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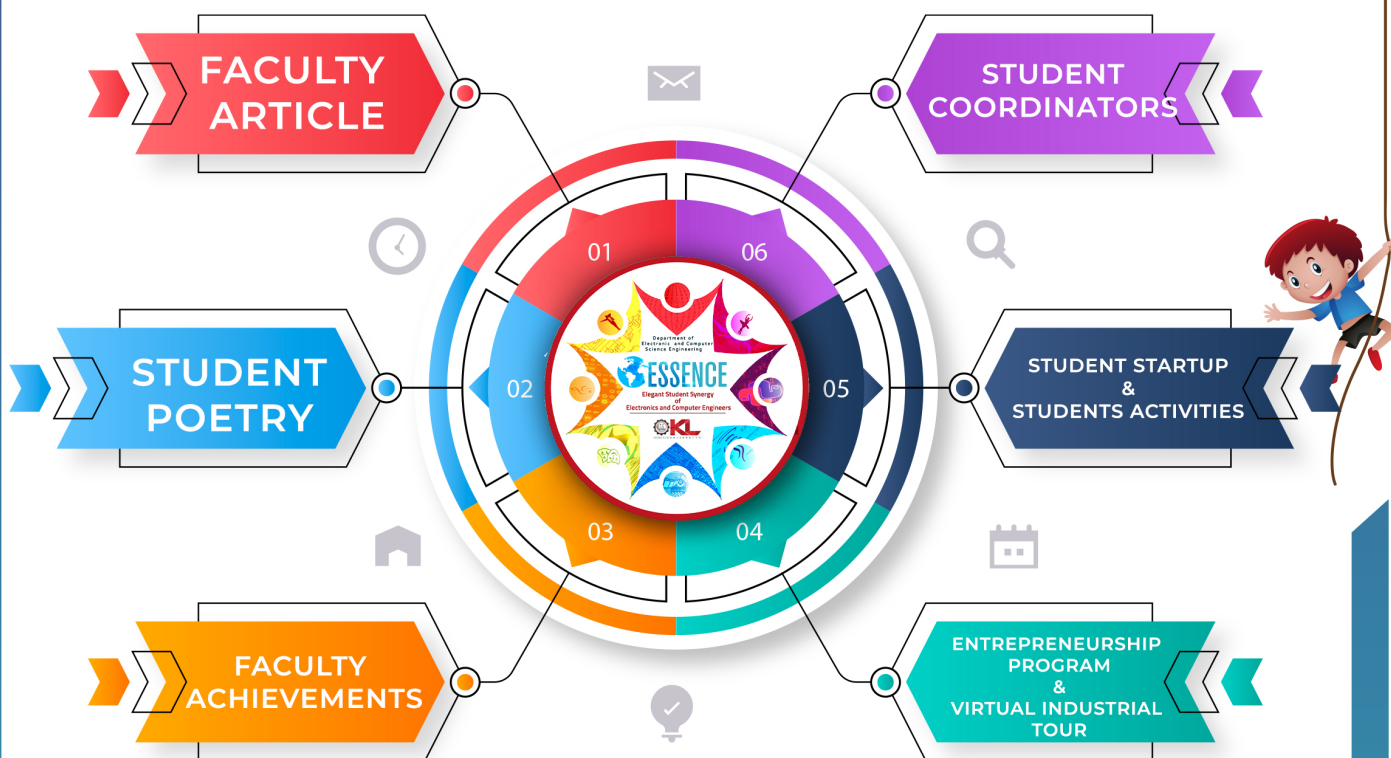


NEWSLETTER

THE LYCEUM

VOICE OF ECM

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ABOUT THE DEPARTMENT

Department of Electronics and Computer Science (ECS) is a course that aims to combine two separate fields of engineering to meet demands made by electronics and computer industries. This program has been developed in response to the industry demands to develop students hardware and software engineering skills in an integrated way. Our curriculum focuses on many real-time applications, which includes smart homes, smart city, smart traffic management, smart agriculture, healthcare applications, web designing, cyber security, automotive electronics, environment monitoring etc.

The undergraduate course mainly focuses on electronics courses like analog electronics, digital electronics, embedded system, communication system and computer courses like logical thinking, data structures and algorithms, DBMS, Web development, computer network, software engineering, Internet of Things (IoT), Machine Learning, Artificial Intelligence, Deep Learning etc. Our department provides a specialization in Embedded Systems, Web Technologies, IoT (Internet of things), VLSI, Artificial Intelligence and Machine Learning etc. And department offering one Post Graduation programme, (Embedded Systems) which suits for industrial needs.

The Course helps the students to enter into various professions as Embedded Engineers, Firmware Engineers, Software Engineers, Software Developers, Web Application Developers, IoT Application Developers, Automobile Electronics Engineers, ICT (information Communication Technology) Engineers, VLSI Engineers, Forensic Engineer etc. Many companies need engineers with hardware and software knowledge, and our students conform to their requirements. Our department provides proficiency in many aspects of the student's career like assistance for master degree program both in and out of the country through GATE, GRE, TOFEL, IELTS etc.

OUR VISION

To impart value-based, state-of-the-art education and motivate students to become socially committed professionals for their overall development

OUR MISSION

To promote innovation centric education and perform cutting edge research in interdisciplinary and multidisciplinary areas

FACULTY ARTICLE



What do you do if you forget your password?

You may type in two or three other passwords that you remember to gain access. Do you know that there is a cyber-attack based on this approach?
“Brute force attack”

How does it work?

To open a lock, a thief may use many possible keys that match the lock. Similarly, in a brute force attack, an attacker tries to hack an account by trying various combinations of characters for passwords. ☒ The hacker does not exploit any vulnerability in the application. It is just a trial and error method for finding out a password that opens your account. ☒ Hackers commonly use automated tools to guess all possible passwords. ☒ This is an old but still effective attack method for “cracking” common passwords. ☒ Using this attack, hackers can easily break weak passwords in a matter of seconds and strong passwords can typically take hours or days.

To prevent Brute Force attacks,

- Set long complex passwords
- Use two-factor authentication
- Avoid commonly used password patterns

What is Cyber Warfare?

Cyber Warfare is an online attack on a nation by another nation or groups that operate to harm a country. ☒ It aims to weaken an enemy’s military, civil infrastructure, or to influence the thinking of citizens. ☒ Unlike standard weapons of destruction, Cyber Warfare is challenging to trace.

Types of Cyber Warfare

Propaganda - Influencing the minds of the people living in the targeted country by spreading disinformation.

Espionage - Spying on another country to steal secrets.

Denial-of-service-attack- Flooding a website with fake requests, forcing the site to process those requests, thereby making it unavailable for real users.

Critical Infrastructure - Hacking the electrical power grid, oil supply chain etc. could give an attacker the ability to disable communications, transport etc.

Economic Disruption - Attacking the computer networks of economic facilities like stock markets, payment systems, or banks.

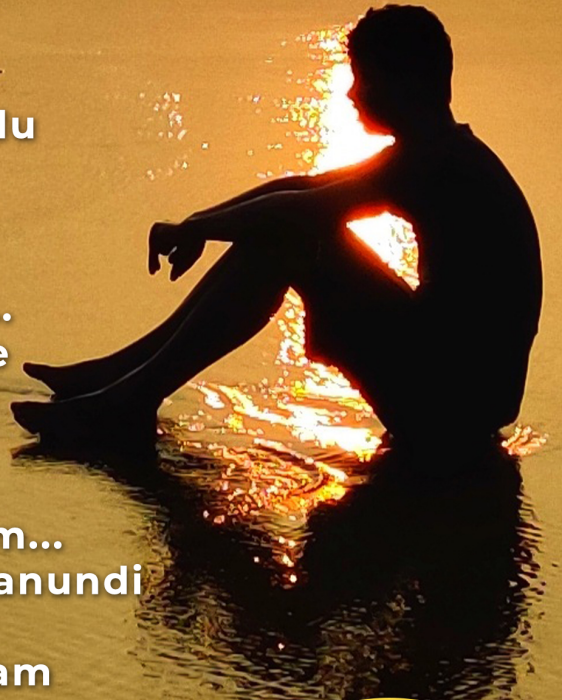
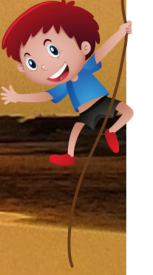
Surprise Cyberattack - Massive strikes that catch the enemy off guard, weakening their defenses. It’s like Pearl Harbor or the 9/11 attack happening in a digital space.

Mrs.K.KRISHNAVENI
Asst.Professor





E samudrapu odduni penaveskunna
matti kanna ekkuvaga
E Samudranni evarina
preminchagalara...?
Endukante andaru aa samudrapu oddu
na nadichi vellina adugu jadaluvadilesi
vellipoyevalle kani...
Aa matti matram aa samudramtho
patu akkade undipotundi
E samudram nunchi veeche
Aa challani gaali...
Ningilo astamistunna aa suryudu
Teeram lo kurchuni unde
ontartanam...!
Aa samudram cheppe matalu...
Aligi venakki vellipoye aa alalu...
Manathone atukkuni undipoye e
samudrapu matti...!
Konni anubuthulu anthe...
Matalatho varninchalem...!
manasunundi eppatiki teseyalem...
Eppatiki...aa samudrapu neda nanundi
vidiponi samayana...
Aa alala sandramlo kalusukundam
~NAren



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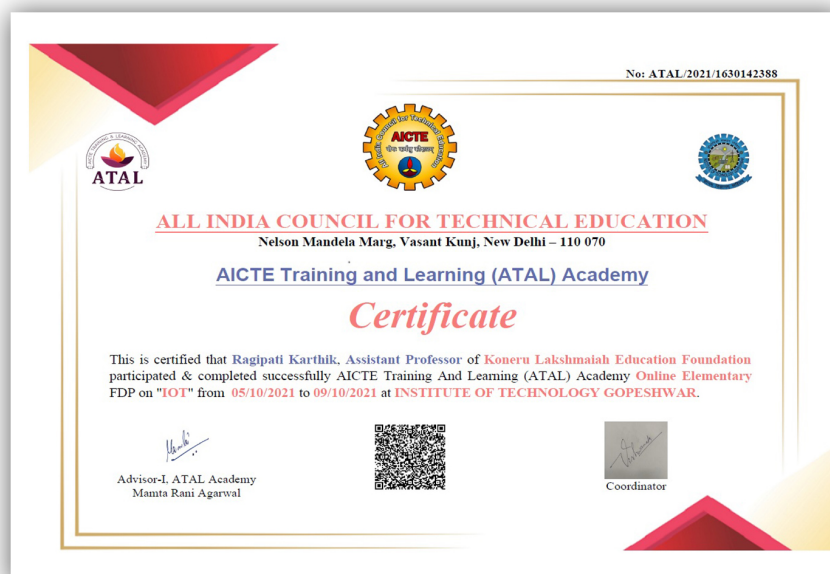
FACULTY ACHIEVEMENTS



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ENTREPRENUERSHIP PROGRAM



VIRTUAL INDUSTRIAL TOUR



“Space is for everybody. It’s not just for a few people in science or math, or for a select group of astronauts. That’s our new frontier out there, and it’s everybody’s business to know about space.”

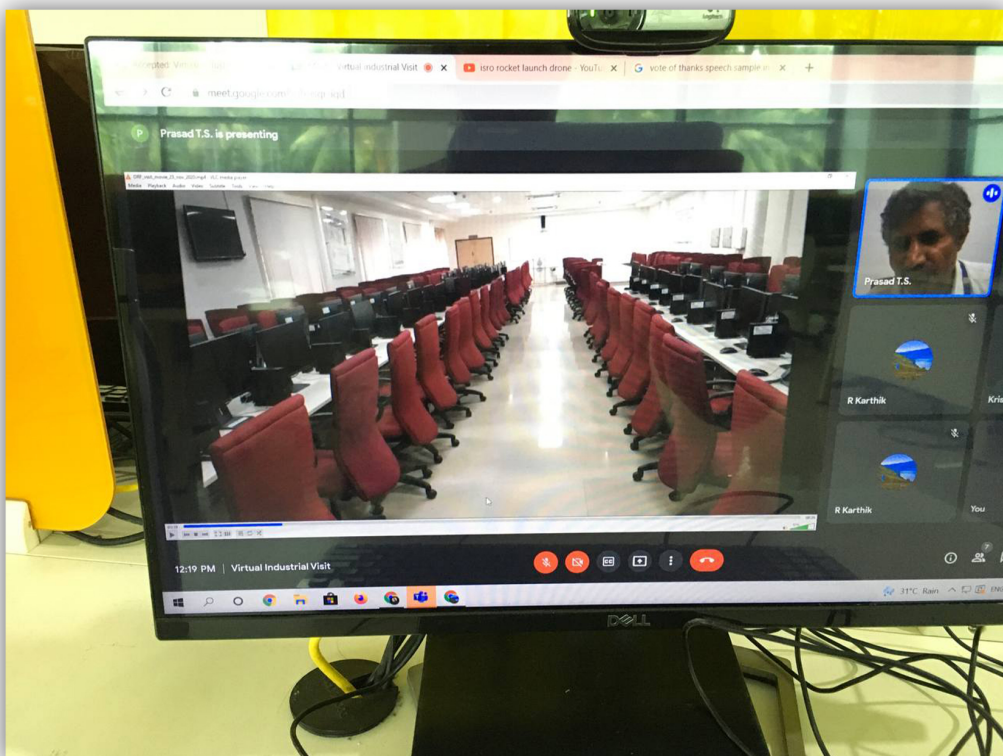
The Dept. of ECM is honoured to collaborate with NRSC (National Remote Sensing Centre) which is one of the primary centres of Indian Space Research Organisation (ISRO), Department of Space (DOS). NRSC has the mandate for establishment of ground stations for receiving satellite data, generation of data products, dissemination to the users, development of techniques for remote sensing applications including disaster management support, geospatial services for good governance and capacity building for professionals, faculty and students.

NRSC operates through multiple campuses to meet national and regional remote sensing data and applications needs of the country.

We are excited to join with such prestigious Organization in educating the young lads of our country on the eve of World Space Week about the visionary space research programs and Space education through this Virtual Industrial Tour.



VIRTUAL INDUSTRIAL TOUR



VIRTUAL INDUSTRIAL TOUR



STUDENT STARTUP



UPLINK-AUTOMATION PRIVATE LIMITED



At uplink automation private limited, we manufacture smart home switchboards which can replace existing switchboard installations within 5 mins and make every home a smart home

Why smart homes are the future:

Quality of life

Your smart home is made for your lifestyle and habits, it is to improve your quality of life and aid you with whatever you need, whenever you need

Security by monitoring

A smart home is aimed to take care of you when you know you need it to, and also when you don't know you need it to.

Efficiency

You may have a lot going on in your life, Why take the headache of managing your power or any other usage? Let your smart home take care of it for you. All you have to do is see your savings grow



STUDENT STARTUP



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STUDENTS ACTIVITIES



SNAPS OF NSS ACTIVITY ON GANDHI JAYANTHI



STUDENTS ACTIVITIES



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ESSENCE

Elegant Student Synergy
of
Electronics and Computer Engineers



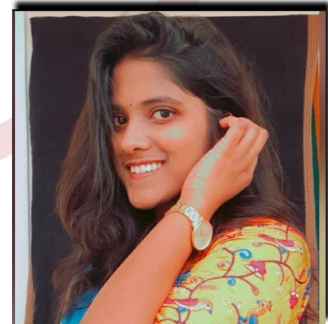
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KONERU LAKSHMAIAH EDUCATION FOUNDATION

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(NAAC Accredited "A" Grade University)

