

AIML DEPARTMENT

2024-2025

EVEN SEMESTER

VISION AND MISION

VISION

CREATING A SENSE OF COMPETENCE AND SOCIAL RESPONSIBILITY, AMONG ENGINEERS WORKING IN THE AREA OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BSIET.



MISSION

M1-TO IMPART QUALITY AI EDUCATION THROUGH EXPERIENTIAL BASED EFFECTIVE TEACHING LEARNING MECHANISM(QUALITY EDUCATION IN OBE PROCESS).

M2-TO INSTILL ANALYTICAL POWER, AND PROBLEM SOLVING ATTITUDE THROUGH WIDE VARIETY OF MACHINE LEARNING TASKS(CRITICAL THINKING AND RESEARCH SKILLS).

M3-TO EQUIP THE STUDENTS WITH INDUSTRY PREFERRED BUILT IN LIBRARIES AND APIS THROUGH REAL WORLD APPLICATION PROJECTS FOR INTERNSHIP AND JOB OPPORTUNITIES(INDUSTRY PROFESSIONALS, SKILLING).

M4-TO IMBIBE A LIFELONG LEARNING SPIRIT AMONG STUDENTS AND STAFF FOR NURTURING SUSTAINABLE SOCIETY AND ENVIRONMENT THROUGH SOCIAL AND OUTREACH ACTIVITIES. (SENSITIZING TOWARDS NATION BUILDING).

AIML DEPARTMENT

2024-2025

EVEN SEMESTER



WORDS FROM THE HEAD OF DEPARTMENT (MR . ABHIJEET A. PARITEKAR)

Our Dedication To Pushing The Boundaries Of What's Possible In Ai And Ml Continues To Be Our Driving Force. Department Our Aiml Community Is More Than Just A Collection Of Brilliant Minds; It's A Family That Thrives On Curiosity, Innovation, And The Unending Quest For Knowledge. In The Ever-Evolving Landscape Of Technology, Our Department Stands As A beacon Of Progress, A Hub For Groundbreaking Research, And A Source Of Inspiration For Those Who Believe In The Potential Of Artificial Intelligence To Reshape The World. It's A Reflection Of Our Commitment To Excellence, Ethical Practices, And A Future Where Ai And Ml Make The World A Better Place. As The Head Of The Aiml Department, I Couldn't Be Prouder Of What We've Accomplished Together, And I'm Excited About The Possibilities That Lie Ahead.

BSIETAIML

AIML DEPARTMENT

2024-2025

EVEN SEMESTER



WORDS FROM THE EDITOR'S DESK

(MRS.KRANTI S. SAWANT)

As The Editor, I Have The Distinct Honor Of Witnessing The Incredible Work, Dedication, And Innovation That Emanates From every Corner Of Our Department. It's A Privilege To Take Up The Virtual Pen And Compose This Message From The Editor's Desk For Our Aiml Department Newsletter. Our Department Thrives On The Relentless Pursuit Of Knowledge, And This Newsletter Is A Reflection Of Our commitment To Disseminating That Knowledge Far And Wide. I Extend my Heartfelt Gratitude To The Writers, Photographers, Designers, And All Those Who Contribute To Making This Newsletter Possible.

BSIETAIML

AIML DEPARTMENT

2024-2025

EVEN SEMESTER



WORDS FROM THE STUDENT COORDINATOR (MISS. ANANNYA S. POWAR)

It is with great enthusiasm that i present this edition of our aiml department newsletter, a reflection of our journey in the ever-evolving world of artificial intelligence and machine learning. as students of aiml, we stand at the forefront of technological advancements, exploring innovations that shape the future.

This newsletter serves as a platform to showcase groundbreaking projects, research developments, insightful articles, and the achievements of our peers. I extend my sincere gratitude to our faculty, contributors, and the editorial team for their dedication in making this publication possible. let's continue to push boundaries, innovate fearlessly, and contribute to the ai revolution.

BSIETAIML

AIML DEPARTMENT

EXPERTLECTURE

(From Labs to Life)

2024-2025

EVEN SEMESTER



From Labs to Life aimed to explore the integration of AI and ML technologies in real-world scenarios, making these advanced technologies more accessible to everyone, not just researchers or big companies. It embodies the idea of bridging the gap between theoretical, lab-based research and practical, everyday applications that can improve people's lives.



1. Personal Assistants and Automation:

Virtual assistants like Siri, Alexa, and Google Assistant are powered by AIML. These AI systems are improving everyday tasks, making communication, scheduling, and information retrieval more efficient.

2. Healthcare:

AIML is revolutionizing healthcare, from early diagnosis to personalized treatment. Algorithms are used for predicting diseases, processing medical images, and even suggesting tailored treatment plans.



AIML DEPARTMENT

EXPERT LECTURE (MNC company soft skills)

2024-2025

EVEN SEMESTER



Mr. Hemant Tukaram Divekar (CEO of Vinayak IT Solutions) was an expert lecture for the topic "MNC Work Culture" which was held on 12th FEB 2025.

The guest lecture on "MNC Work Culture" aimed to explore the IT MNC company work culture. The speaker, Mr. Hemant Divekar a renowned expert in the field. Provided valuable insights into practical applications, project ideas, and the future of AI in edge computing.



1. Introduction to MNC Work Culture
2. Work Environment and hierarchical structure
3. Work-life balance in MNCs
4. Communication and collaboration tools
5. Key skills required to succeed in MNCs
6. Software and tools for task management
7. Payment systems and salary structure



AIML DEPARTMENT

EXPERT LECTURE

(Network Security and Data

2024-2025

Communication by Bits Technology)

EVEN SEMESTER



The guest lecture on “Network Security And Data Communication Network” aimed to explore the network security and data communication technologies. The speaker Mr. Ranjit Vandakar a renowned expert in the field, provided valuable insights into practical applications, project ideas and the future of AI in network security



Mr. Ranjit Vandakar (System Administrator, bits techno kolhapur) was an expert lecture for the topic “Network Security And Data Communication Network” which was held on 27th FEB 2025.

- 1.Introduction to network security
- 2.Types of network security
- 3.Best practices for network security
- 4.Introduction to data communication network
- 5.Components of data communication network
- 6.Network topologies

AIML DEPARTMENT

EXPERT LECTURE (Quantum computing)

2024-2025

EVEN SEMESTER



Mr. Datta Kale (Assistant Professor MIT ADT University Pune) took guest lecture on "Quantum Machine Learning" aimed to explore the Quantum Machine Learning concepts.



Key Highlights:

1. Introduction to Quantum Machine Learning
Quantum Machine Learning (QML) is an exciting interdisciplinary field that merges the concepts of quantum computing with machine learning (ML) techniques. The goal of QML is to leverage the principles of quantum mechanics to enhance traditional machine learning methods, potentially unlocking new capabilities and solving problems that are difficult or infeasible for classical computers.
2. What is machine learning?
3. Quantum Machine Learning
4. How QML Works?
5. Applications of QML
6. Current Status of QML

AIML DEPARTMENT

ANNUAL SPORTS

2024-2025

AISA WINNING MOVEMENTS

EVEN SEMESTER



We are proud to announce that **Anannya Powar** and **Taniya Katigar** secured the Winner and Runner-up positions, respectively, in the Badminton Tournament held at BSIET, Kolhapur. They showcased exceptional skill and determination while competing against players from the Mechanical, Electrical, and Civil departments.

In the Boys' category, **Hrishikesh Adurkar** demonstrated outstanding performance and secured the Runner-up position.



A huge round of applause for the **AIML boys' cricket team for their remarkable hat-trick victory in the cricket tournament at BSIET Kolhapur!**

With sheer determination, Team work, and an unbeatable spirit, they have secured the championship title for the third consecutive time, proving their Dominance on a field!



AIML DEPARTMENT

ANNUAL SPORTS

2024-2025

AISA WINNING MOVEMENTS

EVEN SEMESTER



Heartiest congratulations to **Siddhika Sawant and Anushka Otari** for their remarkable victory in the Carrom Tournament at BSIET Kolhapur!

A huge congratulations to the **AIMLboys' team** for their remarkable victory in the Football Tournament at BSIET Kolhapur!

With skillful play, teamwork, and determination, they dominated the field and secured the championship title. Their hard work and dedication truly paid off!



We are thrilled to announce that **Anannya Powar** and **Taniya Katigar** show cased outstanding skills and determination in the **Table Tennis Tournament held at BSIET Kolhapur, securing the Winner and Runner-up positions, respectively!**

Competing against teams from the Mechanical, Electrical, and Civil departments, they demonstrated incredible sportsmanship and talent.

In the boys' category, **Viraj Musale** emerged as the Winner, displaying exceptional gameplay and strategy.

AIML DEPARTMENT

GENERAL CHAMPIONSHIP

2024-2025

AISA WINNING MOVEMENTS

EVEN SEMESTER



A moment of pride and celebration for the Artificial Intelligence & Machine Learning (AIML) Department as they secure the prestigious General Championship at BSIET Kolhapur with an outstanding total of 150 points!

This phenomenal victory was achieved through exceptional performances across multiple sports, showcasing teamwork, dedication, and sportsmanship at its best.

With this all-round dominance, the AIML Department has proven its excellence in sports and teamwork, making this victory a truly historical achievement!



Points Breakdown:

- Cricket - 30 points (Unbeatable 3-time champions!)
- Football - 30 points (Outstanding teamwork on the field!)
- Girls' Badminton - 15 points (Winner) + 10 points (Runner-up)
- Boys' Badminton - 10 points (Strong performance in singles and doubles)
- Girls' Table Tennis - 15 points (Winner) + 10 points (Runner-up)
- Boys' Table Tennis - 15 points (Winner, showcasing top skills!)
- Girls' Carrom - 15 points (Strategic brilliance on display!)



AIML DEPARTMENT

ZONALS

2024-2025

PROUD MOVEMENTS FOR AISA

EVEN SEMESTER



We are proud to announce that Anannya Powar and Taniya Katigar, students of the AIML Department, have emerged victorious in the Zonal Badminton Tournament held under the Inter Engineering Diploma Students Association (IEDSSA), Maharashtra State! Their exceptional performance, skill, and determination led them to this remarkable achievement, making the AIML department and BSIET Kolhapur proud!



Siddhika Sawant, Anushka Otari, and Harshada from the AIML Department have emerged as winners in the Zonal Carrom Championship held under the Inter Engineering Diploma Students Association (IEDSSA), Maharashtra State! Their exceptional performance in this prestigious competition showcased their strategic brilliance and teamwork, helping them secure victory against tough competition.

AIML DEPARTMENT

ZONALS

2024-2025

PROUD MOVEMENTS FOR AISA

EVEN SEMESTER



The students of the AIML Department and other departments have made us proud with their exceptional achievements in the Kho Kho competition and the Zonals Table Tennis Tournament held under the Inter Engineering Diploma Students Association (IEDSSA), Maharashtra State!

KhoKho:

The Kho Kho team, consisting of students from multiple departments, put up an outstanding display of teamwork, agility, and strategy to secure the championship title, bringing home a well-deserved victory.

A huge congratulations to Anannya Powar, Siddhika Sawant, and Anushka Otari from the AIML Department for securing the Runner-up position at the Zonal Table Tennis Championship, held under the Inter Engineering Diploma Students Association (IEDSSA), Maharashtra State!

Their exceptional performance and unwavering team work at this prestigious event have made the AIML Department proud! The championship witnessed fierce competition, and these talented students demonstrated remarkable skills and sportsmanship to achieve this impressive result.



AIML DEPARTMENT

MICROSOFT LEARNING STUDENTS AMBASSADOR

2024-2025

ACTIVITIES DONE UNDER THE CLUB

EVEN SEMESTER



The MLSA (Microsoft Learn Student Ambassador) Club, under the AIML Department, successfully organized an engaging 3-day workshop aimed at enhancing students' professional and technical skills. The workshop covered LinkedIn Activity, GitHub, and Copilot AI, providing participants with hands-on experience and valuable insights.

Day 1: LinkedIn Activity – Building a Strong Professional Network

The first session focused on LinkedIn optimization, where students learned the importance of maintaining a professional profile, networking strategies, and how to create impactful posts. Tips for increasing profile visibility and engaging with industry leaders were also discussed.



Day 2: GitHub – Mastering Version Control & Collaboration

The second day introduced students to GitHub, covering essential topics such as repositories, commits, branches, pull requests, and collaborative coding. A hands-on session enabled participants to understand open-source contributions and best practices for software development.

Day 3: Copilot AI – Revolutionizing Coding with AI Assistance

The final session explored GitHub Copilot AI, demonstrating how AI-powered coding assistants can boost developer productivity. Students got hands-on experience using Copilot to write, debug, and optimize code, showcasing the future of AI-assisted programming.

AIML DEPARTMENT

IMPLUSE

PAPER PRESENTATION ORGANIZED BY AIML&CO DEPARTMENT

2024-2025

EVEN SEMESTER



The AI & Co Department at BSIET Kolhapur successfully organized two exciting and intellectually stimulating events during Impulse 2025: Paper Presentation and Code Quest!

Paper Presentation:

The Paper Presentation event provided a platform for students to present their research, innovative ideas, and technological advancements. It was an incredible opportunity to foster creativity, critical thinking, and academic exchange among participants.



CodeQuest:

The Code Quest challenge pushed participants to their coding limits, testing their problem-solving skills and technical expertise. Participants competed to solve complex coding problems within a limited time, showcasing their talent and mastery over various programming languages and algorithms.



AIML DEPARTMENT

ACHIEVEMENT OF STUDENT

2024-2025

WON AND PARTICIPATED IN VARIOUS NATIONAL AND STATE LEVEL EVENTS

EVEN SEMESTER

A huge congratulations to Abhay Hanchate and Shraman Patil for their outstanding performance and victory in the Quiz Competition held during Impulse 2025 at BSIET Kolhapur!

Their quick thinking, knowledge, and teamwork helped them outshine the competition and secure the top spot. This win showcases their intellectual Progress and passion for learning.



We are excited to announce that Anannya Powar has emerged as the Winner of the Poster Presentation competition at Impulse 2025 held at BSIET Kolhapur!

Her creative design, innovative ideas, and exceptional presentation skills helped her stand out and secure the top position in this competitive event. The win is a reflection of her dedication and passion for her work.

AIML DEPARTMENT

ACHIEVEMENT OF STUDENT

WON AND PARTICIPATED IN VARIOUS NATIONAL AND STATE LEVEL EVENTS
2024-2025 EVEN SEMESTER



A huge congratulations to the students of the AIML Department for their exceptional performance at the competition held at D.Y.Patil College! The team showcased outstanding skills and dedication, securing the Winner and Runner-up positions, bringing pride to BSIET Kolhapur. Their hard work, strategy, and teamwork played a crucial role in achieving these remarkable results.



We are proud to announce that Anannya Powar emerged as the Winner in the Poster Presentation Competition held at Government Polytechnic Spark!

Her creative design, innovative ideas, and effective communication of the concept impressed the judges, earning her top honors. This victory highlights her talent and dedication to excellence in the field of design and communication.

AIML DEPARTMENT

ACHIEVEMENT OF STUDENT

WON AND PARTICIPATED IN VARIOUS NATIONAL AND STATE LEVEL EVENTS
2024-2025 EVEN SEMESTER



We are proud to announce that Darshni Kakade from the AIML Department has won the Project Competition at Government Polytechnic Spark! Her innovative project impressed the judges with its creativity, technical depth, and practical Intelligence and Machine Learning. This victory is a testament to her hard work and dedication.

Congratulations to our students Ayush Bhandigare, Atharv Yedage (TY AN)

2ndRank BGMI Tournament
(QUANTUM 2k25)
Held at D.Y.PATIL TECHNICAL
CAMPUS
FACULTY OF ENGINEERING
AND FACULTY OF
MANAGEMENT,
Talsande.



AIML DEPARTMENT

ACHIEVEMENT OF STUDENT

WON AND PARTICIPATED IN VARIOUS NATIONAL AND STATE LEVEL EVENTS

2024-2025

EVEN SEMESTER



Heartly Congratulations to our student Vinayak Kumbhar, Shraman Patil, Navnath Mane (TY AN) 2ndRank Project Competition (Technova 2k25) organized By IT Department held at Government Polytechnic, Kolhapur

We are proud to announce that Anannya Powar emerged as the Winner in the Poster Presentation Competition held at Government Polytechnic

Technova!

Her creative design, innovative ideas, and effective communication of the concept impressed the judges, by earning her top honors. This victory highlights her talent and dedication to excellence in the field of design and communication.



AIML DEPARTMENT

TRADITIONAL DAY AT BSIET

2024-2025

EVEN SEMESTER



BSIET Kolhapur celebrated its vibrant Traditional Day, bringing together the spirit of culture, unity, and festivity across the campus!

A special moment was captured with the GC of AIML (General Championship Artificial Intelligence & Machine Learning) team, who proudly represented their department and contributed to the success of the day!



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AIML DEPARTMENT

INDUSTRIAL VISIT

2024-2025

EVEN SEMESTER



INDUSTRIAL VISIT OF AIML ENGINEERING STUDENTS TO ACME INFOVISION SYSTEMS PVT LTD.

A group of AIML Engineering students from Dr. Bapuji Salunkhe Institute Of Engineering And Technology visited Acme Infovision Pvt.Ltd. Acme Infovision System Pvt.Ltd.Satara is a software solution company & widely spread all over India.

- To Gain Industry Exposure: Understand the operational aspects and workflow of a software development company.
- To Learn About Real World Applications: See how theoretical concepts from the curriculum are applied in a professional environment.
- To Network with Professionals: Interact with industry experts and gain career advice.
- To Explore Career Opportunities: Learn about various roles and career paths in the software industry.



