



Department of Information Technology

NEWS LETTER

A Departmental Newsletter

Issue:- XI, Volume- XXII, 2024-25

Vision & Mission of the Institute

VISION

To become a **pace-setting centre of excellence** believing in three universal values namely **Synergy, Trust and Passion**, with **zeal to serve the Nation** in the global scenario

MISSION

M1. To achieve the highest standard technical education through state of the art pedagogy and enhanced industry institute linkages

M2. To inculcate the culture of research in core and emerging areas

M3. To strive for overall development of students so as to nurture ingenious technocrats as well as responsible citizens

Vision & Mission of the Department Information Technology

VISION

Attaining growing needs of industry and society through Information Technology with ethical values

MISSION

To become leading education center by inspiring the students to become competent IT Engineers

To make students more innovative and research oriented, to improve their ability to provide appropriate support for industry and society

To train students to adapt the life-long learning with ethical values

Message from the HOD's Desk:



Dear Readers,

It gives me great pleasure to present **Issue XI, Volume XXII (2024–25)** of our **Information Technology Departmental Newsletter**. This edition reflects the creativity, dedication, and achievements of our students and faculty, showcasing the dynamic spirit of our department.

As technology rapidly evolves, our department remains committed to fostering innovation, encouraging research, and nurturing technically skilled and ethically responsible professionals. I sincerely appreciate the efforts of our faculty, the enthusiasm of our students, and the support of our alumni and industry partners in driving our department forward.

I hope this edition inspires its readers, celebrates our shared achievements, and reaffirms our commitment to building a future-ready IT community.

Best wishes to all for a successful and fulfilling academic year ahead.

Prof.(Dr.) P.V. Ingole
Head of the Department
Department of Information Technology



Project Competition “Magic of Logic 2025”

On 7th April 2025, 12.00AM, the Competition was inaugurated by Prof.Dr. G R Bmnote, Principal, PRMIT&R, Badnera, in the presence of Dr. P V Ingole, HOD IT along with the faculties of IT Department and the students.

The Project Competition focused to provide the good opportunities to improve practical exposure of engineering students. This was an event where students showcased their innovative ideas in the form of projects under the guidance of experts.

During the project competition, the 30 groups of final year student participants demonstrated and presented their respective project to the team of judges. The judges have evaluated the projects on the basis of innovative idea of projects, presentation, understanding of software and knowledge. The students of second and third year visited the project competition.



Students demonstrating and presenting their posters

Competition was held on 7th April 2025

Codespark Coding Competition

The Department of Information Technology Engineering has conducted ‘CodeSpark’ coding competition on behalf of “IETE” students Forum ISF on 17.01.2025. This was a departmental competition and organized only for 2nd year students from IT department who came forward to participate in this event in many more numbers.

In this competitive world, all the companies are looking for graduates who have higher education and have additional skills. “IETE” ISF (Professional chapter) of PRMIT&R, Badnera is conducting this activity in the hopes of enhancing such skills necessary for the students. The Event was conducted combinedly at Programming Lab, Software Engineering Lab and Database Lab of IT Department.



Student Activity Participating in Competition

There were two rounds of 45 minutes in the competition. Both the rounds were the coding round where the participants can code in any programming language. There were 21 Duo teams and 8 Individual participants.

Totally there were 50 participants from 2nd of IT Department in the event. Out of 50 participants, 24 students were qualified for the second round in which 12 Duo teams were selected according to the leaderboard score. The Second round was trouble shooting round in which the selected students were asked to programmed high level programming question and top 3 scoring student teams were declared as winners of the competition. All the students actively participated in the coding competition and all the IETE student committee members were actively involved in organizing the event very efficiently. The students have effectively enhanced the relevant knowledge through the coding competition. After the completion of event, Dr. P. V. Ingole, HOD/IT appreciated and motivated the students for their active participation in the event. Mr. Om Kanthale (Co-Ordinator) delivered the Vote of Thanks. Dr. S. N. Sarda, Convener and Coordinator have made all the arrangements.

Quiz Competition 2K25

The Department of Information Technology Engineering has conducted Quiz competition on behalf of "IETE" students Forum ISF) on 17.01.2025. This was a departmental competition and organized only for 3rd year students from IT department who came forward to participate in this event in many more numbers

In this competitive world, all the companies are looking for graduates who have higher education and have additional skills. "IETE" ISF (Professional chapter) of PRMIT&R, Badnera is conducting this Activity in the hopes of enhancing such skills necessary for the students. The Event was conducted in ICR 4 of IT Department.

There were two rounds conducted in this Competition where the first round consist of 45 MCQ's questions in which 1 minute is given to solve a single question and From Round 1 Top 15 participant from the leaderboard are promoted into the Final i.e. Second Round of The Competition and In Final round, there were 30 question where 1 minute is given to solve a single questions and it was very trouble shooting round from which Top 3 participants on leaderboard is declared as winners of this quiz competition. All the students were actively participated in the Quiz competition and all the IETE student committee members were actively involved in organizing the event very efficiently.



The students have effectively enhanced the relevant knowledge through the this competition . After the completion of event, Dr.(Prof) P. V. Ingole (HOD/IT) appreciated the students for their active participation in the event, Dr. S. N. Sarda (Convener) and Coordinator have made all the arrangements.

Winners of the Competition:

1	Aryan Kalbande	3rd (IT)	1 st Rank
2	Aanya Badoniya	3rd (IT)	2 nd Rank
3	Trupti Bhuskute	3rd (IT)	3 rd Rank

Cyber Security Workshop

The Department of Information Technology Engineering has conducted "Cyber Security Workshop" on behalf of "IETE" Students Forum (ISF) on 16.01.2025. All students of Different departments came forward to participate in this Activity.

In this competitive world, all the companies are looking for graduates who have higher education and have additional skills. "IETE" ISF (Professional chapter) of PRMIT&R, Badnera is conducting this activity in the hopes of enhancing such skills necessary for the students. The Event was conducted combinedly at EXTC Seminar Hall of Electronics &Tele-Communication Department.

A cyber security workshop was conducted by Mr. Yash Chavan, (CEO of Byte Bloggerbase. Pvt.Ltd, Pune). The workshop aimed to provide participants with in-depth knowledge and practical experience in various aspects of cyber security. The Activity was conducted in presence of Dr. G. R. Bamnote (Principal, PRMITR) , Dr.(Prof) P. V. Ingole (HOD/IT), Prof. S.V.Dhopte, Prof. S.S.Kulkarni, Dr.(Prof) P.P.Deshmukh & other IT Department Teaching faculty. All the students actively participated in the activity and all the IETE student committee members were actively involved in organizing the Activity very efficiently. The students have effectively enhanced the relevant knowledge through the Activity.

. After the completion of Activity, **Mr. Yash Chavan** Organised the quizzes for the Attendees And the Winners of this Quiz Get chance of 3 months of internship at Byte Bloggerbase Company with 10K as the stipend with free courses of worth of 50000 rs and **Ms Avantika Rodge** from 3rd Year IIOT Department get this incredible opportunity by winning the Quizez. And the Speaker appreciated the students for their active participation in the Activity. Totally 180 students participated the Activity. **Ms. Shruti Deshpande & Ms. Radha Bhelkar** (Coordinator) delivered the Vote of Thanks. **Dr. S. N. Sarda** (Convener), and Coordinator have made all the arrangements.



Mr. Yash Chavan guiding the students

HICA Inauguration Ceremony

The HICA (Higher Institute Campus Ambassador) Inauguration Ceremony was held on 7th and 8th March 2025 at Prof. Ram Meghe Institute of Technology and Research, Badnera-Amravati. The event was organized under the guidance of Dr. G. R. Bamnote (Principal) and Dr. Prashant V. Ingole (Professor and Head, IT Department).

The event commenced with a warm welcome extended to all attendees. Ms. Renuka greeted the audience and emphasized the importance of the session in today's digital era. Following this, Ms. Rakshita invited the esteemed dignitaries to light the ceremonial lamp, symbolizing the beginning of an enlightening event. To honor the esteemed guests, a felicitation ceremony was held. • Distinguished guests were welcomed and presented with tokens of appreciation as a gesture of gratitude for their presence and contributions



We are excited to introduce our distinguished speakers for the Inaugural Ceremony:

Raman Mohurle – A recognized Bug Bounty expert, Raman specializes in identifying and resolving security vulnerabilities. His session will offer valuable insights into ethical hacking and cybersecurity best practices.

Harsh Navigale – An expert in AI & OSINT (Open Source Intelligence) within Cyber Security, Harsh will share his expertise on how artificial intelligence and open-source data are revolutionizing cybersecurity practices and enhancing threat detection.

Varad Mane – An expert in Real-World Cyber Crime Analysis & Reporting, Varad will bring his in-depth knowledge from SSPU University, Pune to provide practical insights into tackling cyber crimes, with a focus on investigative techniques and reporting.

These experts had conduct detailed sessions on 8th March 2025, offering valuable knowledge in their respective fields of cybersecurity.

The esteemed speakers had conducted detailed sessions on 8th March 2025, where:

Raman Mohurle, an expert in Bug Bounty, will share his in-depth knowledge of ethical hacking and vulnerability identification.

Harsh Navigale, an expert in AI & OSINT in Cyber Security, will discuss how artificial intelligence and open-source intelligence are shaping the future of cybersecurity.

Varad Mene, specializing in Real-World Cyber Crime Analysis & Reporting from SSPU University, Pune, will provide practical insights into cyber crime investigation and reporting techniques.

These sessions had offer invaluable expertise in the ever-evolving field of cyber security.

Field Visit Report

Date of Visit: 17th January 2025

Venue: Information Technology Department, [Name of Engineering Institute]

Participants: Class 10 students of Titans' Public School, Badnera-Amravati

Objective:

The visit aimed to provide students with hands-on exposure to networking technology and devices, fostering their understanding of modern IT infrastructure and its practical applications.

Highlights of the Visit:

Introduction

Session:

Students were welcomed by faculty members and given an overview of the IT department and its role in advancing technology.

Networking Demonstrations:

Network Devices: Students observed routers, switches, modems, and access points, with explanations on their functions and configurations.

Network Setup: A live demonstration showed how devices are interconnected to create a functional network.

Data Transmission: Faculty illustrated data packet flow and the role of protocols like TCP/IP in communication.

Practical Learning:

Students participated in a hands-on activity where they configured a simple local area network (LAN).

The basics of wireless networking and cybersecurity measures were discussed.

Q&A

Session:

Students interacted with faculty and engineering students, asking questions about IT careers, emerging technologies, and the role of networking in daily life.



Outcomes: The visit was highly informative and sparked interest among students about careers in IT and networking. It provided practical insights that complemented their classroom learning, enhancing their understanding of real-world technology applications.

NEP-2020 School Connect Program

Organizer: Prof. Ram Meghe Institute of Technology & Research, Badnera

Objective: National Education Policy-2020 awareness program for students (NEP-School Connect 2.0)

Visited College:

- 1) Smt. L. G. Bhele Junior College, Shirajgaon Kasba
- 2) Shri L. C. Kherde Junior College, Karajgaon

The NEP -2020 is going to be implemented across all non- Agriculture University affiliated colleges across the state of Maharashtra with effect from AY 2024-25. Being an autonomous Institute, PRMIT&R has already implemented the NEP-2020 from the Ay 2023-24 and hence understands numerous positive aspects of the same. In accordance with the directives of DTE and SGBA University, we are participating in school connect (NEP connect) program for awareness of the NEP-2020 among students and stakeholders of other institutes.

The one-day seminar on the National Education Policy (NEP) aimed to provide a comprehensive understanding of the key elements and implications of the recently introduced policy. The seminar brought together educators, policymakers, and stakeholders to deliberate on the transformative changes envisaged by the NEP and their impact on the educational landscape of the nation.

The NEP seminar conducted by : Prof. Avinash Mahalle, Dr. Himanshu Kale, highlighting the significance of the National Education Policy in shaping the future of education in the country. The seminar comprised multiple technical sessions, each focusing on different aspects of the National Education Policy. A detailed presentation on the foundational principles, objectives, and key structural changes outlined in the National Education Policy and extended to Curricular Reforms, Teacher Training and Professional Development, Technology Integration, Inclusive Education.

The seminar concluded with a summary of key takeaways and recommendations. It emphasized the need for collaborative efforts among various stakeholders to effectively implement the National Education Policy and achieve its goals. Participants left with a better understanding of the policy's implications and a sense of shared responsibility in shaping the future of education.



Campus Recruitment Training (CRT)

As part of the student development initiative aimed at enhancing employability skills, a structured CRT program was conducted for engineering students across the 3rd, 5th, and 7th semesters. These programs focused on basic aptitude, fast mathematics, soft skills, advanced aptitude, basic technical training, advanced technical training. CRT is conducted by Department of Training and Placement from 3rd semester to 7th semester.

Semester-wise Training Details

1.3rd Semester – Basic Aptitude and Fast Mathematics

Training Partner: Core Competitive Hub, Amravati

Objective:

To develop foundational skills in quantitative aptitude and logical reasoning.

To enhance speed and accuracy in solving mathematical problems.

Key Modules Covered:

Number Systems

Time & Work, Time & Distance

Percentages and Ratios

Data Interpretation

Vedic Mathematics and Shortcut Tricks

Outcome:

Students gained confidence in attempting aptitude sections of placement exams and competitive tests with improved problem-solving speed and accuracy.

2. 5th Semester – Advanced Aptitude Training

Training Period: [Insert Date/Month-Year]

Training Partner: Inkdustr EduTech

Objective:

To prepare students for high-level aptitude assessments conducted by companies.

Key Modules Covered:

Advanced Quantitative Techniques

Logical Reasoning & Puzzles

Verbal Ability and Grammar

Group Discussions and Interview Skills

Outcome:

The training helped students in clearing aptitude rounds of various placement drives. Many students demonstrated measurable improvement in mock test scores.

3. 7th Semester – Advanced Technical Training

Training Period: [Insert Date/Month-Year]

Training Partner: Profound Tech, Pune

Objective:

To bridge the gap between academic learning and industry requirements.

To equip students with hands-on knowledge in core technical areas.

Key Technologies/Modules Covered:

Data Structures and Algorithms

Object-Oriented Programming (OOP)

Database Management Systems (DBMS)

Web Technologies / Java / Python

Company-Specific Technical Interview Preparation

Outcome:

Students were better prepared for technical interviews and coding tests. A significant number showed improved performance in technical assessments.

Improvement in student readiness for placement drives.

Increased confidence in aptitude and technical interview rounds.

Positive feedback from students on training methodology and content delivery.

Strong collaboration with industry-aligned training partners.

Parents Meet 2024-25

The parent meet was organized by the Department of Information Technology, PRMIT&R, Badnera with the objective of discussing parents regarding their ward's performance and trying to settle their queries & inquiries. Parent of many students actively participated in the events with the positive approach & also offered some valuable suggestion with respect to operational issues. The motive behind the meet is to discuss all measures to be taken for the overall growth and development of the students so that they meet and cope up with the present-day challenges.



Felicitations of placed students by Head of the Department, Dr. P. V. Ingole

The meet began with a warm welcome of the parents. Student from third year, Ms. Riya Umekar hosted the Parents Meet of 2024-25 session.

Dr. P. V. Ingole (H.O.D.) gave the presentation which cover details regarding infrastructure, academics, placements, library facilities, results of students, intra and extracurricular activities organized within the department and training and placement activities. Sir further elaborated that every faculty is dedicated to strive for the overall personality development of student so as to nurture not only professionals but also responsible citizens.

The parents then had a protracted discussion with the class teachers and took academic details of their wards.

As Parents are curious about their ward's placement, Institute's Training and Placement Officer, Dr. Pranjali Deshmukh gave a presentation during Parents Meet. She provided an update on the latest training and placement opportunities for our students.

Coordinators of the parents meet Dr. (Prof.) Ms. M. S. Deshmukh along with class teachers and all faculty members in department had taken efforts for smooth conduction for an event.

Department Student Achievement

Riya Umekar ,Aniruddha Akhare, Ayush Waghade from 3rd year IT department and Saloni Nandurkar from 3rd year CSE Department got **FIRST RANK** with prize money of 10 thousand rupees in **INOVO HACKATHON** which was held at **SSGMC SHEGAON**. The duration of hackathon was 30 hours.

It gives me immense pleasure to share a remarkable milestone achieved by our department!

Editorial Board

As we approach the **Issue:- XI, Volume- XXII, 2024-25**, we are pleased to bring you the latest edition of our departmental newsletter. This issue highlights the remarkable work and achievements of our faculty, staff, and students over the past few months. From groundbreaking research to community outreach, our department continues to excel in all areas, reflecting the dedication and passion that define our collective efforts.

We encourage you to contribute to future editions by sharing your news, achievements, and insights. Your involvement is crucial in helping us create a newsletter that truly reflects the diverse and dynamic nature of our department.

Thank you for your continued support and engagement. We hope you find this edition both informative and inspiring.

Best regards,



Dr. Pranjali P. Deshmukh Dr. Himanhsu D. Kale