

COMEP

अतुल्य

E-News Letter – Department of Computer Engineering

Term 2023-24 VOL-4 Issue-2



Department of Computer Engineering

Editor in Chief - Dr R.S. Narkhede (Principal)

Editors –

1. Mr. S. P. Kholambe(HOD)
2. Mrs. S. D. Jadhav
3. Mr. S. R. Gaikwad
4. Mr. R. B. Padhar

Sub Editors-

1. Manoj Gajare (TYCO)
2. Diksha Jadhav (TYCO)
3. Vinay Bhadane (SYCO)
4. Gauri Khairnar (SYCO)

Vision

To develop competent computer engineers to accept challenges based on technical skills, professional ethics and social responsibility.

Mission

M1. To provide learning environment from fundamental to emerging trends in computer engineering.

M2. To impart technical education to meet the requirements of the IT industry and society.

M3. To develop in students a sense of professional ethics and social responsibility.

“Focus on education is a big strength. I want to see young people focus on creativity and take more risks.”

Sundar Pichai

Programme Educational Outcomes (PEOs) given by MSBTE:

1. Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting professional ethics.
2. Adapt state-of-the-art Computer engineering broad-based technologies to work in multi-disciplinary work environments.
3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.

Programme Specific Outcomes (PSOs) given by MSBTE:

PSO1. Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO2. Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

Message from HOD



Mr. S.P. Kholambe

HOD

Welcome to Department of COMPUTER Engineering, Department of Engineering was established in 2006. The Department seeks to combine excellence in education with service to the industry. Our vision is to develop competent computer engineers to accept challenges based on technical skills, professional ethics and social responsibility. Our goal is to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. The department has a team of well qualified, experienced and motivated faculty members to prepare the young minds of our students for global competition.

The department regularly organizes various professional development activities and grooms its students with the communication classes and personality development program. Sports, co-curricular and extra-curricular activities takes place at institute level and students participate in various intra-colleges, inter-college, inter-university fests/competitions. Department constantly works for overall growth of students and inculcate the qualities/features that are required and acceptable by Society.

Through innovative teaching-learning process and leadership building experience at the Department, students gain vital communication and critical-thinking skills. The Department has always been providing a platform for the students to enhance their employability skills through Industry-Department Collaboration with MoUs. Turning a student in to a good and proficient citizen is the prime aim of the department.

We are confident that our students will emerge as assets not only to this institution but also to the entire society at large. All the Best.

INDUSTRIAL VISIT

Industrial Visit At BAAP Company 9th March 2024

The BAAP Company, based in Paregaon Khurd, Sangamner Tehsil, MH (422611), started as a software service provider for national and international clients. Facing a talent shortage due to rural brain drain, BAAP set up a training institute to educate local youth in software development



Career Fair Program For Third year diploma students

A career fair is an event that gives students and employers a chance to meet one another, establish professional relationships, and discuss potential job and/or internship opportunities. Many employers from a variety of industries attended the program.



STUDENTS ACHIEVEMENTS

Third Year and First Year student of Computer Engineering Paper Presentation held at MET BKC IOTP Nashik



Consolated Prize 1: Shinde Kshitij & Boraste Rucha



First Prize: Chavan Smiti & Ahire Janhavi

Third Year student of Computer Engineering, Jay Lawate & Swyam Gosavi, won Second place in the state-level paper presentation competition on 19/3/24 at Shree Mahaveer Polytechnic, Nashik.



Third Year student of Computer Engineering, won Runner-up in the state-level Project Competition on 19/3/24 at Rajashri Shahu Maharaj Polytechnic, Nashik.

Second Year student of Computer Engineering, Miss. Manjiri Gholap won first place in the state-level paper presentation competition on 16/3/24 at K. K. Wagh Polytechnic in Nashik.



Second Year student of Computer Engineering, Salunke Abhinandan Vijay and Bhatt Devansh Kunal, a, won Third place in the state-level paper presentation competition on March 16 at K. K. Wagh Polytechnic in Nashik.

Third Year and Second Year student of Computer Engineering winners in sports



GUEST LECTURE organised by Computer department on “Entrepreneurship Development with AI”



Glimpses of Emergency Disaster Response Training Workshop



FACULTY DEVELOPMENT PROGRAM

Faculty development programs prepare teachers with the latest teaching methods. They use technology to impart effective education. Students learn better and therefore perform better at exams.





FUN FAIR organised by computer engineering students under EDP cell

MET's INSTITUTE OF TECHNOLOGY POLYTECHNIC
DEPARTMENT OF COMPUTER ENGINEERING

Fun Fair

Interesting Activities:

- Poster Competition
- Sports
- BOB competitions
- Exhibition of plant out of class
- Media Staff
- VR Experience
- Food & Beverages stalls

Mrs. P. B. Khairnar
Coordinator

Mr. S. P. Kholambe
HOD

Dr. R. S. Narkhede
Principal

Date & Time : 15/3/2024, 12.00pm to 3.30 pm
Venue: First Floor, Computer Engineering Department
Met's Institute of Technology, Polytechnic.

MET Bhujbal Knowledge City
ADGAON, NASHIK - 422 003 GOVARDHAN, NASHIK - 422 222
+91 7264063555 / +91 8881100099 (0253) 2200360, 2200362 www.metbkc.edu.in

MET Bhujbal Knowledge City



POSTER COMPETITION



PLACEMENTS RECORD

MET
THE MET LEADER IN CHALLENGE
AS SHARP AS YOU CAN GET

Bhujbal Knowledge City
Training & Placement cell

congratulations

Neel Gujrathati
For being selected in
EAGLEBYTE
SOLUTIONS PVT. LTD.

Through Campus Placement
2023-24 Package 3.5

Anil Gosavi
(Training & Placement officer)

Dr Rajendra Narkhede
(Principal)

MET's Institute of Technology Polytechnic

MET
THE MET LEADER IN CHALLENGE
AS SHARP AS YOU CAN GET

Bhujbal Knowledge City
Training & Placement cell

Congratulations

Pranjali Bharat Nile
For being selected in
PS POPULAR
Switchgears Pvt. Ltd.
POWER TO SWITCH POWER TO LIGHT

Popular Switchgears Pvt Ltd
Through campus Placement 2023-24
as a Trainee Engineer

Anil Gosavi
Training & Placement officer

Dr Rajendra Narkhede
Principal

MET's Institute of Technology Polytechnic

MET
THE MET LEADER IN CHALLENGE
AS SHARP AS YOU CAN GET

Bhujbal Knowledge City
Training & Placement cell

Congratulations

Shruti Shivaji Shirsath
For being selected in
PS POPULAR
Switchgears Pvt. Ltd.
POWER TO SWITCH POWER TO LIGHT

Popular Switchgears Pvt Ltd
Through campus Placement 2023-24
as a Trainee Engineer

Anil Gosavi
Training & Placement officer

Dr Rajendra Narkhede
Principal

MET's Institute of Technology Polytechnic

MET
AS SMART AS YOU CAN GET

Bhujbal Knowledge City
Training & Placement cell

Congratulations

Janhvi Vijay Ahire
For being selected in

PS POPULAR
Switchgears Pvt. Ltd.
POWER TO SWITCH POWER TO LIGHT

Popular Switchgears Pvt Ltd
Through campus Placement 2023-24
as a Trainee Engineer

Anil Gosavi
Training & Placement officer

Dr Rajendra Narkhede
Principal

MET's Institute of Technology Polytechnic

MET
AS SMART AS YOU CAN GET

Bhujbal Knowledge City
Training & Placement cell

Congratulations

Sayali Dinkar Patil
For being selected in

PS POPULAR
Switchgears Pvt. Ltd.
POWER TO SWITCH POWER TO LIGHT

Popular Switchgears Pvt Ltd
Through campus Placement 2023-24
as a Trainee Engineer

Anil Gosavi
Training & Placement officer

Dr Rajendra Narkhede
Principal

MET's Institute of Technology Polytechnic

Farewell and Fresher's Party

Students of first year and second year computer engineering organized farewell for third year students as well as second year and third year students organized fresher's party for first year students.



Third-year student of Computer Engineering designed Online Quiz Competition for the School Student of Karmaveer Ganpat Dada More Janta Vidyalay, Pimpalgon Baswant, Niphad, Nashik.



MET RATNA 2023 (Award for Topper in Polytechnic)



School Connect Program

In order to increase student enrolments in higher education, universities in Maharashtra have been directed to implement 'School Connect' – a campaign aimed to provide information about the benefits of flexibilities offered in higher education systems through the National Education Policy (NEP) 2020.



SWAYAM NPTEL COURSES

List of Staff (Jan - Apr 24)

Sr. No.	Name of Staff	Name of NPTEL Course
1	Mr. Sandeep P. Kholambe	Programming in Java
2	Mrs. Priyanka B. Khairnar	The Joy of Computing using Python
3	Mrs. Jyoti B. Mhaske	The Joy of Computing using Python

List of Students (Jan - Apr 24)

Sr. No.	Name of Student	Name of NPTEL Course
1	VAISHNAVI SUNIL PAWAR	Data Base Management System
2	OM DIPAK GATKAL	Programming in Java
3	ABHINAV KANDEKAR	Introduction to Programming in C
4	PRADNYESH BALKRUSHNA KOTKAR	Programming in Java
5	ABHINANADAN VIJAY SALUNKE	Programming in Java
6	VINAY SUGANDH BHADANE	Programming in Java
7	SHUBHAM GANESH SONAWANE	Programming in Java

CO-CURRICULAR ACTIVITIES BY STUDENT



FACULTY SPEAK

What is Industry 4.0—the Industrial Internet of Things

The world of manufacturing is changing. To survive and thrive now, you have to be willing to invest in Industry 4.0.



Industry 4.0 refers to a new phase in the Industrial Revolution that focuses heavily on interconnectivity, automation, machine learning, and real-time data. Industry 4.0, which encompasses IIoT and smart manufacturing, marries physical production and operations with smart digital technology, machine learning, and big data to create a more holistic and better connected ecosystem for companies that focus on manufacturing and supply chain management. While every company and organization operating today is different, they all face a common challenge—the need for connectedness and access to real-time insights across processes, partners, products, and people.

Industry 4.0 isn't just about investing in new technology and tools to improve manufacturing efficiency—it's about revolutionizing the way your entire business operates and grows. This resource will provide you with an in-depth overview on the topic of Industry 4.0 and IIoT, including information on the following:

- The Evolution of Industry from 1.0 to 4.0
- Basic IIoT Concepts and Glossary of Terms
- Smart Manufacturing Use Cases
- Whom is Industry 4.0 for?
- Benefits of Adopting an Industry 4.0 Model
- Challenges to Consider and Overcome
- How Epicor Can Help Your Business

Evolution of Industry from 1.0 to 4.0

Before digging too much deeper into the what, why, and how of Industry 4.0, it's

beneficial to first understand how exactly manufacturing has evolved since the 1800s. There are four distinct industrial revolutions that the world either has experienced or continues to experience today.

The First Industrial Revolution

The first industrial revolution happened between the late 1700s and early 1800s. During this period of time, manufacturing evolved from focusing on manual labor performed by people and aided by work animals to a more optimized form of labor performed by people through the use of water and steam-powered engines and other types of machine tools.

The Second Industrial Revolution

In the early part of the 20th century, the world entered a second industrial revolution with the introduction of steel and use of electricity in factories. The introduction of electricity enabled manufacturers to increase efficiency and helped make factory machinery more mobile. It was during this phase that mass production concepts like the assembly line were introduced as a way to boost productivity.

The Third Industrial Revolution

Starting in the late 1950s, a third industrial revolution slowly began to emerge, as manufacturers began incorporating more electronic—and eventually computer—technology into their factories. During this period, manufacturers began experiencing a shift that put less emphasis on analog and mechanical technology and more on digital technology and automation software.

The Fourth Industrial Revolution, or Industry 4.0

In the past few decades, a fourth industrial revolution has emerged, known as Industry 4.0. Industry 4.0 takes the emphasis on digital technology from recent decades to a whole new level with the help of interconnectivity through the Internet of Things (IoT), access to real-time data, and the introduction of cyber-physical systems. Industry 4.0 offers a more comprehensive, interlinked, and holistic approach to manufacturing. It connects physical with digital, and allows for better collaboration and access across departments, partners, vendors, product, and people. Industry 4.0 empowers business owners to better control and understand every aspect of their operation, and allows them to leverage instant data to boost productivity, improve processes, and drive growth.

Mrs. Swati D. Jadhav

Lecturer- Computer Engineering Dept.

List of Toppers Academic Year 2023-24

MET's Institute of Technology Polytechnic
DEPARTMENT OF COMPUTER ENGINEERING

Heartiest Congratulations

• • **List of Toppers - MSBTE S-2024 Examination** • •

(Third Year Computer Engineering) - AY: 2023 - 24

 Rucha Boraste Rank 1 TYCO - 91.94%	 Neel Gujarathi Rank 2 TYCO - 90.23%	 Janhvi Ahire Rank 3 TYCO - 89.94%
--------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------

(Second Year Computer Engineering) - AY: 2023 - 24

 Vaishnavi Pawar Rank 1 SYCO - 90.53%	 Atharva Thakare Rank 2 SYCO - 87.73%	 Devansh Bhatt Rank 2 SYCO - 87.73%	 Abhinandan Salunke Rank 3 SYCO - 87.33%
----------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------

MET Bhujbal Knowledge City
ADGAON, NASHIK 422 003 | GOWARDHAN, NASHIK 422 222
(0253) 2303315, +91 9881 100099 | (0253) 2200300, 2200302
www.metbkc.edu.in

ISO 9001:2015 CERTIFIED

Women's Day Celebration



Department of Computer Engineering



DEPARTMENT OF COMPUTER ENGINEERING

E-Newsletter

[Email-metpolycomp@gmail.com](mailto:metpolycomp@gmail.com)