhoc Network'* at the International Conference- EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Ms. Priya (ME/CS) presented a paper titled, *'Compression for Display Devices Using Seam SPIHT Algorithm with Quality'* at the International Conference-EMICS'13, organized at Maria College of Engineering and Technology, Kanyakumari.
- Ms. N. Narmadha (ECE) presented a paper titled *'Video Compression Based on Modified Rate Distortion Algorithm'* at the International Conference on ICGESCS'2013 organized at Arunai College of Engineering, Tiruvannamalai.
- Ms. D.Rajalakshmi (ECE) presented a paper titled *'Security Enhancement Of Biometric Features Using Cryptographic Techniques'* at the International Conference on ICGESCS'2013 organized at Arunai College of Engineering, Tiruvannamalai.
- Mr. Murlidhar (ECE) presented a paper titled *'Wavelet Transform Based Artificial Intelligent Approach to the Detection of Brain Injuries and Epilepsies'* at the National Conference on Computing and Communication Trends organized at Gitam University, Visakapattinam.
- Mr. Gowthamaraj, Mr. Tanvir Hassan and Ms.K. Durga M (IT) presented a paper titled *'Intelligent Information System for Automated Learning using Speech Recognition'* in the 4th National Conference on Research Issues in Computer Science and Engineering organized at RMK Engineering College, Chennai.
- Ms.Lakshmi.M.R (ME/CS) presented a paper titled *'Thwarting Selective Jamming Attacks in Wireless Networks by Delaying Real Time Packet Classification'* at the National Conference on Web Technology (NCWT'13) organized at Sairam Engineering College, Chennai.

- Ms.Heena Parveen and Bhawana Lohani (CSE) presented a paper titled *'Secured Authentication for Online Banking Using Mobile Phones'* at the National Conference - Flair'13 organized at Loyola College of Engineering and Technology, Chennai.
- Mr. S.Hariniranjan (EEE) presented a paper titled *'Gaming Using Cloud Computing'* in the Technical Symposium at Panimalar Engineering College, Chennai.
- Ms. Sibi (ECE) presented a paper titled *'A Cluster Based Approach to Improve Lifetime of Wireless Sensor Network Using Global Positioning System'* in SAHANA-2012-2013 -Technical Symposium at Cape Institute of Technology, Nagercoil.
- Ms. Amutha Bharathi and Ms. Anjali Ganesh (ECE) presented a paper titled *'Application of Embedded Systems in Smart Camera'* in SAHANA-2012-2013 -Technical Symposium at Cape Institute of Technology, Nagercoil.
- Mr.Robin Saxena and Mr.Muralidharan(ECE) presented a paper titled *'Wavelet Transform Based Artificial Intelligent Approach to the Detection of Brain Injuries and Epilepsies'* in ENCINFO-2013 – National Level Technical Symposium at Pondicherry Engineering College, Pondicherry.
- Mr. A.Johannah Persis and Ms. M. Suganya (ECE) presented a paper titled *'Research Advances in Communication, Computation Electrical Science and Structures'* in the Second National Conference on Frontiers Of Computer Science and Computation at SREC, Coimbatore.

## Winners in Co-Curricular and Extra-Curricular Activities

- Goutham K, Krithika P & Keerthana. V (III IT) won a place among the Top 6 of the 88 short listed teams in the International Level Competition- AUDACIA (BUSINESS MODELING).
- Gowthama Raj (IV IT) secured the Global Student Entrepreneur Award in the International Level GSEA, Event.
- Gowthama Raj (IV IT) secured 23rd Place in the National Level B Plan (Business Modeling Event) organized at Delhi Technical University.
- Dhivagar .S (IV CSE) won IET Best Creativity Award.
- Naren M (III MECH) was adjudged the Best Designer in the International Techno Management Fest organized at NIT, Trichi.
- Gowthama Raj (IV IT) was among the 30 shortlisted invitees for Entrepreneurship Summit at IIT-Bombay.
- Vignesh S (III CSE) won KC Tech PATW Award.

## Victors in Inter-collegiate Symposia Events

- Bhawana Lohani and Heena Parveen (III CSE) secured 1st Place in 'Critique Bestowal' at Loyola College of Engineering and Technology, Chennai.
- Bhawana Lohani and Heena Parveen (IIICSE) secured 1st Place in 'Cipher Combat' at Loyola College of Engineering and Technology, Chennai.
- Thanushree Shailendranath (II CSE) secured 1st Place in 'Mock Interview' at Easwari Engineering College, Chennai.
- Sidhik Ali.S, Sriram.S and Thilakraj (IV CSE) secured 3rd Place in 'Gaming' at Easwari Engineering College, Chennai.
- Sindhu.P, Preethi.J, Srinithi.R.R, Renuka.G and Sangeetha.S (II CSE) secured 1st Place in 'Modeling' at Dhanalakshmi Srinivasan College of Engineering, Chennai.
- Sriram.S, Thilakraj, Mohammed Arif.M and Sidhik Ali.S (IV CSE) secured 3rd Place in 'Gaming' at Dhanalakshmi Srinivasan College of Engineering, Chennai.
- Mohammed Arif.M, Thilakraj, Sriram.S, and Sidhik Ali.S (IV CSE) secured 2nd Place in 'Gaming' at Alagappa College of Technology, Anna University, Chennai.



**Our students are encouraged to participate in workshops organized in other colleges too. Some of the workshops attended by our students this semester were:**

Name of the Students	Title of Workshop	Venue of Workshop	Duration
Harish.J (II CSE) Deepika.V (II CSE) Bennita Adline. B (II CSE')	DJ HUSSEY Workshop	SRM University, Chennai.	4 Days
Vikneshwar.L (II CSE)	HTML5 Workshop	Anna University, Chennai.	2 Days
Roshan Ajay.D (II CSE)	Post Production(VFX) Workshop	Coimbatore Institute of Tech., Coimbatore	2 Days
Sangeetha.S (II CSE) Renuka.G (II CSE) Soundarya Lakshmi.N.C(II CSE)	Debugging	Dhanalakshmi Srinivasan College of Engineering, Chennai.	1 Day
Kumaresan. P(III CSE) Balaji. E.V.R(III CSE) Kumaresan. P(III CSE) Chanakyan.P (III CSE) Goutham Nagaraj.M (III CSE)	Workshop on the Art of Soft Skills	VIT University, Vellore.	4 Days
Mohammed Mudasir (II EEE) Manikandan. T.S (II EEE) Patric Pious. R (II EEE) Emmanuel Morais. M (II EEE) Prem Kishan. S (II EEE) Payal Dasbarma (II EEE)	Workshop on Computational Intelligence in Engineering	SRM University, Chennai.	2 Days
Divya. R (II EEE) Priyanka Joseph (II EEE) Ananya (II EEE) Krithika (II EEE) Arya Gopan (II EEE)	Workshop on "Tata First Dot" Powered by NEN	IIT Madras.	2 Days
Bhargav Ranjit (III EEE) Brahadeeshwaran (III EEE) Deiva Kalyana (III EEE) Vinod (III EEE) Baskar S (III EEE) Sudarshan(III EEE) Sriguruprasath (III EEE)	Electronics Workshop	IIT Madras.	1 Day
Somasundaram (III EEE) Pravin Olyindo(III EEE) Rahul Dey (III EEE) R.Sriguruprasath (III EEE) M.Yokesh (III EEE) S.Karthik (III EEE)	Printed Electronics Workshop	Anna University, Chennai.	3 Days

#### **Industrial Exposure - In-plant Training & Industrial Visits**

AERO	R. Sreeram (III yr)	Jet Wings and Albatross, Bangalore.	3 Days
	A.Rajanidhi (III yr) S.Kishore Raj (III yr) Sreeram (III yr) Thiruirudayaanbu (III yr)	Taneja Aerospace and Aviation Ltd, Hosur.	7 Days
	L. Santhosh Kumar (III yr)	HAL, Engine Division, Bangalore.	13 Days
	Shobana (III yr) Vishnu (III yr) Muthu (III yr) Dimble (III yr)	Salem Steel Plant, Salem.	6 Days
	R. Sreeram (III yr) Sarath Menon (IV yr)	Jet Wings, Bangalore. BSNL-Port Blair	5 Days 5 Days
ECE	Narayanan (III yr) Nivya (III yr) Papitha(III yr) Saranya (III yr) Santhana (III yr) Bhuvaneshwaran (III yr) Nallamalli Chandrasekhar (III yr)	Doordharshan, Chennai.	5 Days

EEE	R.Sriguruprasath (III EEE)	AUTONEON, Chennai.	3 Days
	D.Santhana Kumar(III EEE)	Mylapore Substation, Chennai	6 Days
	K.Vignesh Kumar(III EEE)		
	P.Srinivasan(III EEE)		
	R.Surya Kumar(III EEE)		
IT	Varun. D (III IT)	UNIQ Technologies Chennai.	5Days
	Grandin Major (III IT)	BMW – Plant, Chennai.	12 Days
	Sreevarsha (III IT)		
	Suganya.V (III IT)	BSNL, Katpadi.	5 Days
CSE	Sangeetha. R (III CSE)	UNIQ Technologies, Chennai.	3 Days
	Geetha.A (III CSE)		8 Days
	Sangeetha. R (III CSE)		1 Day
	Abhimanya.N (III CSE)		8 Days
	Bhuvaneshwari. S. K (III CSE)		8 Days
	Bakyalakshmi. M(III CSE)		8 Days
	Vigneshwar .L(III CSE)	HCL Career Dev. Centre, Chennai.	3 Days
	Aashika .R(III CSE)		3 Days
	Elakiya. S(III CSE)		3 Days
	Deepa Lakshmi.P (III CSE)		3 Days
	Heera. R (III CSE)		3 Days
	Nivedha. B (III CSE)	BSNL, Chennai	5 Days
MECH	M.Naren (III yr)	Pallava Group of Companies (Granite Company), Chennai.	6 Days
	M.Naren (III yr)	Ashok Leyland, Chennai.	5 Days

#### Other Industrial Visits:

- II MCA students were taken to Emerge Solutions Pvt. Ltd., Chennai
- II ECE students were taken to Doordarshan, Chennai.
- VI MECH students were taken to SKODA, Aurangabad and COBIT Conveyors, Nasik.
- III IT students were taken to HCL for a 3- Day workshop to study and have practical exposure to Hardware, Networking, System Administration, Android, Blue Eye Technology & Software Platform



#### Paper Presentations by our Staff

- Ms.Minu Thomas and Ms. Sheeja Sudheer (MCA) presented paper titled '*Cloud Computing Based Data Throughput Prediction to Optimize the Server Load*' at the Third National Conference on Advanced Computing Applications & Technologies organized at Eswari Engineering College, Chennai.
- Mr. Jose Anand (ECE) presented paper titled '*Fatigue Monitoring and Warning System Using Driver Eye Tracking*' at the National Conference on Recent Trends in Electrical and Communication Engineering (NCRTECE 2013) organized at Shree Motilal Kanhaiyalal Fomra Institute of Technology, Chennai.
- Mr.Vejeey Subash Gandyer (CSE) presented paper titled '*Cologram: A color Feature Descriptor for Human Blob Labeling*' at the International Conference on Signal and Image Processing organized at Dr.N.G.P. Institute of Technology, Coimbatore.
- Mr. K. Suresh (CSE) presented a paper titled '*Providing a Secure Data Forwarding Cloud Storage System Using Threshold Proxy Re-Encryption Scheme*' at the National Conference on WebTechnology organized at Sai Ram Engineering College, Chennai.
- Ms. EmilinShyni (CSE) presented a paper titled '*Providing Session Hijacking Through Web Services*' at the National Conference on Web Technology organized at Sri Sai Ram Engineering College, Chennai.
- Mr. K. Suresh (CSE) presented a paper titled '*Forecasting of User's Forecasting of User's Visiting Web Pages Using Modified Markov Model*' at the National Conference Recent

Trends in Information Technology and Communication organized at Karpaga Vinayaga College of Engineering, Chennai.

- Dr. Ann Jasmine Jose (S&H) presented a paper titled '*Invitro Biocompatibility Studies of Quantum Dot Tagged Microparticles*' at the International Conference on Nanoelectronics and Nanodevices organized at Saveetha University, Chennai.
- Ms. K. Suba (S&H) presented a poster titled '*Bio Nano Direct Methanol Fuel Cell*' at the International Conference on Bioenergy, Environment and Sustainable Technologies organized at Arunai Engineering College, Tiruvannamalai.
- Dr. Ann Jasmine Jose (S&H) presented a paper titled '*Mapping of Polymer films using IR Microspectroscope*' at the Second International Conference on Advances in Materials Processing and Characterization organized at Anna University, Chennai.
- Dr. Anita Manuel (S&H) presented a paper titled '*Identifying Linguistic Patterns in Barbara Kingsolver's The Poisonwood Bible using Corpus and Concordance*' at the Ninth International Conference on Grammar organized at VIT University, Vellore. The paper was published in a volume of selected papers by Tata McGraw Hill.
- Dr. Anita Manuel (S&H) presented a paper titled '*Developing Cognitive Skills through Film Appreciation*' at the International Conference on Outcome Based Learning organized at Anna University, Chennai.



- Ms. Kanchana(S&H) presented a paper titled '*Media and English Learners*' at the Ninth International Conference on Grammar organized at VIT University, Vellore.
- Ms. K. Buvaneswari (S&H) presented a poster titled '*Synthesis of 2-arylbenzoxazoles via Molecular Iodine Promoted Oxidative Cyclization of Phenolic Schiff Bases*' at the International Conference on Biological Inorganic Chemistry organized at Periyar University, Salem.
- Ms. Bhuvaneswari Arvind (S&H) presented a paper titled '*Effect of KBR Mixing on Tris Urea Zinc Sulphate*' at the National Conference on Crystallography organized at University of Madras, Chennai.
- Ms. Bhuvaneswari Arvind (S&H) presented a paper titled '*Growth and Characterization of Pure and Doped Tris Thio Urea Zinc Sulphate Single Crystals*' at the National Conference on Crystal Growth and Characterization of Advanced and NLO Materials organized at Crystal Growth Centre, Anna University, Chennai.
- Ms. Bhuvaneswari Arvind (S&H) presented a paper titled '*Enhancement of Optical Properties due to Mixing of L-Threonine on Tris Thio Urea Zinc Sulphate Single Crystal*' at the National Conference on Hierarchically Structured Materials organized at SRM University, Chennai.
- Ms. K. Suba (S&H) presented a paper titled '*Nano Dye Sensitized Solar Cell*' at the National Conference on New Vistas and Challenges in Chemistry organized at Sathyabama University, Chennai.
- Mr.Praveen Joe I R,presented (IT) presented a paper titled '*Intelligent Information System for Automated Learning using Speech Recognition*' at the 4th National Conference on Research Issues in Computer Science and Engineering organized at RMK Engineering College, Chennai.

#### **Details of Publications by our Staff:**

- Mr.Jose Anand (ECE) published a paper on '*Performance Analysis of ACO-based IP Trackback*' in the International Journal of Computer Applications (IJCA), Vol. 59, Dec'12.
- Mr.JoseAnand (ECE) published a paper on '*Analyzing the Performance of Diverse LEACH Algorithms for Wireless Sensor Networks*' in the International Journal of Advanced Networking and Applications (IJANA), Vol. 04,Dec'12.
- Dr.Vidya Devi (ECE) and Mr. T. Thomas Lenoid (ECE) published a paper on '*Pre improved Weighted Modulo  $2n+1$  Design Based on Parallel Prefix Adder*', in the International Journal of Engineering and innovative Technology.Vol 2,Issue-Nov'12.
- Mr.Vejeey Subash Gandyer (CSE) published a paper on '*Cologram: A Color Feature Descriptor for Human Blob Labeling*' in the International Journal LNEE- Springer Publications, Vol. 331, Dec'12.
- Ms. Geetha Lakshmi (S&H) published a paper on '*Fuzzy Clustering for the Problems Faced by IT Professionals Due to Work Pressure in IT Field*' in the International Journal of Engineering Research and Technology(IJERT), Vol.1. Issue 9.
- Ms. Geetha Lakshmi (S&H) published a paper on '*Analysis of Factors Giving Pressure to IT Professionals Using Fuzzy Bidirectionals Associative Memories*' in the International Journal of Computer Application(IJCA), Vol.1. Issue 3.
- Dr. Anita Manuel (S&H) published a paper on '*Linguistic Anxieties: Impact of English on Politics, Mother Tongue and Creative Writing in India*' in Language in India, Volume 13.

Dr. Anita Manuel's (S&H) paper on '*The Powerless Witch: A study of Mahasweta Devi's Bayen*' has been accepted for publication by Indian Journal of Postcolonial Literatures, ISSN: 0974-7370.

- Ms. Revathy Ravichandran (S&H) published a paper on '*Travelogues as Authentic Materials to Teach and Test Narrative and Descriptive Writing*' in the Online International Journal-The Modern Journal of Applied Linguistics – Special Issue-2013.
- Mr. E Christopher Siddharth (IT) published a paper on '*A Cluster based QoS – Aware Service Discovery Architecture for Mobile Adhoc Networks*' in the proceedings of IEEE International Conference on Computational Intelligence & Computing Research , Dec'12
- Mr. Praveen Joe (IT) published a paper on '*A Cluster based QoS – Aware Service Discovery Architecture for Mobile Adhoc Networks*' in the proceedings of IEEE International Conference on Computational Intelligence & Computing Research , Dec'12
- Mr.Praveen Joe I R, published a paper on '*Store Clustering in Supply Chains Using ART Network*', in the International Journal of Data Mining, Knowledge Discovery, Vol 4, Sept'12

#### **Other Contributions by KC Tech Staff**

- Mr.Ramaratnam(Assc.Prof/Research Co-ordinator) gave a Keynote Address on Cyber Security and Ethical Hacking at Sakthi Teja College, Coimbatore in Jan'13.
- Prof. Vivekanandhamoorthy (IT) delivered a Guest Lecture on E Learning at HITS in Jan '13.
- Dr.V.Ranganathan, (Dean/ECE) delivered a guest lecture on Power Line Communication at HITS in Feb'13.
- Prof. Sivaramakrishna Das (HoD/S&H) delivered the inaugural address at the National Symposium on '*Recent Advances in Mathematics*' (NSRAM-12) organized at Loyola College, Chennai in Nov'12.
- Prof. Sivaramakrishna Das (HoD/S&H) was a panel member for the selection of the best paper award at the National Symposium on '*Recent Advances in Mathematics*'(NSRAM-12) organized at Loyola College, Chennai in Nov'12.
- Prof. Sivaramakrishna Das (HoD/ S&H) delivered a guest lecture at Agni College of Engineering, Chennai, in Dec'12.

#### **Faculty Development Programmes**

- Mr. Stephen SelvaKumar (MCA) attended a one-day workshop on Research Method and Techniques at Anna University, Chennai.
- Ms. Minu Thomas (MCA) attended a one-day workshop on Persuasive Computing at VIT, Chennai.
- MS. Alamelu (MCA) attended a one-day workshop on Network Security at VIT, Chennai.
- Ms. Sheeja Sudheer (MCA) attended a five -day workshop on Free and Open Software (FOSS) at NITTTR, Chennai.
- MS. Alamelu (MCA) attended a seven-day workshop on FDP on Data Structure at VIT, Chennai.
- Mr. S. Ramanayagam (HoD / MCA) attended a one-day workshop on TIECON at Trade Centre, Chennai.



- Dr Albert P'Rayan (S&H) as speaking examiner for BEC exams, attended the British Council ESOL Speaking Examiner Coordination, British Council, Chennai.
- Dr Albert P'Rayan (S&H) attended the ThinkEdu Conclave organized by The New Indian Express at Hotel ITC Grand Chola, Chennai.
- Mrs.V.Angaiyarkanni and Ms.Maheswari Rajan (ECE) attended a seven-day workshop - National Level Faculty Development Program- at Agni College of Engineering, Chennai.
- Mr. Jose Anand (ECE) attended a seminar on Converting Your Innovative Research/Project Idea into a Tangible Business at the Sweden Education Day 2012 at Anna University, Chennai.
- Mr. Jose Anand (ECE) attended a seminar on Essentials of ISO-9000 and QMS at IETE Hall, Chennai.
- Dr.Vidhya Devi and Mr.T.Thomas Leonid (ECE) attended Cadence Workshop at RMK Engineering College, Chennai.
- Mr. Jose Anand (ECE) attended a workshop on Wireless Sensor Networks: Research Issues and Practical Solutions at B. S. Abdur Rahman University, Chennai.
- Mr. Jose Anand (ECE) attended a workshop on Recent Advances in Microwave Devices & Antennas Technology at Hindustan University, Chennai.
- All ECE staff attended a workshop on Fault Finding in Electronic Circuits at KCG College of Technology, Chennai.
- Prof. R. R. Elangovan (HoD/ AERO) attended a seminar on Confederation of Indian Industry Round Table on Higher Education Relevance of Higher Education in Today's Industry and Economic Growth Scenario at Hotel Accord Metropolitan, Chennai.
- Mr. Vinoth Kumar (AERO) attended a workshop on Engineering Thermodynamics at LICET, Chennai.
- Mr. Mr.Manoj and Mr.Arul (AERO) attended a workshop on Computer Simulated Drafting (SIMTEC) at Sri Ramanujar Engineering College, Chennai.
- Ms. L N Ramya attended an FDP on Teacher's Leadership at IIT, Madras.
- Mr.K. Vinoth, Mr.S.Rubin Bose, and Mr.G.Venkateswaran (EEE) attended a workshop on High Voltage DC Transmission at SSN College of Engineering, Chennai.
- Mr.Dilli Babu and Mr.Anbazhagan (EEE) attended a workshop on Hands on Training in Electrical Engineering Laboratories at Easwari Engineering College, Chennai.
- Mr.K.Karthikeyan and Mr.Rubin Bose (EEE) attended a workshop on Research Techniques at KCG College of Technology, Chennai.
- Mr.R. Sampath and Ms. R.N.Sharmila (IT) attended a workshop on Train the Trainer on S/W Testing at St Josephs College of Engineering, Chennai.
- Mr. Cloudin. S and Mr.Sreekantha Kumar (CSE) attended a Seminar on Wheatstone Lecture at Music Academy, Chennai

- Mr.R.Siva (CSE) attended a workshop on Research Issues in Data Mining at Anna University, Chennai.
- Mr. Suresh (CSE) attended a workshop on Research Issues on Semantic Web Technologies at VIT, Chennai.
- Mr.Pradeesh Kumar and Ms.Manjula (CSE) attended a workshop on Advanced Computer Architecture at Velammal Engineering College, Chennai.
- Ms. Sujatha (CSE) attended a workshop on Principles of Compiler Design at Saveetha Engineering College, Chennai.
- Ms. Anuradha (CSE) attended a workshop on Design and Analysis of Algorithm at Anna University, Chennai.
- Mr.Arikumar (CSE) attended a workshop on Cryptography & Network Security at Anna University, Chennai.
- Ms. Sreenithi (CSE) attended a workshop on Data Structures at MIT Campus, Anna University, Chennai.
- Ms.Sujatha (CSE) attended a workshop on Research Methodologies at MIT Campus, Anna University, Chennai.
- Mr.Cloudin (HoD/CSE) attended - Intensive Hands – On Workshop NBA Accreditation Procedures at IIT, Chennai.
- Ms. Jayanthi.S (CSE) attended a workshop on Theoretical Computer Science at Anna University, Chennai.
- Mr.Vejeey Subash (CSE) attended a workshop on Image Processing using Matlab at Sathyabama University, Chennai.
- Ms.Mathubala (CSE) attended a workshop on Big Data Analytics at Anna University, Chennai.
- Mr.Cloudin, Mr. Sreekantha Kumar and Mr.Vejeey Subash (CSE) and Dr.M. Sivabalakrishnan (IT) attended a seminar on Research Grant Writing at Hotel Benz Park, Chennai.
- Mr. Prabakeran .S, Ms.Manjula and Prof..Nitiyanandam.N (CSE) attended a workshop on Research Techniques at KCG College of Technology, Chennai.
- Ms. K.Suba (S&H) attended a National Workshop on Green Chemistry at SSN College of Engineering, Chennai.
- Ms. R.Sumathi and Ms. Jayalakshmi (S&H) attended a National Workshop on Recent Advances in Mathematics and its Applications at Loganatha Narayanasamy Government College, Chennai.
- Ms. Bhuvaneswari Arvind (S&H) attended a Workshop on Crystallisation and Characterisation of Advanced Materials at Anna University, Chennai.
- Ms.Revathy Ravichandran and Ms. Hethesia (S&H) attended a workshop on Soft Skills Development at Vel Tech University, Chennai.
- Ms.G.Vetha and Ms.K.R.Subimol (S&H) attended a workshop on Realms of Electrochemistry 2014 at SSN College of Engineering, Chennai.
- Dr. Anita Manuel (S&H) attended a ten-day workshop on Imaging Cinema 2012: International Screenwriting and Film Making Course at IIT Madras.
- Ms G. Jayanthi (S&H) attended a National Workshop on Underwater Aquatics at SSN College of Engineering, Chennai.





## Sports Corner

### KC Tech Sports Stars in National Level Tournaments

- Our Volleyball players, N.Vysakh (IV EEE) and N.SARATH (III ECE) were selected to represent All India Inter University Volleyball Tournament held at SRM University, Chennai.
- Our Volleyball players, Steny. T. Chummar (IV EEE) and G.BAKIYALAKSHMI (III EEE) were selected to represent All India Inter University Volleyball Tournament held at Banaras University, Varanasi.
- Our Volleyball player, G.Bakiyalakshmi (III EEE) was selected to represent YOUTH NATIONALS Volleyball Tournament held at Kerala.
- Nine of our Volleyball players (Women) have been selected for ZONE-III Combined Team in Anna University Interzonal Volleyball Tournament for Women. They are: T.Athulya (IV CSE), K.A.Anjana (IV CSE), A.Divya (IV IT), N.S.Suganya (IV IT), Nancy (II IT), Steny. T. Chummar (IV EEE), A.Kavitha (III EEE), G.Bhakiyalakshmi (III EEE) and Shinu Mathew (III EEE).
- Our Football players, Kirubanandan (IV EEE) and Leoncious Britto (IV EEE) have been selected for ZONE-III Combined Team in Anna University Inter Zonal Football Tournament.
- Our Kabaddi player Arulpandian (IV ECE) has been selected for ZONE-III Combined Team in Anna University Inter Zonal Kabaddi Tournament.
- Our Table Tennis player Kiran Kumar (I MECH) has been selected for ZONE- III Combined Team in Anna University Inter Zonal Table Tennis Tournament for Men
- Our Table Tennis player R.Ashwini (III EEE) has been selected for ZONE-III Combined Team in Anna University Inter Zonal Table Tennis Tournament for Women.
- Our Tennis player Tanvir Hassan (IV IT) has been selected for ZONE-III Combined Team in Anna University Inter Zonal Table Tennis Tournament for Men.

### KC Tech Volleyball Team – Winners all the Way

#### TIES:

KC Tech Volleyball Team (Women) won the 1st Place for the 3rd Consecutive Time in TIES (Tamilnadu Inter Engineering Sports Volleyball Tournament) held at Adhiyaman College of Engineering, Hosur from 13 to 15 Feb'13.

#### PSN TROPHY

KC Tech Volleyball Team (Men) and Volleyball Team (Women) won the 2nd Place in PSN Trophy – a national level tournament – held at PSN College, Thirunelveli from 1 to 3 Feb'13.

#### SAI RAM TROPHY

KC Tech Volleyball Team (Men) won the 2nd Place in Sai Ram Trophy held at Sai Ram Engineering College, Chennai, on 28 & 29 Jan'13.

#### JAYALALITHA TROPHY

KC Tech Volleyball Team (Women) won the 1st Place in Jayalalitha Trophy held at Uthiramerur on 5 & 6 Jan'13.

### ANNA UNIVERSITY INTERZONE TOURNAMENT

KC Tech Volleyball Team (Men) won the 2nd Place in Anna University Interzone Volleyball Tournament (Men) held at Mylam Engineering College, Mylam on 10 & 11 Nov'13.

#### TABLE TENNIS

KC Tech Table Tennis Team (Men) won the 3rd Place in ANNA UNIVERSITY ZONE III Table Tennis Tournament (Men) held at Loyala College, Chennai on 4 & 5 Oct'12.

KC Tech Table Tennis Team (Women) won the 4th Place in ANNA UNIVERSITY ZONE III Table Tennis Tournament (Women) held at Loyala College, Chennai on 4 & 5 Oct'12.

### ATHLETICS

Our athletes won various medals in ANNA UNIVERSITY ZONE III Athletic Meet held on 17 Oct'12:

- KC Tech Women Team ( Athletics) won 3rd Place in Relay (4X100m)
- Shinu Mathew (III EEE) won Silver medal in 5000m.
- Laya (II ECE) won Silver medal in Discus Throw.
- Steny. T. Chummar (IV EEE) won Bronze medal in 800m and 1500m.
- A.Divya (IV IT) won Bronze medal in 400m.

### KC Tech NCC Cadets Bring Glory to KC Tech:

- KC Tech NCC cadet S.Nisanth (III AERO) was selected as one of the 20 best cadets from the 1 TAMILNADU BATTALION unit and participated for the 'Madras Republic Day Camp (MRDC)' parade on 26 Jan'13 at Marina Beach in front of our Hon'ble Chief Minister Selvi.J.Jayalalitha and Hon'ble Governor K.Rosaiyah.
- S.Ponmani (III ECE) won 1st Prize in Solo Dance competition organized by CATC Camp of 1 TAMILNADU BATTALION NCC at Kendra Vidyalaya, CRPF, Avadi.
- S.Nisanth (III AERO) won 2nd Prize in Solo Singing Competition organized by CATC-cum-RDC LAUNCH-1 Camp of 1 TAMILNADU BATTALION NCC at Vel Tech Engineering College, Avadi.

### Upcoming Events

- Motivation week
- Safety Week
- Recycle week
- IET Intra Departmental Project Challenge 2013.

