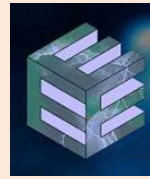


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The Right Spark
June 2K17, Volume: 02, Issue: 06

A NEWSLETTER OF ELECTRICAL & ELECTRONICS DEPARTMENT

EDITOR'S VOICE:

Airborne wind turbine



The airborne wind system which are lighter than air

This Altaerod Airborne Wind Turbine, which makes use of an inflatable shell filled with helium, allowing it to gain high altitude. This gives it better access to more consistent and stronger winds, much higher than those turbines mounted on towers. The power uses tethers to reach the ground. Harnessing winds at higher altitudes will allow the turbine to reduce the costs of energy by almost 65%. Since it has a unique design that is easily installed, the start-up time amounts to only days, which means that each shell can be prepared and assembled more readily, for increased energy production.”

- Mrs. A. Jyothirmaye

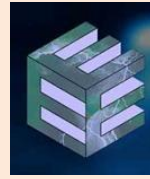
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Editors:

Mrs. A. Jyothirmaye
Mr. O.H. Kiran Kumar

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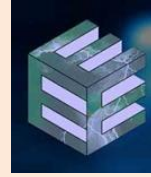
IIP Cell

INTERACTION WITH TCS HR TEAM

TCS Talent Acquisition HR team , Mr. Avinash Raman and Mr. kartikeyan visited the campus on 20th June 2017 and interacted with students of final year. The main objective is to create awareness about hiring process in the company. They explained the technical skills on which they are going to hire the students.



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DEPARTMENT**

KITS-NSS Committee

INTERNATIONAL YOGA DAY:

On the occasion of Third “International Yoga day” on 21st June 2017 , KITS- NSS Team organized an awareness program on YOGA . Yoga guru ji Sri. Mallikarjuna rao garu graced the occasion and addressed the students how yoga helps to keep both physical and mental balance . He told “ A Healthy mind in a Healthy Body can be attained by practicing yoga 30 minutes daily.



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*Awareness program on "Importance of English
ommunication" by Sri.Aravind:*

An awareness program was arranged for the students on 23rd of the June for the improvement of the communicational skills for the 3rd years. Mr. Aravind has motivated the students and guided the students regarding the English communication and role of importance in the placements and competitive exams.



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The Right Spark

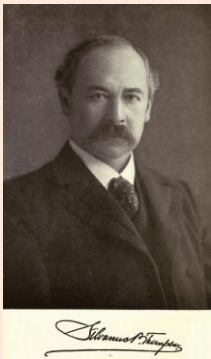
June-2K16, Volume: 02, Issue :06



**A NEWSLETTER OF ELECTRICAL & ELECTRONICS
DEPARTMENT**

SCIENTIST OF THE MONTH:

Silvanus P. Thompson (19 June 1851-12 June 1916):



was a professor of physics at the [City and Guilds Technical College](#) in [Finsbury](#), England. He was elected to the [Royal Society](#) in 1891 and was known for his work as an [electrical engineer](#) and as an author. Thompson's most enduring publication is his 1910 text [Calculus Made Easy](#), which teaches the fundamentals of [infinitesimal calculus](#), and is still in print.[3] Thompson also wrote a popular physics text, [Elementary Lessons in Electricity and Magnetism](#), [4] as well as biographies of [Lord Kelvin](#) and [Michael Faraday](#).

Thompson's particular gift was in his ability to communicate difficult scientific concepts in a clear and interesting manner. He attended and lectured at the Royal Institution giving the [Christmas lectures](#) in 1896 on *Light, Visible and Invisible* with an account of [Röntgen Light](#). He was an impressive lecturer and the radiologist AE Barclay said that: "None who heard him could forget the vividness of the word-pictures he placed before them."

In 1891 Thompson developed the idea of a telegraph submarine cable that could increase the distance of the electrical pulse and therefore increase the speed of transmitting words across the telegraph cable. electrical structure of the cable (something like [coaxial cable](#) today). His idea, written about by Charles Bright in his book "Submarine Telegraphs", discusses the idea that the two wires could be designed as separate conductors but along their path they would be connected by an induction coil. This would allow for the introduction of capacitance and therefore allow for the distance of the electrical charge. This was a design that would help revolutionise submarine telegraphy and the future of telephone submarine systems.