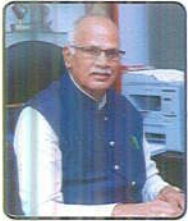




Message by Academic Director



It is indeed great pleasure to see the full richness of the department in this news letter through several activities and academic accomplishments. A lot needs to be desired in this direction. Kudos to the team behind this great effort!

Prof. A. Sessa Rao

Message by Principal

The Department has progressed much in its journey towards achieving many laurels. The newsletter reflects those positive vibes and flashlights of momentum in its coverage of news and achievements of faculty and students. Hearty Congratulations.



Dr. J. Sudhakar

Message by Head of the Department



With great pleasure and honour, I absolutely feel pleased to claim that the focus of the department is to empower and enrich our students with comprehensive growth indices and attitude. We are working overboard to chisel the students with multi-dimensional skill sets and to focus on Outcome Based Education by innovative pedagogy, Industry-Academic interaction and doing projects etc. With best wishes!

Mr. Ch. Ramesh Babu

Vission

To emerge as a center of excellence in the field of Electronics & Communication Engineering to produce competent women engineers with ethical values

Mission

M1 : To train the globally employable engineers through effective teaching learning process, industry ready skills and value added courses.

M2 : To promote highr education and research initiatives through continuous industry interaction and special skill development programs.

M2 : To promote ethical values, personality and leadership skills through extra and co-curricular activities.

Editorial Board

Chief Editor :

Prof. J. Sudhakar

Principal

Editor :

Mr. Ch Ramesh Babu

Assoc. Prof & HoD-ECE

Members

Prof. T. Radha Krishna Murty BS&H

Dr. K. Ramana Rao, Assoc. Prof.

Mrs. B. Manjula, Asst. Prof.

Mrs. Sushmita Mandal (IV ECE)

Mrs. S. Leela Kumari (III ECE)

1. FDP/Courses Attended by Faculty

Courses and FDP

- ❖ Mrs. T.Sandhya kumari done an online NPTEL course on "Pattern Recognition and Applications" by Swayam NPTEL from Jul-Oct 2019.
- ❖ Mrs.S.Malathi done an online NPTEL course on "Microwave Theory and Techniques" by Swayam NPTEL from Jul-Oct 2019.
- ❖ Mrs.Ch.PadmaVani done an online NPTEL course on "Sensors and Actuators" by Swayam NPTEL from Jul-Oct 2019
- ❖ Mr.K.Sunil Kumar done an online NPTEL course on "Sensors and Actuators" by Swayam NPTEL from Jul-Oct 2019
- ❖ Mrs.Ch.AnithaBhavani done an online NPTEL course on "Principles and Techniques of Modern Radar Systems" by Swayam NPTEL from Jul-Oct 2019.
- ❖ Mrs.Y.Alekhyha done an online NPTEL course on "Hardware Modelling Using Verilog" by Swayam NPTEL from Aug-Oct 2019.

2. Faculty publications:

- **Mr. Dr. J. Sudhakar** Assoc. Prof., published a paper on “Low Power Aware Standard Cells using Dual Rail Multi Threshold Null Convention Logic Methodology” in **Microprocessors & Microsystems, Elsevier and SCI of Vol.68 , Jul-2019.**
- **Mrs.Y Alekhya** Assoc. Prof., published a paper on “Quasi FGMOS 6T SRAM cell design: A Strategy for low power applications” in **International Journal of Nano Science, ESCI and Scopus of Vol.19,Issue:2 , Jul-2019.**
- **Mr. Ch. Ramesh Babu** Assoc. Prof., published a paper on “Analysis and Comparison of ECG Signal Quality assessments Methods” in **Scopus of Vol.989 , Aug-2019.**

INDIA'S SPACE FANTASY

- Launching a small rocket from Thumba on the outskirts of Thiruvnanthapuram to a world await CHANDRYAAN-2, another feather in india's space era.
- The name Chandrayaan-2 mean 'Chandra-Moon, yaan-vehicle' in Indian language(Sanskrit and hindi).
- Chandrayaan-2 was India's second mission to the moon, launched from the Satish dhawan space centre in Sriharikota, india on july 22,2019. The aim of chandrayaan-2 is to demonstrate the ability to soft-land on the lunar surface and operate over robotic rover to explore the moon's south pole region which is a spot for presence of water. Scientific goals include studies of lunar topology, mineralogy, lunar exosphere and signatures of hydroxyl and water ice. This indigenous mission includes a lunar orbiter, a rover 'Pragyan' and lander 'Vikram'. ISRO used Earth's gravitational force to acquire energy instead of using large amount of fuel. Chandrayaan-2 successfully passed this stage with this unique technique. The lander safely separated from orbiter and rotated around moon to reduce the speed for safe landing. Chandrayaan-2 covered a distance of 384,400kms in the 48 days since its launch. Further just around 2.1km from the lunar surface chandrayaan-2 lost its connection with ISTRAC(ISRO Telemetry, Tracking and command network) due to “technical snag”.
- But ISRO successfully reached 95% of its expectations on this mission with a less budget of 970rcore and a small technology demonstration component with big size science component. “ISRO would have taken billion dreams to moon with Chandrayaan-2”.

ARTICLE ON WOMEN EMPOWERMENT

Women Empowerment ison extremely important thing / concept that needs to be accomplished in today's society. The rights that women enjoy today are the fruit full results of the fights that the empowered women fought oagainst for. These Empowered women hare proved that it is time that women, too can enjoy all the freedom and rights that are actually set up and existing in todays society for Women. India is a country that lacks women empower ment. The



Women Empowerment

girls in India don't hare the access to higher education. Instead the girls are forced, to get married at a young age. Child mari-riages are predominant as well prevalent in the country. The Women are a not able to pursue a career of their own choice because they don't have education, infact proper guidance. So to refrain all such activities which are set against Women, and which is acting like an obstacle for their upgradation, Women empower ment is the best ever way in India.



Pratima Yadav
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VIGNAN'S

INSTITUTE OF ENGINEERING FOR WOMEN

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