



**J.J.COLLEGE OF ENGINEERING AND TECHNOLOGY**

Approved by AICTE | Affiliated to Anna University | ISO 9001 : 2008 Certified

**(Sowdambikaa Group of Institutions)**



VOLUME 1, ISSUE 4

MAY-2023



*Institution Making Students Ready for "Industry 4.0"*

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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# J.J.C.E.T NEWS



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

## INDEX

- ✚ Vision and Mission
- ✚ Faculty's Achievement
- ✚ Students' Achievement
- ✚ Our Recruiters
- ✚ Our Collaborators
- ✚ Acknowledgement
- ✚ Editorial Desk

»»» NEWSLETTER «««

# DEPARTMENT OF CSE



## VISION



To provide the quality education in Computer Science and Engineering and to mould the students into self-confident and professionally competent individuals.

To produce successful graduates enriched with professional and leadership capabilities. To impart the skills necessary to continue education and grow professionally To inculcate strong ethical and human values. To establish a research centre in Computer Science and Engineering. To contribute towards empowering the rural youth with computer education.



## MISSION

# FACULTY'S ACHIEVEMENT

## ➤➤➤ INTRODUCTION & IMPORTANCE OF AI

Artificial Intelligence has made an unprecedented impact in the medical industry and hence changed the face of the medical industry. Various machine learning algorithms and models have efficiently predicted various important use cases, such as determining whether a particular patient has malignant or benign cancer or tumor based on symptoms, health records, and history. It is also being used in future predictions where patients are well informed about their deteriorating health and what they should do to return to a normal and healthy life. Artificial intelligence has created a virtual care private assistant specifically built for people's needs. It is widely used to monitor, research different types of cases, and analyze past cases and their outcomes.

## #PEPTALK

Our Computer Science Department & Viswa Software College jointly organizes "ONLINE PEPTALK" on introduction & importance of Artificial Intelligence at 20.4.2023.



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**COMPUTER NEURONS ASSOCIATION & VISWA SOFTWARE COLLEGE**

Jointly organizes  
**ONLINE PEP TALK**  
ON  
*Introduction and Importance of Artificial Intelligence*

DATE : 20.04.2023  
TIME : 11:00 am -12:30 pm  
VENUE : Brainland Computer Centre

GOOGLE MEET LINK  
<https://meet.google.com/seoppyima>

**Resource Person**  
**Mr. P. KATHA PERUMAL**  
Software Consultant  
Viswa Software College

**V. PRAVEEN** III YEAR / CSE  
Student Coordinator

**Mrs. G. KEERTHANA**  
Event Coordinator

**Dr. M. P. REVATHI**  
HoD / CSE



# FACULTY'S ACHIEVEMENT

## DRONE TECHNOLOGY

Drones are used as the most efficient unmanned vehicle in the defence sector. The military can perform so many tasks by using this machine. Drones are of small sizes. That is why it can get into places that are highly congested to watch out for bombs. This is the main reason why drone cameras are one of the most important elements for the bomb squad right now. These aerial machines are also capable of spreading information regarding live bombs. The most common usage of drone cameras in the military sector is surveillance. Drone cameras are made in such a way that they can keep flying for a long time and give the exact view of the whole area to the control room. But it should always be used within ethics.



### # LAB VISIT

Our Department III year Students visited the Drone lab on 24.04.2023 & explanation about Drone technology and uses of Drone was given by Dr.Sasikumar.



# FACULTY'S ACHIEVEMENT

## ROBOTICS LAB



## ROBOTICS TECHNOLOGY

Most of us are familiar with the concept of robots but may struggle to actually define them as a separate entity from other types of machines.

As we explore in our open step on the nature of robots, robots are different from other machines because of how they interact with the world. They can make changes to their surroundings based on their actions and respond to the world around them. Robotics is the discipline of creating robots. It's a multidisciplinary field where computer science, engineering, and technology all meet. Those working in robotics focus on the design, construction, operation, and use of robots in a host of different settings.

Traditionally, the field of robotics centres on creating robots to perform simple or repetitive tasks at scale or to function in hazardous conditions where humans would otherwise be unable to work. However, recent developments in machine learning and artificial intelligence means that we may see an increase in human-to-robot interactions in the future. They can offer increased productivity, efficiency, quality and consistency in certain settings. Unlike humans, robots don't get bored. Until they wear out, they can repeat the same process continuously.

## # LAB VISIT

**Our Department III year Students visited the Robotics lab on 23.04.2023 and also our Faculty Mr.S.Narayanasamy explained about Robotics technology and advantages, disadvantages of Robots .**

# STUDENT'S ACHIEVEMENT

## >>> ROBOTIC PROCESS AUTOMATION (RPA)

software technology that's easy for anyone to use to automate digital tasks. With RPA, software users create software robots, or "bots", that can learn, mimic, and then execute rules-based business processes.

## # GOT DIPLOMA CERTIFICATE IN UI PATH

The technology combines emulating how humans read computer screens (AI computer vision), together with APIs, and gives users access to pre-built automation components that can be combined to automate routine processes.

## >>> PARTICIPANTS

Our III year Students have successfully completed a Diploma Course "STEP into RPA 4.0" on 11th April, 2023.



# STUDENTS' ACHIEVEMENT

## ➤➤➤ E-PRESCRIPTION IN CLOUD DATA

There are lots of options for how to store and access your data. There's the hard drive on your laptop, the external hard drive you use for backing up and transferring data, network file shares, USB drives and more. With so many storage options available, makes cloud storage unique. Well, the main reason why cloud storage is appealing is that files can be accessed and edited with ease. All you need is an internet connection and you can access your files from any device, anywhere. There are several types of cloud storage available including block, file and object storage. These each fit different use cases from shared filesystems to block-based volumes and backup and archiving systems.

## # CONFERENCE

Our Department Students  
**Ms.S. Shwetha, Mr.V. Praveen,**  
**Mr.K.Selvam, Mr.S.Kamesh**  
participated in the Paper  
Presentation held in the  
"International Conference"  
conducted by the Department  
of Mechanical Engineering on  
18.4.2023 .





# STUDENT'S ACHIEVEMENT

## SECURITY FOR HOUSE - USING AI

The safeness is more important thing to keep our information private. Considering today's livelihood, people have developed more technology, also their safety measures to protect them from an external factors also improved. To increase the priority of safeness from the external factors, we have come with a voice recognition projects, in which, it recognizes that only the pre-installed voice and it performs the operation for the particular person. It recognizes the particular person's voice and does it what they want to do. In Phone and Laptops it helps to keep our personal things as safe and controlled by ourself. It also makes our work easy by voice recognition. This paper proposed a home security with voice recognition using the AI and Machine learning for control our home like Electrical and Electronics appliances by voice recognition by anywhere with security.



## # CONFERENCE

Our Department III & II YEAR Students

Mr. V. Praveen

Mr. P. Madhavan

Mr. S. Kamesh

attended the  
'INTERNATIONAL CONFERENCE' on  
28.04.2023 held by the Civil  
Department .



## ACKNOWLEDGEMENT



Excellence through  
**ENGINEERING**



## OUR RECRUITERS

 TATA CONSULTANCY SERVICES	 Capgemini		 EMERSON
 MITSUBA Sical India Private Limited	 Infosys <sup>®</sup> Navigate your next		
	 cognizant <sup>®</sup>		
		 Evonice DESIGN YOUR FUTURE	 AVASOFT SHAPING NEXT GEN
 JBM Group Our milestones are touchstones	 UCAL FUEL SYSTEMS UCAL FUEL SYSTEMS LIMITED		
 ATHENA TECHNOLOGY SOLUTIONS		 Conserve INSPIRE   INNOVATE   INTEGRATE	 Anand Engg

You're not just Recruiting Employees but are  
Sowing the Seeds of your Reputation

## OUR COLLABORATORS



Collaboration divides the task & multiplies the Success

# EDITORIAL DESK



**DR.M.P.REVATHI**  
**PROFESSOR & HEAD / CSE**



**Mrs.J.S. JASLIN**  
**AP / CSE**



**Mr.V. PRAVEEN**  
**III YEAR / CSE**



**Mr.M. THULASIRAJ**  
**III YEAR / CSE**



**Mr.R.KAVIN KUMAR**  
**II YEAR / CSE**



**Mr.V.HARI PRASANTH**  
**II YEAR / CSE**