The IMPETUS

for a change..

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EDITORIAL

It gives us all great pleasure to unveil the second issue of "The Impetus", after its positive response at Tvastra - the department symposium, which itself, needless to say, was a grand success.

Kudos to all the staff & student coordinators for making Tvastra possible!

This issue of "The Impetus" offers you a look into the impressive potential of our students. We thank each and every one for their immense responses despite their other engagements.

We extend our gratitude to our HoD - Dr. Amos H. Jeeva Oli for his constant encouragement and care. Thank you Sir!

Calculating Frequency ????

its so easy that it HERTZ!!!

Heinrich Rudolf Hertz

(b. Hamburg, Germany, 22nd Feb. 1857, d. Bonn, Germany, 1st January 1894), a physicist, whose research has come to be regarded as the starting point of radio, it was he who first detected and measured electromagnetic waves in space. The SI unit of frequency was named after him, Hertz (Hz).

"One cannot escape the feelings that these mathematical formulae have an independent existence and intelligence of their own, that they are wiser than we are, wiser even than their discoverers..."

Transparent Smartphones

[Vishnu Mohan, 3rd year]

Inventors, Jung Won Seo, Jae-Woo Park, Keong Su Lim, Ji-Hwan Yang and Sang Jung Kang, who are scientists at the Korean Advanced Institute of Science and Technology, have created the world's first transparent computer chip. The chip, known as TRRAM (Transparent Resistive Random Access Memory), is similar to existing chips known as CMOS (Complementary Metal Oxide Semiconductor memory), which we use in new electronics. The difference is that TRRAM is completely clear and transparent. Jung Won Seo calls it a new milestone of transparent electronic systems. By integrating TRRAM with other transparent electronic components, we can create a totally see-through embedded electronic system. The technology could enable the windows or mirrors of your home to be used as computer monitors and television screens. This technology is expected to be available within 3 to 4 years.

And Now, Metal gets its Revenge!

[Deva Preethi, 1st year]

Water often damages metals, causing rust and decay. Thanks to an innovative laser process, metal is getting its revenge. University of Rochester scientists, Chunlei Guo and Anatoliy Vorobyev have developed a technique using extremely precise laser patterns that renders metals super hydrophobic. The structure sort of mimics the structure of a lotus leaf, in some way. The structures are intrinsic to the material surface. That means they won't rub off. It took the scientists an hour to treat a 1 by 1 inch sample and required extremely short bursts of the laser, lasting a femtosecond, or a millionth of a billionth of a second. Water actually bounces off the surface and rolls away. The difference is that, you need to tilt the surface to nearly a 70-degree angle before the water begins to slide off. You can make water roll off Guo's metals by tilting them less than five degrees. The possibilities are endless, Kitchenware; Airplanes: No more worrying about de-icing; Stanitation in poor countries: it's essentially self-cleaning.
Watch out, water.

Not a rule:

[Gowtham Vishwanathan, 3rd year]

Life is my birth right,
you can't deter me from living,
if you try so,
i'll succeed although.

you have to worry a lot,
because am the one not out of a lot,
am unique of all,
peculiar to others aftr all,

with the guts i own,
i'll break the hurdles thrown,
by you, to resist me,
from achieving my destiny.

i'll beyound you go,
and yourself regretting so,
there you're forgiven,
but forever forbidden.....

Did you know

""The invention that got electronic communications started was the telegraph. It was invented by Samuel Morse in 1836. He also developed the Morse Code which allowed the signals that the telegraph sent over wires to represent words and phrases.""

Guest Column

Mother Tongue

A great threat to Indian culture now is westernization. It has gradually created an impact on cities and now slowly it is reaching the sub-urban areas too. Taking good things from western culture is not harmful. However, losing our own identity, is. We are slowly losing our culture, traditions, heritage, languages and even our food habits. The major impact I can sense in the current generation is in the language. When I worked overseas for a Chinese managed University, I noticed something, from the top to the low level, when two Chinese people meet, they talk only in Mandarin. But we Indians feel proud only when we communicate in English. While Indian languages grew rich in grammar and literature, Westerners were just nomads. In China and Japan they give great importance to their mother tongue, which is also developing day by day. Talking in our mother Tongue drew us closer as the language directly touches the soul. One should not feel ashamed of talking in our own language. Keep English for official use and your mother tongue for your personal use.

Mr. Sadasivam, Asst Prof. ECE

Report

7.2.15: Tvastra, our department Symposium, turned out to be a grand success. Around 300 students from various colleges participated. We did our college proud!

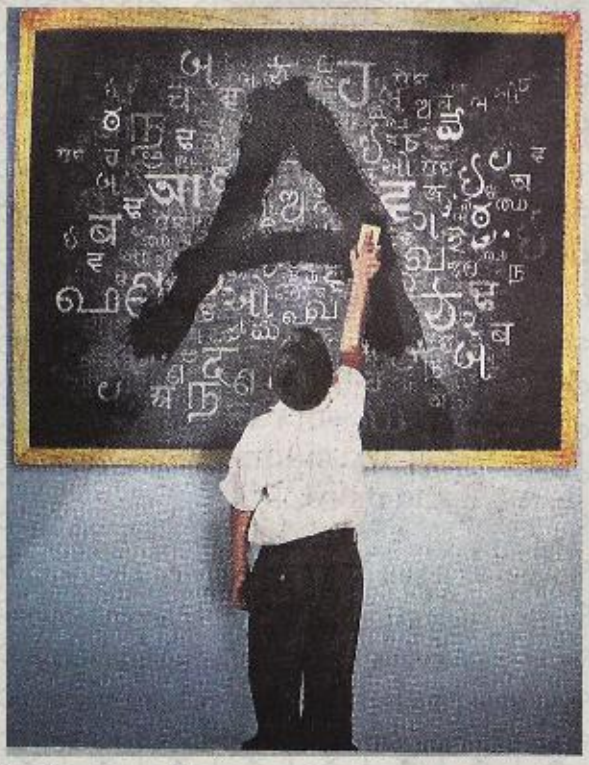
16.2.15 & 17.2.15: Second year students visited All India Radio station.

17.2.15 & 18.2.15: Third year students attended a seminar held by Mr.Balajee Seshadri, Chief Technologist, Electronics Systems Pvt. Ltd. [Surabee].

18.2.15: Third year students attended a seminar held by Mr.Venkatesan, Sr.Executive Business Development from TIME.

19.2.15:Webinar
Introduction to Computer based Measurements with NI Lab View
Fundamentals of Data Acquisition

20.2.15:Webinar
Advanced Analysis & Math tools in Lab View
Managing & Reporting Measurement data



Did you know

""Radios have been used for a long time, but in the 1990's, cell phones started to become popular. Cell phones send information using radio frequencies through the air. New technologies have allowed for faster signals and even video to be sent to and from cell phones ""

Student's Speak

How is social life in high school different from social life in college?

In terms of meeting new people, it's easier to do in college than, say, after switching to a new school in eighth grade. Every college freshman is new to the school, so it's a lot less awkward to introduce yourself.
— college freshman

If you live in a dorm, it is like being at a massive sleepover with all your friends, every night. People are just a few doors down and always looking to hang out. Therefore, it takes profound skill to juggle both academics and a social life
-3rd year

Photo Bucket

The Crew behind the successful TVASTRA syposium conducted by our Dept. lead by HOD Dr. Amos H. Jeeva Oli along with the staff and student Co-ordinators of every event conducted.

Event Chief Guest Mr.Gangadhar Kondandram, Regional Head, Microsoft, Chennai releasing the department news letter titled "The Impetus" after his inspirational speech during the Inaugration.

Upcoming EVENTS

18th March Advaitha 2015- Tagore Engineering college

19th Xion 2015-SRM UNIVERSITY

20th CORICS2K15 ECE Sympos Adhi College of Engineering and Technology

21st Android Amaze 15 Hackathon VIT University Chennai Campus

21st C-geeks 15 CSE Sympo Sree Sastha College of Engineering

26th ICONSTEM 15 International ConferenceJeppiaar Engineering College

27th National Conference on Innovative Vogue ECE Madha Engineering College

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