



KARNATAKA REDDY JANA SANGHA

# VEMANA INSTITUTE OF TECHNOLOGY

(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO VTU, BELAGAVI,  
RECOGNIZED BY GOVT. OF KARNATAKA).

## DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



# Scientia hub

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An epitome of  
knowledge

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Editor:  
Mr. B V Vinay,  
Mr. Mohammed Ghouse

# MESSAGE FROM



VIJAYARAGHAVA REDDY  
CHAIRMAN, KRJS



DR. VIJAY SIMHA REDDY B G  
PRINCIPAL, VEMANA IT

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# EDITOR COLUMN

It gives us an immense pleasure to introduce this Newsletter of Information science Engineering Named “SCIENTIA” it is the Latin word for knowledge. By presenting this Newsletter we wish to provide you the same. The Department of Information Science & Engineering is composed of an Undergraduate program in Information Science & Engineering with an intake of 120. Our placement and result records are very impressive. The high quality research work being pursued by the faculty and students is very evident from the large number of research papers being published in referred journals. I thank all the students and faculties for their contribution.



RAJANNA M  
HOD OF ISE



# ABOUT THE DEPARTMENT

The Department of Information Science & Engineering (ISE) is a center of excellence providing in-depth technical knowledge and imparting grassroots thinking in the field of Information Technology. The department constantly thrives to nourish the true spirit & wisdom of Information Technology, into the young aspirants. The department with its cohesive team of faculty members, offers a sound program at the UG and aims to output engineers of innovative technology.

# GUEST LECTURERS

Mr. Raghuram and Mr. Naveen,  
from Free Software  
Movement, Karnataka  
(FSMK).

**Technical talk:  
Open Source Software  
27th August 2019**

Najeerahamed Sangamad,  
Co-Founder and  
Director, Innostem  
Edunce Edlabs Pvt Ltd  
**Machine Learning  
31st August 2019**

Mr. Mekhala V Reddy & Ms.  
Latha,

**Soft skills  
6th September 2019**

Mr. Yogesh Kumar (B.E.)  
& Mr. Vivek Srivastava  
(B.E.),  
**Technical Talk  
Angular 6  
7th September 2019**

Mr. Nikhil,  
**Workshop:  
MICROSOFT WORKSHOP  
ON CROSS PLATFORM  
APPLICATION SOFTWARE  
24th to 27th  
September 2019**

Mr. Vidyadhar Sharma,  
**Workshop:  
Working on  
Databases with  
Python  
25th, 30th October and  
6th November 2019**

# **FACULTY PUBLICATIONS**

**Gauri Sameer Rapate, Naveen N C,**

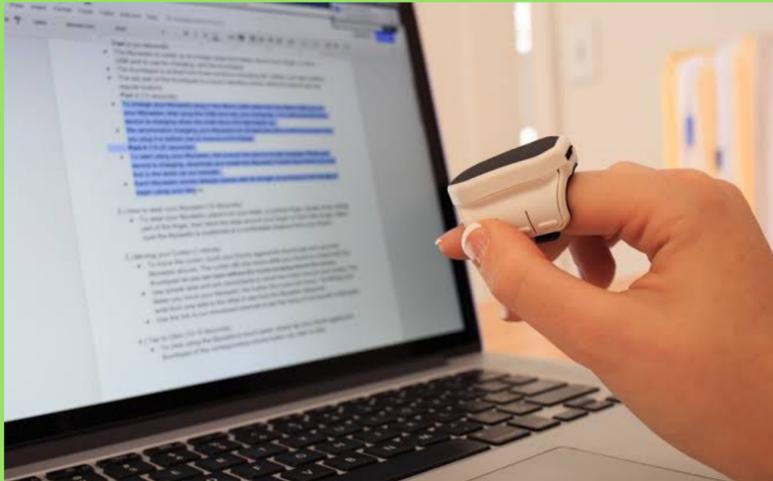
**“Energy Efficient QoS guaranteed Cross Layer Solution (EEQCL) for Mesh Backbone IoT Networks”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3S2, October 2019, Pg. No. 352-358.**

**Ms. Lakshmi Shree K, Dr. Ashok Kumar,**

**“Recommendation System based on Soci-Similarity using Social Media Data”, IJARCCCE Journal, 2019, Vol 9, Issue 8.**

# TECHNICAL ARTICLES

## Mycestro, the wearable finger mouse:



The device is a small, finger-mounted mouse that operates in 3D space. Equipped with motion tracking, Mycestro is activated by a small touch-sensitive panel. When you touch it with your thumb, Mycestro comes to life, allowing you to move your cursor around the screen. Lifting your thumb, then tapping left,

middle or right acts as a mouse "click". Until you touch the panel, the cursor is inactive — which means that you can type or gesture without your cursor swinging wildly around the screen.

## Quench - a unique voice for your plant:



caring for plants: forgetting to water and watering too often. Quench is able to detect exactly when your plant needs water and will notify you with a gentle tone. It's as easy as that. Different plants have different watering needs so Quench was designed to work with them all. By adjusting the depth of the probe, Quench can be used in water loving plants like

ferns to dry loving plants like succulents. Simply set the depth to suit your plant and let Quench tell you when it's time to water. At night, instead of making a sound, Quench lights up red so it will never disturb your sleep. Every Quench plays a unique tone so each of your plants has a unique voice

## **VISION OF THE INSTITUTE**

To become a leading institute for quality technical education and research with ethical values.

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## **MISSION OF THE INSTITUTE**

M1: To continually improve quality education system that produces thinking engineers having good technical capabilities with human values.

M2: To nurture a good eco-system that encourages faculty and students to engage in meaningful research and development.

M3: To strengthen industry institute interface for promoting teamwork, internship and entrepreneurship.

M4: To enhance educational opportunities to the rural and weaker sections of the society to equip with practical skills to face the challenges of life.

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## **VISION OF THE DEPARTMENT**

To produce graduates with strong fundamentals in information technology to face challenges of global IT needs with ethical values.

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## **MISSION OF THE DEPARTMENT**

M1: To impart theoretical foundation and programming skills for the design and development of software systems.

M2: To produce information technologists to excel in professional career, leadership, and entrepreneurship

M3: To inculcate multi-disciplinary research ambience among them to transform their knowledge useful to the society