

PASSION NEVER DIES



IEEE RESONANCE



IEEE Women in Engineering
We

 Kongu
Transform Yourself

FROM STAFF'S DESK

PROF K.NARAYANAN,
IEEE COORDINATOR



It gives me great pleasure to write a few lines for the Kongu Engineering college IEEE student branch News Letter 'IEEE RESONANCE' for the year 2013.

Everyone in our college and also good number of colleges belonging to IEEE Madras section appreciate the good work being done by KEC IEEE student branch in terms of mobilizing a very active and voluntary student members and also conducting activities – both technical and non-technical but socially relevant activities.

Hence it is no surprise that this branch has for the fifth year in succession has won awards from the Madras Section. This year apart from the awards for the membership strength and for the activities conducted from the section, the branch has also won the 'Students Enterprise Award' - being awarded by IEEE USA considering the various proposals put forth by student branches around the world out of which around 10 projects have been short listed for the award this year.

Let me heartily congratulate, on behalf of the Management, Principal and the faculty Members of the College, the student members and the office bearers for their untiring efforts. Special congratulations are due to our 2012 IEEE GOLD members Mr. Angu Sundaresh and Mr. Sakthivel for their contribution in conceiving and putting forth our proposal for the 'Students Enterprises Award'. It is heartening to note that around 25 students - present third year and second year - have volunteered to take forward the project 'Synthetic Vista' which has won the award to its logical conclusion and complete a truly collective 'Students Enterprise'.

Let there be more innovative student programs by the KEC branch during 2013. Let there be a continuous goal of doing better and following the theme of 'Advancing Technology for Humanity' which has sustained the IEEE over the last more than 125 years. All the IEEE members should ponder over this theme over and over again and in their own way contribute to the true spirit of the same.

STAR PROGRAMME



STAR PROGRAMME-REPORT

The WIE Students' Chapter of Kongu Engineering College conducted a STAR Programme for a team of students belonging to the 10th and 12th grades of Ramaraj Municipal School, Erode on the 1st of September 2012. The squad of 40 students were accompanied by three teachers. The aim of the programme was to spread a word of awareness about the latest technologies and the various career opportunities open up for them once they terminate their schooling. The session was initiated by a career guidance presentation to the students by Prof.K.Narayanan-Staff co-ordinator of IEEE. This was followed by a field visit, in which the students were given hands on exposure to a few of the sophisticated laboratories in the college. The students were exposed to the infrastructure of the college as well. Lunch was then provided to the students who were a part of this programme. A lot of team building and brain training activities were conducted in the afternoon. This included news paper reading, puzzle solving, a general knowledge quiz and other team events to improve concentration and performance. All of the students were given a chance to come up to the stage in boldly and face the audience. The students thoroughly enjoyed the programme and participated with complete enthusiasm. Finally, an interaction session was conducted in which, valuable feedback was obtained from the students and the teachers. Certificates were given to the winners of various events.

FROM PRINCIPAL DESK



Prof. S. KUPPUSWAMI
Principal, Kongu Engineering College

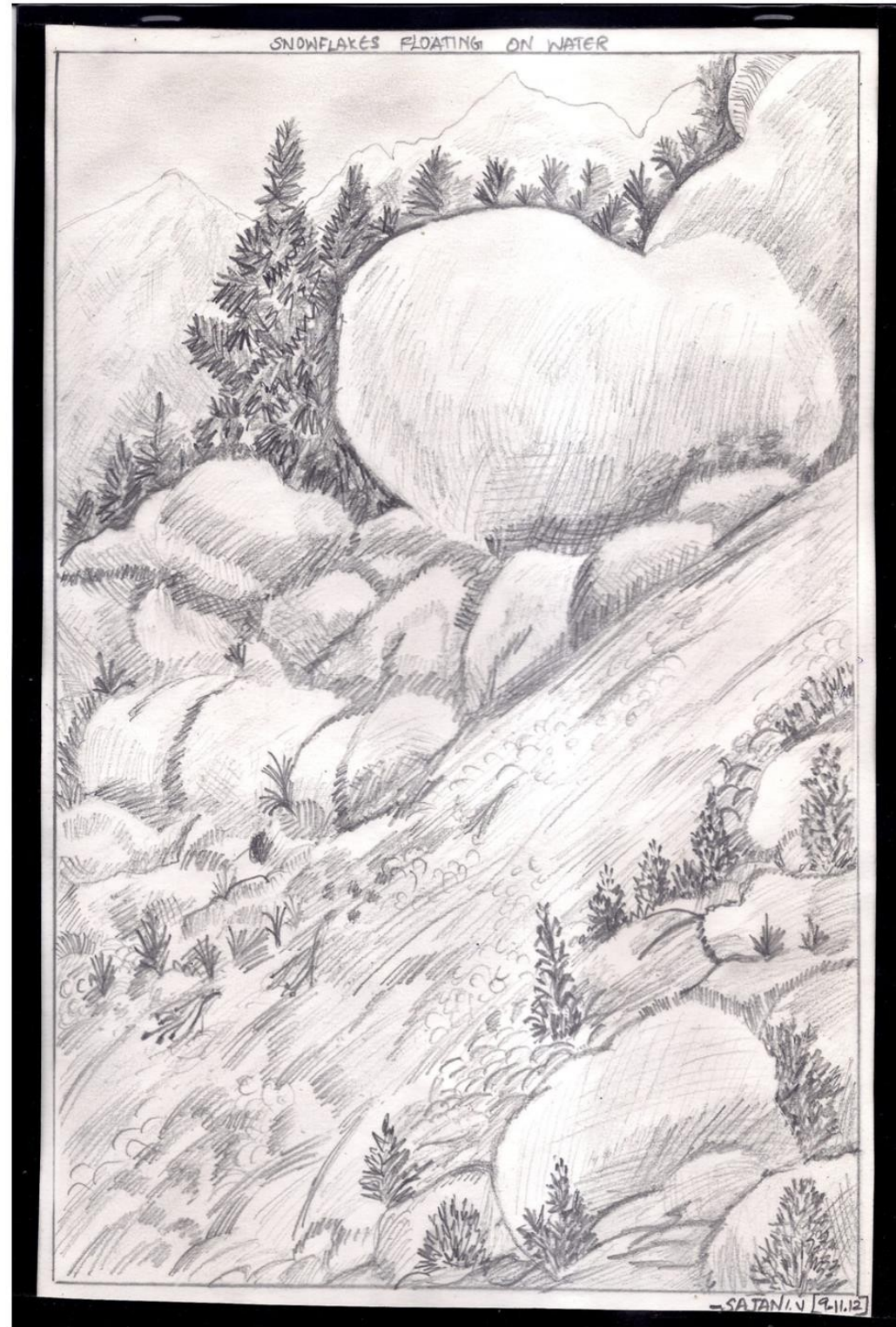
As the branch counsellor of IEEE Student Branch, Kongu Engineering College, it is my pleasure to mention that the growth of IEEE has been very much consistent and I am happy with their constant performance.

The Student Teacher and Research (STAR) Programme conducted by the students of the branch, at college was an eye opener for the rural students. And also the Technology Awareness Programme (TAP) conducted by the branch at the government schools was beneficial for the students. The various events conducted by IEEE helps in developing the skills of students. Student Transition and Elevation program organised by IEEE student branch was a successful and innovative one.

The newsletter of the branch "IEEE Resonance" is a platform for young vibrant engineers to exhibit their technical views. I wish the readers of IEEE Resonance make the most use of the magazine.

I hope the members of IEEE student Branch utilize their membership to the fullest and participate in the activities organized by the branch.

IEEE ARTISTS



STEP



STEP PROGRAM

The IEEE Madras Section GOLD Affinity Group in association with IEEE Student Branch (29741) organized the Student Transition and Elevation Partnership (STEP) program on 15th December, 2012 at Kongu Engineering College, Perundurai, Erode. The purpose of the IEEE STEP event was to promote and encourage graduating students to continue to participate within IEEE upon graduation as professional members. The event had an excellent response and had a turnout of 44 Graduating Student members from various colleges and 7 GOLD members.

The Inaugural session commenced with a Silent Prayer. Mr. S. Manoj, Additional Secretary IEEE briefly explained the objectives of the STEP program and warmly welcomed the gathering. Prof. K. Narayanan - Staff co-coordinator of IEEE felicitated the occasion. In his address he congratulated the IEEE student branch for all their efforts to conduct the STEP event and also explained the benefits of GOLD membership. Prof. S. Elangovan, Vice Chairman, IEEE Madras GOLD Affinity Group addressed the vision and mission of the STEP program and encouraged the students to do research in specific areas and come up with new solutions for society. He also mentioned about the Madras section executive members who are still excelling in their field along with IEEE. This was followed by interaction of GOLD members. They shared their experience with IEEE and also how it helped them in their career. This was followed by activities conducted by Mr. Jeffrin and Mr. Arun from St. Xavier's Catholic College of Engineering. They briefed about IEEE and conducted some events for the students.

Then the session broke for lunch. The post lunch session was a lecture by Mr. Indrasen Raghupatruni, Robert Bosch Engineering and Business Solutions Limited RBEI, Coimbatore who enlightened the audience with his session on 'Hybrid Vehicles'. He explained the safe driving and also about the various current technologies that are implemented by BOSCH. He shared with the audience, his thoughts and challenging episodes from his professional life to enrich the young graduates on the challenges and risks associated in becoming a professional by building a successful background. Then the certificates were given to the students who attended the function. The vote of thanks was proposed by Ms. S. Pavya Bharathi, Joint Secretary, WIE-KEC. The function came to an end by extending gratitude to our motherland through the National Anthem.

Computer World

Open your world

“EDIT” your character

“EJECT” your jealousy

“HIDE” your selfishness

“FILE” your experiences

“SAVE” your happiness

“INSTALL” good values

“FILL” colours of joy

“SELECT” good friends

“COPY” the greatness of others

“REDO” positive thoughts

“UNDO” negative thoughts

“ESCAPE” your conflicts

“DELETE” your greed

It's a sure “SHUT DOWN” for Ego

START and STOP not till your goal is reached.

- Ashwini

II CSE A

HEIGHT OF OPTIMISM

I am not lazy, I am in my power saving mode!

YEAR PLAN

The activities of IEEE & WIE for the year 2012-13 started with the inaugural function on 6nd July 2012 .The chief guest for the inaugural function was Prashant R. Nair, Excom Member, IEEE Madras Section.

Following the inaugural, came the INVOKE'2012, a one day function on non-technical events organized by WIE, an affinity group of IEEE student branch on 21.07.2012.After invoke, Ferret-a non technical symposium which was held on 3rd August 2012. The open house exhibitions for the year 2012 commenced on 16th august and lasted till 18th august. It provided the students, a right platform to exhibit their talents and apply their knowledge practically. On

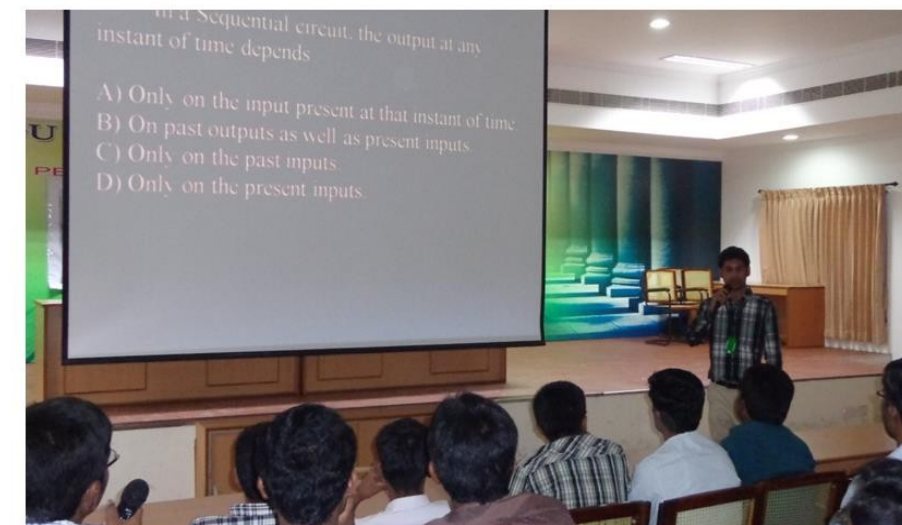
Sept 1, 2012, the SPAVE ZETA, an inter-departmental technical function was organized by IEEE/WIE student branch and on the same day, a STAR Programme for a team of students belonging to the Ramaraj Municipal School, Erode was conducted.

The IEEE/WIE Student Branch of Kongu Engineering College organized a guest lecture on 15th September 2012 on the topic "Curerent Trends in Automotive Electronics Using Embedded System" by Mr.D.Ramesh. The Awareness Program for Sripariyur Amman Higher Secondary School, T.N.Palayam school students was conducted on 07th December 2012

Avanzare'13, a two day National Level Technical Symposium is to be held for the IEEE members across the country on Feb 13 and 14th. This symposium is aimed at conducting competitions like paper presentation, idea presentation, C-debugging and much more. Apart from these we have a workshop on the latest trends of LabView for all the participants.

To mark the end of the activities for the academic year, we have the valedictory function. This year we are privileged to release the newsletter of the branch, IEEE Resonance and the website(www.ieee.kongu.edu)

SPACE ZETA



SPACE ZETA

The SPACE ZETA, an inter-departmental technical function was organized by IEEE/WIE student branch on 1st Sep 2012. The program began with a prayer song at 11.10AM. The function was declared open by Mrs.V.R.Saraswathy, IEEE Staff-Coordinator. **Welcome address** was proposed by Mr.Sreenath, Treasurer of IEEE branch, KEC. The students were short listed for the finals after the preliminary rounds for various events. The events for the day started with **“Paper whiz”** to present ideas and views about the various technical aspects in their domain. Simultaneously the event **“Project expo”** was conducted for the other participants, the event was about helping in enhancing the participants’ awareness about the research and ongoing projects in their stream. This was followed by **“Code debugging”** for the participants to show their command over the programming languages. The remaining students participated in **“Predefined definido”** which was to frame a technical question over the worst pollution problem. Our afternoon session began with **“Poster Presentation”** to exhibit the innovative ideas of the students. The next event was **“Autobots”** which was a chance to induce a silver of the student’s intelligence in bots. Simultaneously, the students participated in the **“Digitrix”** to gear up and sharpen quizzing skills for the battle of knowledge on technology before the countdown timer starts beeping! And the final stage of **Predefined definido** was conducted for the short listed members in the prelims. Prof.K.Narayanan Staff co-ordinator of IEEE/WIE student branch distributed the Prizes and certificates for various events. And the day ended after the **“National anthem”**.

ACHIEVEMENTS

IEEE Student Branch of Kongu Engineering College had been the recipient of 2013 - **Student Enterprise Award** and the **Membership Growth award** in IEEE Madras Section-Region 10 for our consistent performance. Also we won IEEE Project Funding recently.

The IEEE Madras Section GOLD Affinity Group in association with IEEE Student-Branch(29741) organized the Student Transition and Elevation Partnership (STEP) program on 15th December, 2012 at Kongu Engineering College, Perundurai, Erode. The purpose of the IEEE STEP event was to promote and encourage graduating students to continue to participate within IEEE upon graduation as professional members. The event had an excellent response and had a turnout of 44 Graduating Student members from various colleges and 7 GOLD members.

Kind words can be short and easy to speak, but their echoes are truly endless-Mother Teresa. In view to her point the WIE students chapter of Kongu Engineering College conducted a Technical Awareness Programme for a team of students belonging to a W.J Care centre, Perundurai, Erode an orphanage home on 29th December 2012.



IEEE INAUGURAL REPORT

CONDUCTED ON - 06/07/2012

CHIEFGUEST OF THE DAY:

Prashant R. Nair
Executive Committee member, IEEE Madras Section
Vice-Chairman - Information Technology and Accreditation,
Amrita University, Coimbatore

INAUGURAL REPORT:

The Inaugural function of the IEEE Student Branch along with the WIE affinity group of Kongu Engineering College was organized on 6th July 2012. The function began at 2.15 pm with prayer song and the lighting of the traditional Kuthuvilakku.

Prof.K.Narayanan- Staff co-ordinator of IEEE his speech with a warm welcome to the gathering. Then he gave a short report about the student membership details and the activities taken by the students in our college. He also encouraged the students to actively participate in renewable energy and the conservation of the resources within the institute to start with. He also required the IEEE members to be socially relevant, responsible and energy conserving. He invited students to come up with innovative ideas.

Mrs.V.R.Saraswathy, Staff co-ordinator introduced the office bearers for the year 2012-2013. The year plan for IEEE was proposed by Mr.N.GokulSankar, Chairman – IEEE and the year plan for WIE was proposed by Ms.K.G.Preethi - Chairperson – WIE.

This was followed by the Chief guest's speech. Mr.Prashant R. Nair gave an inspirational speech in which he gave tidings of IEEE. He also suggested us to try for various awards that are given by IEEE Headquarters. He also threw light on the present competitions that students will have to face when they complete their degree and briefed them for the students. The function got concluded at 3.45 PM after the formal vote of thanks proposed by treasurer of the students' branch Mr. Srinath, presentation of the memento to the chief guest and finally after extending gratitude to our motherland through the National Anthem.

IEEE INAUGURAL FUNCTION

