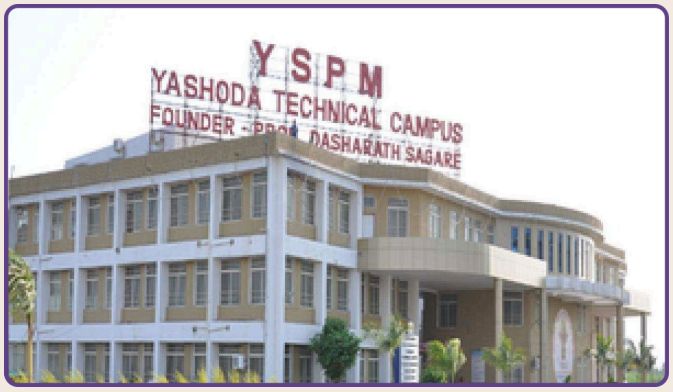
Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus, Satara.

CISCO-TALK MAGAZINE

July -Dec 2022



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.

Achievements

Congratulations!

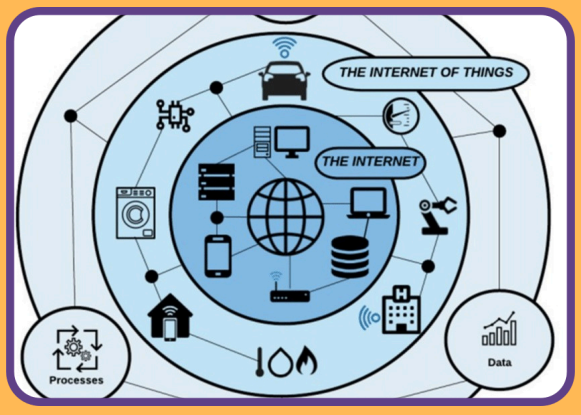
Sr. No	Students Name	Title of Activity	Prize
1	Kshitij Bhoite	National level technical Event- DEXTERITY 2K22-23 (Marathwada Mitra Mandal's College of Engineering, Pune)	Won 3rd position in UX factor event
2	Ayush Soni	National level technical Event- DEXTERITY 2K22-23 (Marathwada Mitra Mandal's College of Engineering, Pune)	Won 3rd position in Code Marshal event

Technical Articles

Edge Computing and 5G Integration

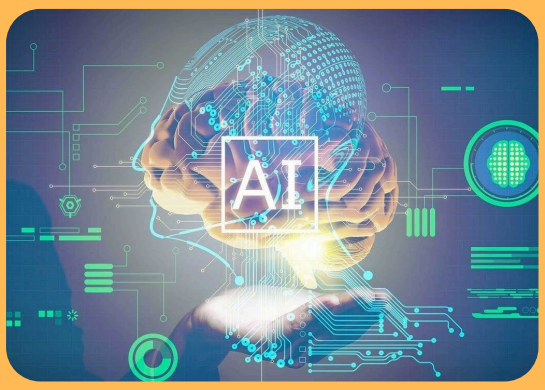
Edge computing, combined with 5G connectivity, brings data processing closer to the source, enabling real-time, low-latency applications. This infrastructure allows for instant responses in applications such as autonomous vehicles, industrial robotics, and smart city frameworks. 5G and edge computing also enhance remote surgery, virtual and augmented reality experiences, and efficient power management in smart grids. As devices no longer need to rely on centralized cloud data centers, industries experience faster data flow, reduced operational costs, and increased productivity, transforming IoT applications in fields from agriculture to healthcare.-**Shinde Aishwarya Anil (BTech),Mane Rutuja Arjun(TY)**

Internet of Things (IoT) and Smart Devices



The IoT ecosystem continues to expand, connecting everything from home appliances to industrial machines. Smart homes integrate IoT devices for energy management, security, and convenience, while smart cities leverage IoT for monitoring traffic, waste management, and air quality. Industrial IoT (IIoT) transforms manufacturing with real-time data monitoring, predictive maintenance, and automation, contributing to Industry 4.0. As more devices connect to the network, edge computing and 5G have become essential for handling the massive amounts of data IoT generates, ensuring faster response times and better reliability.-**Aditi Santosh Loni (BTech),Yadav Swapnil (SY)**

Sustainable and Green Technology in Computing



With rising awareness of environmental impacts, tech companies are shifting toward green computing. Innovations include energy-efficient data centers, recyclable hardware, and eco-friendly cloud services. The shift to renewable energy sources and carbon-neutral goals is being prioritized by major tech firms. Research in sustainable AI focuses on reducing the energy consumption of training large models. Techniques like liquid cooling and AI-driven power management are helping data centers cut down on energy use, aiming to minimize the tech industry's carbon footprint and promote environmental responsibility.-**Pawar Shubham Chandrakant (BTech),Shinde Raj Rahul(TY)**

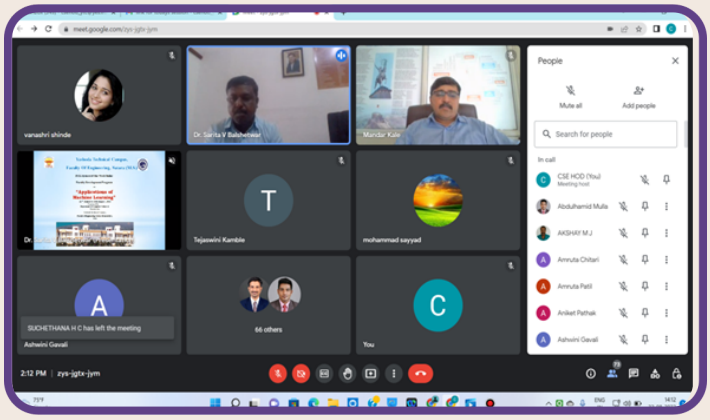
Activities

Sr. No.	Title / Event Name	Resource person with designation	Name of the Industry/ Organization/ Institute	Period/ Date Jan–jun 24
1	Online FDP program on Topic Applications of Machine Learning	1) Mr. Mandar Kale, Director 2)Dr. G. G. Chiddarwar, Assistant Professor 3) Mrs. Hema Karande, Assistant Professor 4) Mrs. Ashwini Patil, Assistant Professor 5) Mr. Tushar Kute, Director 6) Prof. Radhika Indolikar, Assistant Professor	1) Philomath Pvt. Ltd. 2) MMCOE 3) MMCOE 4) RIT 5) Skillogies Pvt. Ltd 6) PICT	22/08/2022 to 26/08/2022
2	Workshop on Practical session on C language	Mrs.Vaishanvi Malusare, Certified Trainer	GTT (Global Talent Track)	02/09/2022
3	Teacher's Day Celebration	Prof. Ajinkya Sagare,Vice-President	Yashoda Technical Campus, Satara	05/09/2022
4	SDP on Programming with C++	Mrs. Vaishanvi Malusare, Certified Trainer	IT Perfect Solutions	05/09/2022 to 08/09/2022 & 12/09/2022
5	Engineer's Day Celebration	Mr. Vishal Gaikwad, CEO	WeboTix Technology	15/09/2022
6	Guest lecture on Full Stack Development	Mr. Sanket Gharge and Mr. Shubham Mane, Full Stack Developer	Tech Mahindra	19/09/2022
7	Guest lecture on Business Communication	Prof. Popat D. Patil Assistant Professor	MBA, YTC	22/09/2022

Activities

Sr. No.	Title / Event Name	Resource person with designation	Name of the Industry/ Organization/ Institute	Period/ Date Jan–jun 24
8	Alumni Meet	Mr. Rajesh Sable, Software engineer	Facebook (Global) at USA	15/10/2022
9	Project Domain Selection	Mr. Ravindra Patane, Founder and Owner	Creative engineer's forum	14/10/2022
10	SDP on Core python	Mr. N P Jadhav, Coordinator	USAS solution, Satara	12/11/2022
11	Guest Lecture on Mobile HCI	Mr. Vishal Gaikwad, CEO	WeboTix Technology,	26/11/2022
12	Industrial Visit	Mr. Mayuresh Kulkarni, Manager	COEP's BHAU Institute	06/12/2022
13	Industrial Visit	Mr. Shashikant Raut, Manager	ACME Infovision Systems Pvt. Ltd.	08/12/2022
14	SDP on Android App Development	Mr. R. S. Temburkar, Founder & Software Engineer	RTsoft Solutions Pvt. Ltd.	15/12/2022

Activities



One-Week Online FDP on “Applications of Machine Learning” (22/08/2022 to 26/08/2022)

SDP on “Programming with C++” (05/09/22 to 08/09/22 and 12/09/2022)

Teacher’s Day Celebration (05/09/2022)

Guest lecture on “Project Domain Selection”(17/10/2022)

Guest lecture on “Business Communication” (22/09/2022)

Guest Lecture on “Full Stack Development” on 19/09/2022

Facilities

Computer Lab

Library

Digital Classroom

Hostel

Transportation

Wi-Fi Campus

Editor Team

- **Mr.Amardeep Pawar- BTech,CISCO**
- **Mr.Abhishek Korde- BTech,CISCO**
- **Mr.Kshitij Bhoite- BTech,CISCO**
- **Mr.Kajal Katker- BTech,CISCO**
- **Prof. K P Jagtap**