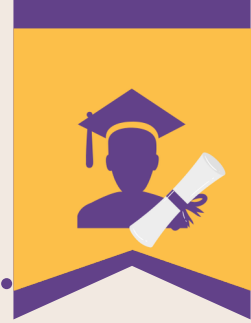




# Yashoda Shikshan Prasarak Mandal's Yashoda Technical Campus, Satara.



**CISCO-TALK MAGAZINE**

**July - Dec 2023**



## **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

### **Vision of Department:-**

To lead in technical, quality education, innovation, research for development of sustainable & inclusive technology for the society.

### **Mission of Department:-**

- **M1** : To create ambience of academic excellence through state of art infrastructure
- **M2** : To create student-centric pedagogy that will lead to employability.
- **M3** : To create a software engineering professional with knowledge of multidisciplinary fields, can provide innovative products & service to society.
- **M4** : To train and motivate the students for lifelong learning, employability, and entrepreneurship

### **Program Educational Objectives (PEOs)**

**PEO1:** Equipped to analyze and solve industry problems using a strong foundation in engineering sciences and computer science and engineering.

**PEO2:** Skilled in solving real-world problems in a multidisciplinary environment using modern tools and techniques.

**PEO3:** Developed into an ethical IT professional who contributes to societal and environmental progress.

### **Program Specific Outcomes (PSO's)**

**PSO1** : To be able to give solution in networking, OOP, web development, cloud, IOT on real life application using open source software.

**PSO2** : To be able to acquaint with modern trends in industry/research giving novel solution to existing social problems.

# Research

Sr. No.	Title	Inventor's Name	Patent Number
1	Centralized Enterprise Resource Planning Device	Dr. S.V. Balshetwar	149410
2	Design And Progress Of Reversible Data Hiding for Improved security in Data Transmission	Dr.Suraj R.Nalawade	202321055625 A
3	IOT Based Smart Classroom Attendance System in E-learning Application	Dr.Suraj R.Nalawade	202321072118 A

## Congratulations!

Sr. No	Students Name	Title of Activity	Prize
1	Karina Vithal Rathod	Institute Level-AVISHKAR 2024	Second Rank-Institute Level Avishkar 2024
2	Ganesh Sudhir Rane	Yashotsav	Runner up Table Tennis
3	Aniket Kiran Shirke	Yashotsav	Runner up Table Tennis
4	Aditya Pradip Yadav	Yashotsav	Winner Kho-Kho Interzonal

## Wireless Digital Notice Board



These days, take-out notice boards are crucial in institutions, organizations, and public spaces like train stations, bus stops, and clinics. But to utilize the paper takes note stacked on a take note board could be a time taking and costly handle and there's wastage parcel of time, paper and work. The receiver uses an inexpensive Arduino Uno microcontroller that has been designed to receive and show messages on an LCD display. Rather than writing notices by hand on a notice board, the authorized user can talk, and their voice message is transmitted. Bluetooth device and shown on the LCD panel. In this project, we are utilizing the most adaptable and effective speech recognition method available: the Hidden Markov Model (HMM). After the speech is recognized, it is sampled and processed to identify it as verbalized text. The project consists of a 32-bit ARM based microcontroller LPC2148, GSM SIM900 module, an LCD, a motor and an android application for user interface with the hardware for In order to facilitate Bluetooth and Wi-Fi connection between Android-based PDAs and remote wireless display boards, Android-based application are utilized. -**Rutuja Pise (BTech), Sakshi Devkule (BTech), Mansi Yadav (BTech), Aniket Shirke (BTech).**

## Enhanced Women Security System



This project proposes an IoT-based women's security system that combines voice activation, camera surveillance, heart rate monitoring, and a panic button to assure total safety. The system's core hub coordinates the smooth operation of its components, allowing for hands-free contact via voice commands to initiate alarms and orders. Real-time camera surveillance provides remote monitoring by capturing suspicious activity, while a heart rate sensor identifies physiological irregularities that indicate distress. A panic button initiates an urgent emergency reaction by initiating predetermined protocols that notify authorized contacts or authorities of the user's location and live audio-video feed. The IoT design enables remote access and management using mobile apps or web interfaces, allowing users to modify security settings and receive quick notifications from anywhere. By combining these innovative technologies, the system intends to provide women with a proactive and efficient method of improving their safety and peace of mind in a variety of settings.-**Ankita Phalke (BTech),Sanjana Jagdale (BTech),Divya Chikodi (BTech)**

## **Women's Safety System and Defence Mechanism**



The right to be free from abuse, harassment, and discrimination applies to women. Women may achieve their full potential as individuals and contributors to the workforce, communities, and economies by removing the barriers created by unsafe environments. However, according to the World Health Organization, one in three (35%) women worldwide have encountered non-partner sexual assault or intimate relationship abuse in their lives. This study defines a device for women's safety purposes by GSM to safeguard women on their own. This device suggests a quick response mechanism that supports women in inconvenient situations. She only needs to click the button to warn a few specified numbers and sound the alarm when someone is harassing her. Additionally, there is an emergency switch that, when pressed, activates a shock generator to launch a defense. This device aims to make women feel secure-**Archana Ghadge (BTech) ,Sakshi Chavan (BTech), Sakshi Rajput (BTech) ,Aishwarya Katkar (BTech)**

# Activities

Sr. No.	Title / Event Name	Resource person with designation	Name of the Industry/ Organization/ Institute	Period/ Date dec-july 23
1	Avishkar 24	Prof. Sangita Metkar, HOD Petrochemical Engg.	Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad	26/11/2023
2	Guest lecture on Future of Artificial Intelligence	Mr. Chetan Mane, Project Team Leader	one.com	16/07/2023
3	Guest lecture on Relevance of AI-ML in today's life	Mr. Mandar Kale, Director	Philomath training and consultancy	27/07/2023
4	Farewell Program of Final Year Students	Dr. Badadapure P.R., Principal	Yashoda Technical Campus	28/07/2023
5	Three Days student Development Program on Python Programming with Hands on Session	Mrs. Vaishanvi Malusare, Certified Trainer	IT Perfect Solutions	17/08/2023 to 19/08/2023
6	Guest Lecture on Importance of Human Values	Dr. Uday Lokhande, Assistant Professor	Arts and Commerce college	05/09/2023

# Activities

7	Poster Presentation	Mr. Vishal Gaikwad, CEO	Webotix Technology	15/09/2023
8	Engineer's Day	Mr. Vishal Gaikwad, CEO	Webotix Technology	15/09/2023
9	Guest lecture on Business Communication	Mr. Popat Patil, Assistant Professor	MBA, YTC	22/09/2023
10	Webinar on Applications of design thinking	1) Dr. Monika Singh, Director, Assistant Professor 2) Dr. Rajesh Dey, Assistant Professor, Start-up Mentor	Narayan World School, Gopal Narayan Singh University, Uttar Pradesh	06/10/2023
11	Guest lecture on Cloud Computing	Mr. Ashutosh Perdesi, Trainer	citi Bank	02/11/2023 03/11/2023
12	Interactive session and hands on training program on Power of Data and cloud infrastructure	Mr. Amol Barsagade, Founder and Director	UNIMORPH Consulting.	01/12/2023
13	Guest lecture on seminar and its importance	1) Dr. Dilip Aldar Assistant Professor, E &TC Dept. 2) Dr. Smita Patil, MCA, HOD	1) KBP 2) YTC	01/12/2023

# Activities



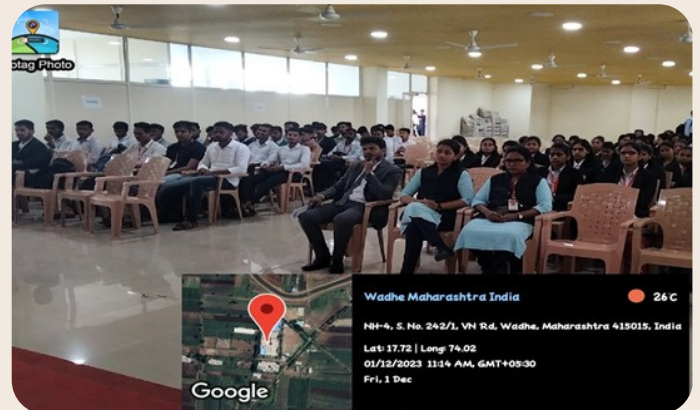
**Engineers Day-ICT classroom and ML lab inauguration (15/09/2023)**



**Webinar on “Applications of design thinking” (06/10/2023)**



**Parents Meet in CSE Dept (28/10/2023)**



**Interactive session and hands on training program on “Power of Data and cloud infrastructure” (01/12/2023)**



**Dandiya Celebration (25/10/2023)**



# Facilities



**Computer Lab**



**Library**



**Digital Classroom**



**Hostel**



**Transportation**



**Wi-Fi Campus**

## **Editor Team**

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- **Prof. K P Jagtap**