

Vision

- To become a reputed learning centre producing competent professionals.

Mission

DM1: Provide Quality education through interactive teaching-learning practices.

DM2: Establish Technology-enabled environment for building core competencies including robotics.

DM3: Arrange Industry-Interaction to hone professional skills.

DM4: Organize activities to foster social skills and ethical values.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Apply Engineering concepts to solve Electronics and Communication Engineering problems of social relevance.

PEO2: Design and develop Electronic devices and Systems for Industry or pursue research.

PEO3: Demonstrate competencies through continuous learning and adapt to multi-disciplinary environment.

PEO4: Practice professional values and contribute to the societal needs.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Professional Skills: Apply principles of Analog and Digital Electronics, Communication Systems, Image processing, VLSI and Embedded Systems to solve diverse problems.

PSO2: Software Knowledge: Develop solutions for complex engineering problems of social relevance by employing Xilinx, CC Studio, Micro Wind, Keil, NG Spice, Scilab tools.

ABOUT THE DEPARTMENT

Department of Electronics and Communication Engineering (ECE) was established in the year 2008 and offers an under graduate program in ECE, with an initial intake of 60, and progressively increased to 180 by the year 2012. To accomplish the mission and vision of the Department, it has adequate infrastructural support with well equipped laboratories.

The Department aims at imparting the students with the latest technologies through NPTEL, Webinars, Spoken tutorials, Workshops and internships.

The Department also employs training programmes such as 'College to Corporate' (C2C), International Institute of Entrepreneurship (i2E). The Department of ECE has membership in professional societies like IEEE and IETE. Adequate encouragement and technical scaffolding are extended to the students to participate and excel in the national Level challenges.

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INSIDE ELECTRONICS

“Radiate Positivity”

Editorial Board:

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GEETHANJALI
INSTITUTE OF SCIENCE AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapur)

POEM

TITLE: अल्फाजदिलके.....

(1) दिलमेंहैंबातेंदफनकई

अपनेदिलकीकरूंगी

अपनेदिलकीबातोंकोचिल्लाकेबतलाऊंगी

आएगावोलम्हाभीकभी

(2) हैंहौसलेबुलन्द

तोडकेसारीजंजीरे

उडचलूहवासंग

छूलूआसमान कोएकदिन

Padam Rajput

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PENCIL ARTS



K.V.Radha Sarvani

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PENCIL ARTS



Punati.Mahitha
182U1A04C1

PAINTINGS




K.V.RadhaSarvani -172U1A0427



M.Devipriya-182U1A0486



Rising Heart



We'll shine like the Sun
We dream to touch the sky
to touch the sky
We'll gather drop by drop
and flow away with the sea
away with the sea
we're here right now
but we want to be beyond now
Don't think we Can't
were determined and obsessed too
Say it out loud
I've one life and a hundred desires
I will fulfil their one by one
Nothing can stop us now
"The right is amazing"
Happiness is miles away
My eyes looking for the light in the dark
Hope is what.... dwells in my heart
I'm not giving up- no matter what the World Says.

Punati Mahitha
182U1A04C1

NATION

The land founded with unquenchable hope.,
Do we really achieved it.??
No., people are still wool-gathering about it

Place which is renowned for its "Unity in diversity"..
At now its slowly evanescing....
It may flabbergasts us., its simple..,

When we have unscrupulous politicians., it Will be our fate..
The greatest nation which taught "Non violence"..
Has taken a U turn due to human Charlatans...

We have laws which can't protect its., Daughters from kanyakumari to
Kathua..

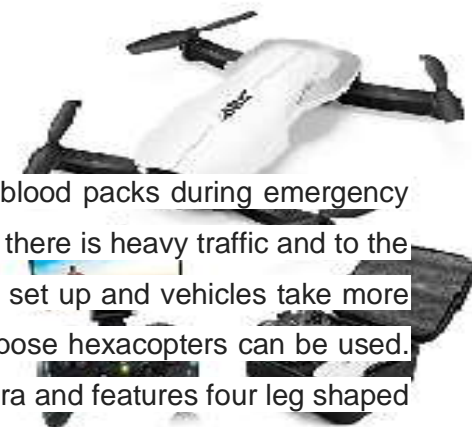
Do our farmers are into an opulent life style?
Nope...they are begging in streets for a better life..

Its the nation where currency notes could lose their value over night..
Don't we have good government here..??
Yeah., we have people's government functioning for corporate..
Is there any way to overcome this.?
Yes., when we develop patriotism..

Let's know our constitution and create miracles in the nation..!

Mr.M.Sivakrishna
Asst.professor

DRONES IN BLOOD DELIVERY



There is in need of a device which delivers blood packs during emergency situation at the times of flood, in areas where there is heavy traffic and to the tribal villages where medical camp has been set up and vehicles take more time in reaching the spot. Hence for this purpose hexacopters can be used. It is a six propeller device that carries a camera and features four leg shaped skis. These skis allow the device to be stable when it lands. It has more lifting power than quadcopters and reaches higher altitudes. The main advantage is that it keeps flying even if one propeller blade fails, by placing the propeller blades powering the motor 120 degrees apart. They can be controlled by the pilot by using the transmitter if any problem occurs and they can be operated in dual mode. The weight of the drone is 700 gram and the payload weight is 5600 grams and speed is 21m/s (approx.).It is more cost efficient than drones using wings.

By means of INAV and N8N flight controller GPS module is fixed which makes the copter to reach its destination and return back to the source automatically. Ultrasonic sensor is used for obstacle detection. Blood packets are safely placed in a box and they are scanned to find the blood groups of the packet delivered and scan code is provided by the pilot to check whether the blood packet has been taken by the person in need. Hence there is safe landing and delivery of other critical medicines on time. Altimeters, accelerometers, gyro meters are used to maintain the altitude and fly in the direction of the wind. The flight time is 15-30 min depending on the cargo and vertical takeoff and landing is used for safe delivery.

K.Harika
(162U1A0485)