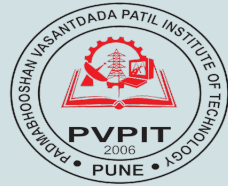




TSSM'S
Padmabhooshan Vasantdada Patil Institute of
Technology, Bavdhan,
Pune-21



विद्या ददाति विनयं, विनयाद् याति पात्रताम्।



Department of Computer
Engineering

Booklet A.Y 2023-24

OUR INSPIRATIONS



Hon. Dr. Prof. T.J. Sawant (Sir)
PRESIDENT OF SHETKARI SHIKSHAN
MANDAL



Hon. Giriraj T. Sawant
SECRETARY, TSSM GROUP OF INSTITUTES



Dr. V.A. Bugade
CAMPUS DIRECTOR, PVPIT BAVDHAN



Prof. Dr. R.S. Pawar
PRINCIPAL, PVPIT BAVDHAN



Prof. G.S. Wayal
HOD, Computer Engineering

VISION



To be a leading department developing competent human resource for benefit of society.

MISSION



- To nurture students by imparting quality education.
- To enhance potential of students to be competent professionals by providing conducive environment.
- To enable students for digital world by undertaking industrial and societal issues.

Program Educational Objectives (PEO)

- Have abilities for successful professional career.
- **Internet of Things:** Have an ability to address real life problem using modern tools and techniques.
- **Information security:** Have an ability to build enterprise for betterment of society ethically.

Program Specific Outcomes (PSO)

- **Computer/Operating System:** Understand the basic components of a computer, including CPU, memories, and input/output, design and their organization. Ability to understand the principles , administration and working of Operating systems
- **Networking:** Develop solutions for networking and security problems.
- **Software development:** Ability to understand the structure and development methodologies of software systems. Possess knowledge of software design process.
- **Database:** Provide and implement database solutions to an information technology problem.
- **Computing:** Ability to apply mathematical methodologies to solve computation task, model real world problem using appropriate data structure and suitable algorithm.

Program Outcomes (PO)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principle and commit professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply the set one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Lifelong learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

LABORATORIES

Object Oriented Programming & Computer Graphics Laboratory

This lab demonstrates familiarity with various concepts of OOPS. Demonstrate class object concepts by using C++ Abstract data types, object instantiation, inheritance, polymorphism, Object Oriented programming. Computer graphics deals with generating images and art with the aid of computers. Today, computer graphics is a core technology.



Computer Network Laboratory

Study of different types of Network cables and Practically implement the cross-wired cable and straight through cable using clamping tool. The lab offers an integrated educational process in the field of information and communication technologies emphasizing the issue of computer networks



LABORATORIES

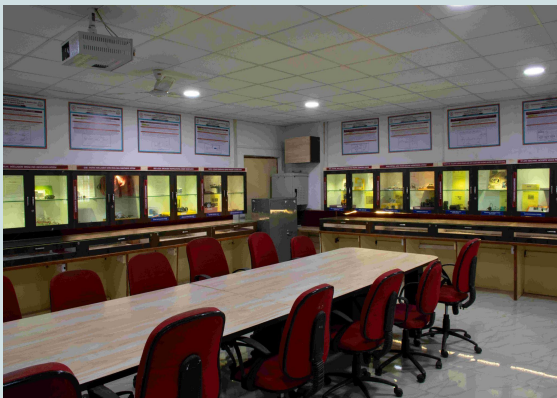
Language Laboratory

A language laboratory is specially designed to teach students different languages in an easy manner. Check out the key components of a language lab here. Python, Ruby, Java, .NET, C#, PHP, ASP.net, Javascript etc



Patent Programming Laboratory

Each year, students discover new inventions. An invention includes any novel, non-obvious, or useful process, machine, composition of matter, or improvement of any of those three categories. Once a researcher has disclosed their invention, they can then file for a patent, which is a major step in the overall process of federal technology.



Microprocessor & interface Programming Laboratory

This lab supports interfacing the microprocessor & micro controller with peripherals like LED displays, Keyboards, DAC/ADC, Stepper motors, other devices



ACTIVITIES



Smart India Hackathon 2023

TECHNOTHON



TECHRYTHM 2024 : CULTURAL NIGHT

TECHNOTHON



ALGORITHM ARENA

Algorithm Arena, a competitive coding competition, was organized as part of Technothon 2k24 at PVPIT. The event aimed to provide a platform for students to showcase their algorithmic problem-solving skills.

DEV DUET

DevDuet, a Web Development competition, was organized as part of Techno-thon 2k24 at PVPIT. The event aimed to provide a platform for students to showcase their creativity and development skills.



BGMI

it is a multiplayer competition, was organized as part of Technothon 2k24 at PVPIT. The event aimed to provide a platform for students to showcase their gaming skills. Type: First Person Shooter, Online Multiplayer

- a) 4 Player Squad
- b) All teams battle once for #1.
- c) The position and kill points are important to win the game.
- d) The game was played on 2 maps : Erangle and Miramar



TECHNOTHON



FIFA

FIFA, is a two-player game which was organized as part of Technothon 2k24 at PVPIT. The event aimed to provide a platform for students to showcase their gaming skills.

Type: FIFA is an Football game which can be played between 2 players to showcase their football skills.

- a) Single player.
- b) One vs One matches between two players.

Valorant,

It is a multiplayer competition, was organized as part of Technothon 2k24 at PVPIT. The event aimed to provide a platform for students to showcase their gaming skills. The Game consist of 13 points. Type: First Person Shooter, Online Multiplayer

- a) 5 Player Squad
- b) One vs One matches between two squads



BOX-CRICKET

Box Cricket is outdoor game which is decided to include in Technothon event to boost the energy level and increase concentration of our students as well as give the change to them from regular academic activities.



SPORTS ACTIVITIES



FootBall

Cricket



Chess

ACTIVITIES



TSSM'S PADMABHOOSHAN VASANTDADA PATIL INSTITUTE OF TECHNOLOGY (PVPIT, PUNE)

(Approved by AICTE, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University)



COMPUTER ENGINEERING DEPARTMENT

Departmental Activities



**Visit at Inter-University
Centre for Astronomy &
Astrophysics (IUCAA)**



**Seminar on Emerging
Trends in Information
Technology by
Mr. Shankar Wadne**



**Engineer's day
Celebration 2023**



**Hand's on training on
Python & ML by Mr. Yogesh
(CEO) Bharat Soft Solution**



SAP Training For BE



**Internal Hackthon
2023**



**Industrial visit
CDAC Pune**



**Core JAVA
Training for TE by FUEL**

—•With Best Compliments From•—

Management, Principal, HOD, Teaching & Non Teaching Staff



ACHIEVEMENTS



TSSM'S PADMABHOOSHAN VASANTDADA PATIL INSTITUTE OF TECHNOLOGY (PVPIT, PUNE)

(Approved by AICTE, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University)



COMPUTER ENGINEERING DEPARTMENT



Departmental Achievements



**Team Digital Diplomats
for Securing All India
Rank-2**



**Runner Up
IXPLODER Web design &
Development Organised
by IIT Patna**



**Selected For
IHFC Deep Tech
Immersion
Program at IIT DELHI**



**BITS Pilani Postman
API Hakathon 3.0
Runner-Up**



**(Gold Medal)
Body Builder
DSC At University level**



**Selected For
MEHAR BABA DRONE
competition**



**Winner of Intra college
competition organised
by 'Kimo
Generative AI tech**



**Selected For Masters
(Northern University
Seattle)**



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Management, Principal, HOD, Teaching & Non Teaching Staff



ACHIEVEMENTS

Patent

Sr.No	Patent Title	Name of Applicant	Publish Date	Application Number
1	Environmrntal Justice And The Disproportionate Impacts Of Pollution On Vulnerable Communities	Maitrayee Divekar	07/07/2023	202321037661
2	Internate Of Things(Iot) Ann Based Smart Meterological Conditions Monitoring And Prediction System	Maitrayee Divekar	12/5/2023	202321026933
3	Method For Scheduling Multi-Objective Task For Fog Computing	Prof.Prachi Thakar	15/9/2023	202321045431
4	Method For Enhancement Of Network Congestion Control Through Computational Intelligence Based Adaptive Mechanism	Prof.Prachi Thakar	22/9/2023	20231046522
5	Method And System For Optimized Control Of Data Collection Arc Faults Using Machine Intelligence Mechanism	Prof.Prachi Thakar	22/9/2023	202321046523
6	Method For Prediction Of Heart Disease Ussing A Machinelearning Model	Prof.Prachi Thakar	22/9/2023	202321046521

PLACEMENT

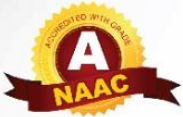


THE SHETKARI SHIKSHAN MANDAL'S
**PADMABHOOSHAN VASANTDADA PATIL
INSTITUTE OF TECHNOLOGY (PVPIT, PUNE)**
DTE CODE - EN 6122

Our Inspiration



Hon. Prof. Dr. T. J. Sawant
Cabinet Minister Public Health GOVT.
of Maharashtra, President TSSM Pune
Founder Secretary ISM Pune



TRAINING & PLACEMENT CELL



Heartiest
Congratulations
for getting placed in
Third Year Computer Engineering



Saloni Bankar



Achal Malviya

Highest Package In core
9 Lakhs



Sarvesh Shahane



Swaraj Pawar



Abhiram Suradkar

Congratulations to the 2025 batch students
It is a Remarkable Achievement For Placements

With Best Compliments From

Management, Principal, HOD, TPO & All Teaching and non- Teaching staff



PLACEMENT



THE SHETKARI SHIKSHAN MANDAL'S
**PADMABHOOSHAN VASANTDADA PATIL
INSTITUTE OF TECHNOLOGY (PVPIT, PUNE)**
DTE CODE - EN 6122



PVPIT TRAINING AND PLACEMENT CELL

*Heartiest
Congratulations*



To Final Year 2024 Batch Computer Engineering Students
For Getting Placed In Solprosystech



Pratik Shinde



Pankaj Pawar



Vrushali Mohite



Sanket Bhole



Nirmal Gharpure



Shivtej Bhor



Rhea Patanakar



Tejas Jagtap



Tanishq shinde



Aishwarya Chakrapani

— With Best Compliments From —

Management, Principal, HOD, TPO & All Teaching & non- Teaching staff

PLACEMENT



THE SHETKARI SHIKSHAN MANDAL'S
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DTE CODE - EN 6122

TRAINING & PLACEMENT CELL

**Heartiest
Congratulations**
To Final Year 2024 Batch
Computer Engineering Students For Getting Placed In

 **Numetry Technologies**

2 to 4 LPA Package



Aniket Phand Prathamesh Shinde Ankita Ashtekar

• With Best Compliments From •
Management, Principal, HOD, TPO & All Teaching and non- Teaching staff



THE SHETKARI SHIKSHAN MANDAL'S
**PADMABHOOSHAN VASANTDADA PATIL
INSTITUTE OF TECHNOLOGY (PVPIT, PUNE)**
DTE CODE - EN 6122

PVPIT TRAINING AND PLACEMENT CELL

**Heartiest
Congratulations**
to
Tanishq Shinde
Final year 2024 Batch
Computer Engineering Student
For Getting Placed In
EY- GLOBAL DELIVERY SERVICES



• With Best Compliments From •
Management, Principal, HOD, TPO & All Teaching and non- Teaching staff



**PADMABHOOSHAN VASANTDADA PATIL INSTITUTE
OF TECHNOLOGY (PVPIT, PUNE)**
PVPIT TRAINING AND PLACEMENT CELL

**Heartiest
Congratulations**
to
Rhea Patanakar
COMPUTER DEPARTMENT
(FINAL YEAR 2024 BATCH)

Selected in Associate Systems Engineer at
IBM IBM India

• With Best Compliments From •
Management, Principal, HOD, TPO & All Teaching and non- Teaching staff



INTAKE

Intake :60 Computer Engineering (2022-23)

Intake:180 Computer Engineering (2023-24)

Intake:60 Computer Science & Engg (Data Science)