Mission & Vision statement 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

Mission & Vision statement of the Department of 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

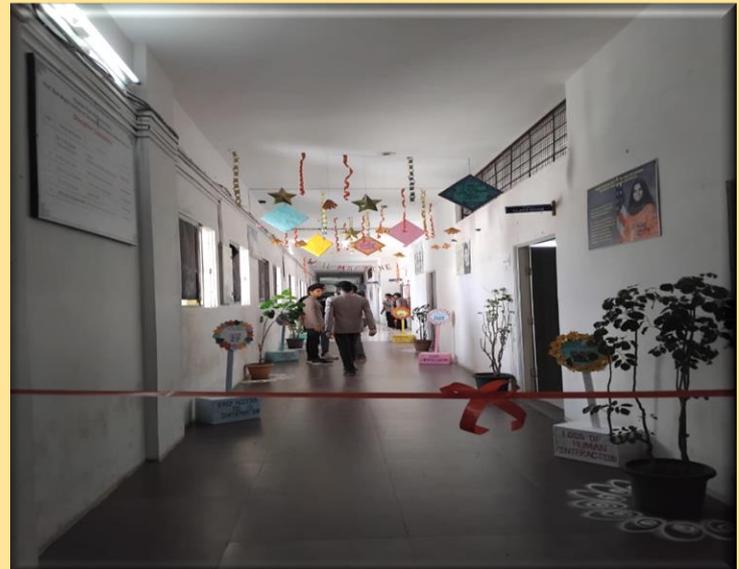## "Poster Making & Presentation Competition"

Competition was held on 6ᵗʰ Sept 2024

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*Department of Information Technology, IE(I) & IETE student chapter & of Prof. Ram Meghe Institute of Technology & Research Badnera had organized a **Poster Making & Presentation Competition** on the occasion of Ethical Week celebration. The participation of students was wholehearted. Students made a Posters related to the theme Risk and benefits of Technology and presented it in front of the judges and audience. Winners were selected on the parameters like, Confidence in presentation, creativity in the poster making, clarity in conveying message to the audience. The program was inaugurated at the hands of Prof. Dr. G R Bamnote, Principal, PRMIT&R, Badnera, Dr. V R Raut, Dr. P. V. Ingole, Head of Information Technology Department and senior professors Prof. S.V. Dhopte, Prof. S. S. Kulkarni, Dr. A. S. Alvi, Dr. P. P. Deshmukh, Prof. Ms. M. S. Deshmukh and all other faculty members were present for the event. Prof. Dr. P P Deshmukh, Prof. Dr. S D Thakur were invited as a judge of event. All staff members along with students of 2ⁿᵈ, 3ʳᵈ and final year IT students attended the event.*

As per the evaluation of judges students were declared as winner.

The students were guided to prepare a poster on given theme using e resources and their own ideas by the event coordinator Prof. N V Kadam and Student coordinators of the event actively contributed for the event.

"Movie Making & Presentation Competition "

Department of Information Technology, IE(I) & IETE student chapter & of Prof. Ram Meghe Institute of Technology & Research Badnera had organized a **Movie Making & Presentation Competition** on 6th September 2024, the occasion of Ethical Week celebration. The participation of students was wholehearted. Students made a movie clip related to the theme Risk and Benefits of Technology and presented it in front of the judges and audience. Winners were selected on the parameters like, Confidence in presentation, creativity in the movie clip, clarity in conveying message to the audience. Theme of the event was "Risk and Benefits of Technology" which talks This technology undoubtedly brings along many advantages, including greater efficiency, better communication methods and information exchange, health care advancement, and quality of life improvement, driving the economic growth and creating innovation as it keeps moving forward in changing industries and the nature of daily experience.

However, some risks are attached, such as in terms of privacy and security due to breaches in data, there will be a time when large numbers of people may face job displacement due to automation, and other societal issues would include increased screen time in front of the computer or handsets with inappropriate content, which may spread misinformation. Balancing acceptance of such technological progress and the risks involved would be essential to get the best of positive impacts and minimize possible harm.

The program was inaugurated at the hands of Dr. P. V. Ingole, Head of Information Technology Department and senior professors Prof. S.V. Dhopte, Prof. S. S. Kulkarni, Dr. A. S. Alvi, Dr. P. P. Deshmukh, Prof. Ms. M. S. Deshmukh and all other faculty members were present for the event.

Prof. N. V. Kadam, Prof. Mr. A. W. Burange, and Prof. S.V. Dhopte were invited as a judge of event. All staff members along with students of 2nd, 3rd and final year IT students attended the event.

As per the evaluation of judges following students were declared as winner.
1. Jay Jadhao- 1st Winner.
2. Vedant Kalpande – 2nd Winner

"CODEQUEST Competition"

The Department of **Information Technology** has conducted 'CODEQUEST' competition on behalf of "**IETE**" Students Forum (ISF) on 20.09.2024. All students of different department came forward to participate in this event.

In this competition 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 combinedat Programming Lab, Software Engineering Lab, Database Lab, Networking Lab, Operating System Lab of IT Department.

There were 2 rounds in the competition. The first & Second Each round was the coding round where the participants can code in any programming language. Students from CSE, IT, Mechanical, EXTC, IIOT, AIDS Departments were participating in competition individually and in teams of 2 members. Out of 73 participants, 35 students were selected for the second round that was the Final round. The Final round was trouble shooting round in which the selected students were asked to programmed high level programming question and top 3 scoring student on leaderboard were declared as winners of the competition and received cash prize as the first winner received 1500/- Rs, Second winner received 1000/- Rs and Third winner received 500/- Rs.

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. G. R. Bamnote (Principal, PRMITR), Dr. P. V. Ingole , HOD of Information Technology appreciated the students for their active participation in the event. Totally 73 students participated the event. Miss. Riya Umekar (Coordinator) delivered the Vote of Thanks. Dr. S. N. Sarda (Convener), and Coordinator have made all the arrangements.

Following students were declared as winner.

1. Mr. Akash Pandit & Mr. Sameer Panat Final Year(CSE) - 1ˢᵗ Winner.
2. Mr. Prajwal Tarpe Final Year (IT) – 2ⁿᵈ Winner
3. Mr. Sujit Sable & Mr. Sojwal Khodaskar Mr. III Year (IT) – 3ʳᵈ Winner

"Expert Lecture on Ethical Week"

Dr. P V. Ingole, Head, Department of Information Technology guiding the students

A lecture on the Importance of Ethical and Moral Values was delivered by Head of Department Dr. P. V. Ingole on the occasion of Ethical Week Celebration in Information Technology Department on 4ᵗʰ September 2024. The session was organized to install a deeper understanding of ethics and morality in students encouraging them to adopt these values in their personal

This lecture was organized for B.Tech Second year students of both the sections. Total 125 students attended the expert lecture by HOD.

The session began with a brief introduction by HOD, highlighting the necessity of fostering ethical awareness in today's dynamic and competitive environment. He emphasises on the roles of ethics and morality in character building, the impact of ethical behavior on professional success and societal harmony, challenges posed by unethical practices in contemporary society, Strategies to nurture moral values in students through education and practice, relevance of ethical values in building trustworthy relationships.

The Head of Department shared numerous examples, drawing from both historical and modern contexts, to illustrate how ethical values influence decision-making and long-term success. Special emphasis was placed on values such as honesty, integrity, empathy, and respect, which are crucial for personal growth and a peaceful coexistence.

The session also included a discussion where attendees had the opportunity to interact and share their perspectives. Questions from students about real-life ethical dilemmas were answered with clarity and practical advice by the speaker.

In conclusion, the Head of Department urged the audience to lead by example, emphasizing that every individual has the responsibility to uphold ethical standards and contribute to a better society.

The event concluded with a vote of thanks by Dr. P.P. Deshmukh , Coordinator Ethical Week Celebration program who acknowledged the efforts of the Head of Department in delivering an inspiring and thought-provoking lecture. Participants appreciated the session and expressed their intent to apply the lessons learned in their everyday lives. The class teachers of both the sections have motivated students to attend the lecture.

"Flipped Classroom Activity"

The Department of Information Technology, Prof. Ram Meghe Institute of Technology and Research Badnera has organized One-week Ethical Week celebration. Under Ethical Week, a flipped classroom activity was organized on 5ᵗʰ September 2024. The goal for organizing this flipped classroom activity is encourage students learn at their own pace, and have more opportunities for higher level learning. A flipped classroom is a teaching method that reverses the traditional lecture and homework cycle.

Students performing flipped classroom activity

In a flipped classroom, students watch pre-recorded lectures or other online resources at home before class, and then use the information to complete activities in class. The final year students participated in the flipped classroom activity. As is was organized on the occasion of "Teacher's Day", final year students conducted classes for the second and third year students.

The program was coordinated by Dr. Maithili S. Deshmukh and Prof. N. S. Band. All the teaching faculty supported in the conduction of this activity. Dr. P. V. Ingole, Head, Department of IT appreciated the efforts taken by the students for the smooth conduction of this program.

'Research Bootcamp'

The Research Bootcamp, organized by the **Department of Information Technology** in collaboration with the **IETE Student Forum**, was held on 27th September 2024 at **Prof. Ram Meghe Institute of Technology & Research, Badnera**. The session aimed to provide students with a comprehensive understanding of how to do research, write, and publish research papers.

The event began with the formal welcoming of the esteemed guests, including **Dr. P. V. Ingole**, Head of the IT Department, **Dr. S. J. Deshmukh**, Dean Research and Promotion Cell, and **Dr. S. N. Sarda**, IETE Student Forum Coordinator. The guests were warmly greeted by the organizing team, setting the stage for the insightful session that followed. After the guest introductions, Dr. P. V. Ingole delivered an insightful session on the research process, from selecting a topic to publishing in high-impact journals. He discussed the importance of originality, research structure, and ethical considerations. sir also highlighted key strategies for writing impactful research papers and the steps for successfully publishing in academic journals. The session was interactive, with students engaging in a Q&A session to address challenges faced in research and writing.

The Speaker offered practical solutions and resources to help students improve their research skills.

The event was attended by more than **150 students** from various branches. Feedback from attendees was overwhelmingly positive, with students praising the depth of the session and the clarity with which Dr. P. V. Ingole addressed research challenges. Special thanks to ISF coordinator, Dr. S. N. Sarda, for his invaluable support in organizing the session.

Dr. P. V. Ingole, Head, Department of Information Technology delivered an insightful session on the research process, from selecting a topic to publishing in high-impact journals

The Research Bootcamp was a resounding success, offering students valuable insights into the world of research and publication. The session not only provided practical knowledge but also motivated students to actively pursue research opportunities.

Coordinators of the event were Utkarsh Deshmukh, Kartik Umale, Samyak Bhole, Atharva Gulhane, Satyak Gulhane, Darpan Thakare, Aniket Zapke, Vedanti Deulkar, Aditi Jayade, Gayatri Bhatkar, Aanya Badoniya, Tanu Wadaskar, Mrunali Yawale.

Workshop on SCRATCH 3.0

Scratch is a programming language tool and an online community where student can program and share interactive media such as stories, games and animation with people from all over the world. With scratch student learn to think creatively, work collaboratively and reason systematically. Scratch is designed and maintained by MIT media lab.

Name of Workshop: TWO DAYS WORKSHOP ON "PROGRAMMING TOOL- SCRATCH 3.0"

Conducted By: Prof. (Dr.) A.W. Burange, Prof. U.V. Nikam & Prof. H.D. Misalkar

Eligible Students: All First Year Students.

Conducted On:21st & 22nd November 2024

The workshop began with an inspiring inaugural address delivered by Dr. P. V. Ingole, the Head of the Department of Information Technology at Prof. Ram Meghe Institute of Technology and Research, Badnera, Amravati. In his speech, Dr. Ingole highlighted the growing importance of this tool in today's fast-evolving competitive coding landscape. He also encouraged students to cultivate a habit of continuous learning and self-improvement. The event witnessed enthusiastic participation from first-year students of both Section A and Section B.

The contents for the workshop were as follows:

Session 1

1. Introduction to Scratch
2. Importance of coding in today's technical environment.
3. Installation of Scratch
4. Introduction to Scratch GUI.
5. Working of Scratch GUI

Session 2

1. Practical implementation of projects (Hands-on)
2. Football playing animation
3. Music animation
4. Introduction of different objects & their tasks in project.
5. Helicopter theme coding

More than 100 students took part in this workshop, where they were intrigued by the dynamic and engaging presentation of coding concepts. They expressed their satisfaction with understanding the logic behind programming and thoroughly enjoyed the hands-on interactive sessions. Additionally, they showcased their programming skills by creating impressive animations, effectively applying logical reasoning through the tool.

Guest Lecture on "Abroad Education, Awareness and Opportunities"

Department of Information Technology of Prof. Ram Meghe Institute of Technology & Research, Badnera in association with Proficient Tech. Amravati conducted guest lecture on "Abroad Education, Awareness and Opportunities" for B. E Third year & Final year students on 25th July 2024 at 3.30 pm. The experts for this guest lecture were Ms. Prajakta Kale and Mr. Ashwin Alsi, MS Mechanical University of Chicago and Directors Proficient Tech. Total 70 students from B.E. Third year & Final year section A & B attended the guest lecture. Expert explained all opportunities in higher studies in overseas, preparation needed for higher studies. Many students dreams to do higher studies in renowned foreign universities but unaware of how to proceed for the same. This guest lecture definitely helps them to do the preparations, know the renowned universities and courses. They told about some universities provides the educational scholarship for higher education. Their company also started with some amount of scholarship for the students which help them for some preparation. Ms. Gauri kale explained step by step procedure to go for higher studies and also solved student's queries.

Guest lecture was highly appreciated by students and faculty members. Dr. Pranjali P. Deshmukh, Third and Final year class teachers have taken efforts to motivate students and arrange this guest lecture.

Guest Lecture on "Android Application Development"

Department of Information Technology of Prof. Ram Meghe Institute of Technology & Research, Badnera in association with IBase Electrosoft LLP. Amravati conducted guest lecture on "Android Application Development" for B. Tech Second year students on 26th July 2024 at 1.30 pm. The expert for this guest lecture was Mr. Nakul Deshmukh , Director IBase Electrosoft LLP. Total 70 students from B. Tech Second Year Section A & B attended the guest lecture. A guest lecture on Android Application Development was conducted to provide students with an in-depth understanding of the basics and advanced concepts of mobile application development on the Android platform. The primary objective of the lecture was to familiarize students with Android app development, its tools, frameworks, and the latest trends in the mobile app industry. The session aimed to bridge the gap between academic learning and

industry practices. The expert Mr. Nakul Deshmukh covered overview of Android and Android Operating system and evolution, importance and market dominance of Android in mobile application development, Android development tools etc.

Guest lecture was highly appreciated by students and faculty members. Dr. Pranjali P. Deshmukh, Second year class teachers have taken efforts to motivate students and arrange this guest lecture.

Achievements

Achievements by Department of Information Technology

1. Final year IT students, Mr. Anshu Raj and Ms. Sakshi Kale, clinched the AEGIS Graham Bell Award for technology excellence and innovation Mr. Anshu Raj and Ms. Sakshi Kale are selected among the top 30 nationwide. They received this honour from Minister of Road Transport and Highways of India, Mr. Nitin ji Gadkari, at New Delhi. Aegis also rewarded them with scholarships for higher education
2. Dr. A. S. Alvi received an award for Valuable Contribution to the Education Industry at Education Awards-LREA 2023
3. Dr. A. S. Alvi received Global Excellence recognition awards by Edumatrix Foundation on the occasion of Teacher's Day 2024
4. Four faculty members awarded with Ph.D 1. Dr. Anup Burange 2. Dr. Niketa Kadam 3.Dr. Anup Kadu 4. Dr. Umesh Nikam
5. Patent published by Dr. P. V. Ingole in 2024-25
6. Patent published by Dr. A. S. Alvi in 2023-24
7. Shrutika Vaidya. Second year Sec A IT1st winner Folk dance Youth Festival 2024-25
8. Boys and Girls Chess team of our college have won the Award at University Intercollegiate chess competition organized at Akola. Students from 2nd year & 3rd year IT.
9. 30+ research papers published in Journals and conferences in the session 2023-24

Best Regards-

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

Editorial Board