



ADVAITA

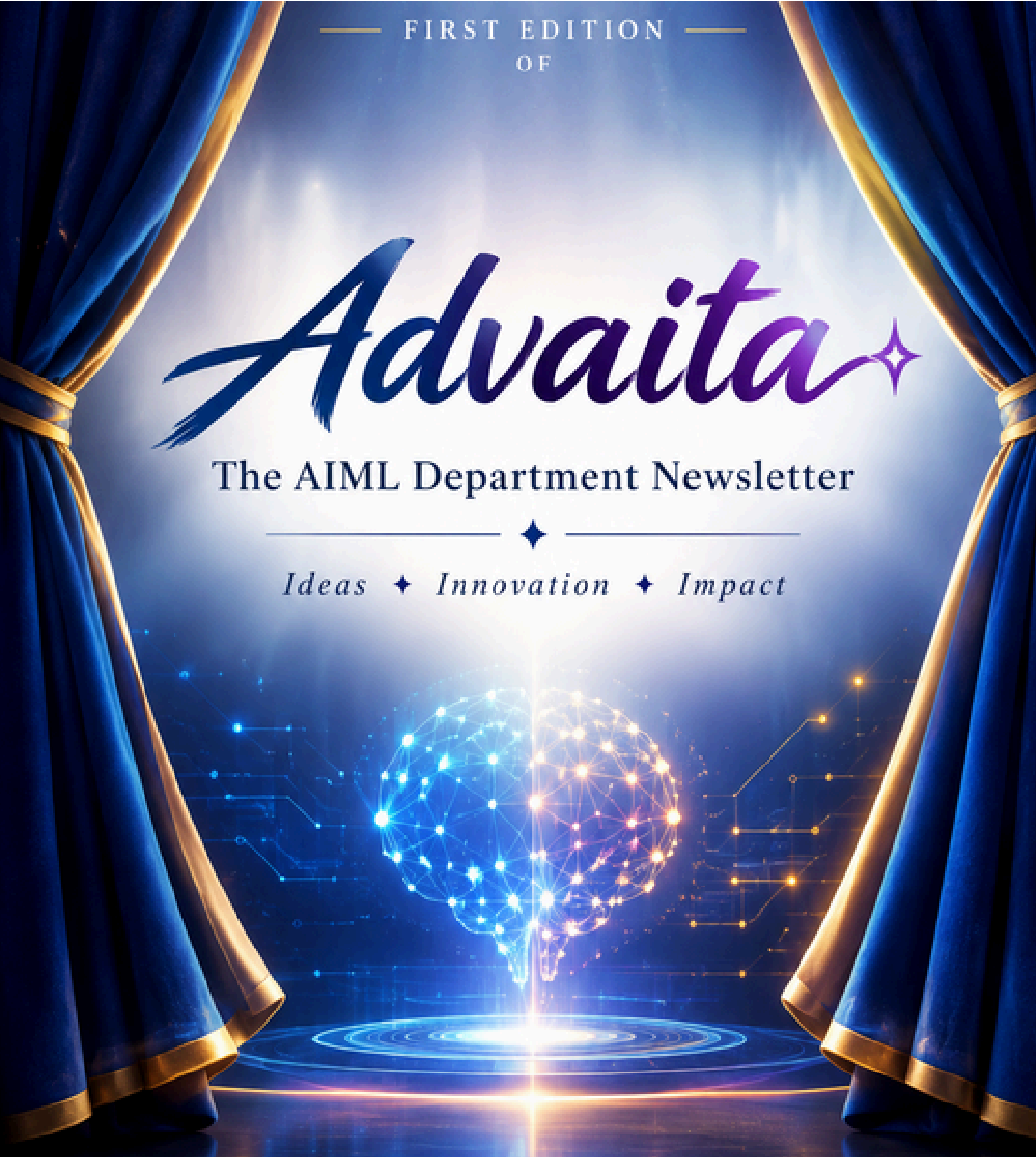
SEP 2026

— FIRST EDITION —
OF

Advaita

The AIML Department Newsletter

— ♦ —
Ideas ♦ Innovation ♦ Impact



DIRECTOR'S DESK



Hon. Achyut Sawant Bhonsale

Dear Advaita Readers,
It gives me immense pleasure to present the first edition of Advaita, the newsletter of our Artificial Intelligence and Machine Learning Department. This publication marks an important step in celebrating the creativity, curiosity, and accomplishments of our students and faculty in the rapidly evolving world of intelligent technologies.

At YBIT, we strive to empower our students with the knowledge, technical expertise, and innovative mindset needed to meet the challenges of tomorrow. We encourage them to explore emerging technologies, think critically, develop practical solutions, and use the power of Artificial Intelligence and Machine Learning to make a meaningful impact on society.

This inaugural edition brings together the achievements, technical activities, academic initiatives, innovative ideas, and memorable moments that reflect the spirit of our department. I congratulate the editorial team, faculty members, and students who have contributed to making this first edition possible. May Advaita continue to inspire knowledge, nurture innovation, and open new horizons of learning and discovery. I extend my best wishes to the entire team for the success of this initiative and for many more inspiring editions ahead.

EDITORIAL COMMITTEE

Editor in Chief Mr. G. A. Bhosale (Vice Principal)	Departmental Faculty Member Mr. D. B. Masurkar (Lecturer)
Co-Ordinator Mrs. N. N. Sandye (Lecturer)	Departmental Student Member Mr. Aashay Bharati (Student FYAI)

VICE-PRINCIPAL'S DESK



Mr. G. A. Bhosale

Dear Advaita Readers,
It is a pleasure to present the inaugural edition of Advaita, which reflects the curiosity, creativity, and achievements of our Artificial Intelligence and Machine Learning Department. This newsletter offers a glimpse into the learning experiences, technical initiatives, and innovative ideas that contribute to the growth of our academic community at YBIT.

Education becomes truly meaningful when theoretical knowledge is combined with practical experience, critical thinking, creativity, and the courage to explore new possibilities. Our students continue to embrace these values through their academic pursuits, technical projects, collaborative activities, and enthusiasm for emerging technologies. As Artificial Intelligence and Machine Learning continue to shape the future, I encourage every student to remain curious, strengthen their skills, explore new ideas, and use their knowledge to create meaningful solutions.

May this first edition of Advaita inspire our students to think beyond boundaries, learn continuously, and approach every opportunity with confidence and determination. I congratulate everyone who has contributed to this initiative and wish the newsletter continued success in its journey of knowledge, innovation, and discovery.



ABOUT ADVAITA



THE ESSENCE OF ADVAITA

Where Intelligence Meets Innovation

The word Advaita, derived from Sanskrit, means "non-duality" or "oneness." It represents unity, harmony, and the interconnectedness of ideas. Inspired by this profound meaning, Advaita stands as a symbol of our department's vision to unite knowledge, creativity, and technology in shaping a smarter future. In the dynamic world of Artificial Intelligence and Machine Learning (AI & ML), innovation begins with curiosity and grows through exploration, experimentation, and discovery. These technologies are transforming the way we understand the world, solve complex problems, and envision new possibilities. Advaita embraces this spirit of progress by encouraging students to think beyond boundaries, explore emerging technologies, and transform their ideas into meaningful solutions.

As the official newsletter of the AI & ML Department at YBIT, Advaita provides a platform to showcase student achievements, innovative projects, technical activities, academic initiatives, faculty contributions, and memorable moments from departmental life. It brings together the diverse talents and perspectives of our academic community, celebrating every step taken towards learning, growth, and excellence.

More than just a newsletter, Advaita reflects our shared vision of a future where human creativity and machine intelligence work together to create meaningful change. It represents the beginning of a journey driven by knowledge, collaboration, and the courage to innovate.

With this inaugural edition, we invite our readers to explore new ideas, celebrate achievements, and become part of a community that continuously learns, creates, and evolves.

Advaita – One Vision. Infinite Possibilities. A Smarter Tomorrow.

OUR VISION

To produce ethical, innovative, and skilled diploma engineers in Artificial Intelligence & Machine Learning capable of contributing effectively to society and industry.

OUR MISSION

Mission 1:

To provide students with curriculum and industry-oriented teaching-learning processes in Artificial Intelligence and Machine Learning.

Mission 2:

To encourage faculty and students to participate in research, innovation, industrial training, and technical events.

Mission 3:

To develop ethical values, leadership qualities, and entrepreneurial skills among students through practical and project-based learning.



A NEW ERA BEGINS: AI/ML AT YBIT >>>

MENTOR'S DESK



**Yashwantrao Bhonsale
Institute of Technology**
Sawantwadi

Remarkable
ADMISSION

to the Opening of the Program

AI/ML

55
ADMISSIONS
HAVE HAPPENED



Dear Advaita Readers,
It gives me great happiness to write a few words for the very first edition of Advaita, the newsletter of our new Artificial Intelligence & Machine Learning Department at YBIT.

Starting a new department is both a responsibility and an opportunity. With the admission of our first batch of 55 students, a new chapter has begun in the institute's journey. Artificial Intelligence and Machine Learning are changing the way we study, work and live, and I am glad that our students will learn these technologies from the very beginning of their diploma.

I would like to tell our first-year students that a first batch builds the foundation of a department. Be regular and disciplined. Stay curious and ask questions. Use AI tools to learn and understand, and do not use them only to get answers. Take part in projects, technical events and training programmes, and always remember that technology is most valuable when it is used ethically and for the good of society.

I appreciate the efforts of the faculty, the editorial team and the students who contributed to this edition. May Advaita grow with the department and reflect its learning, creativity and achievements in the years to come.

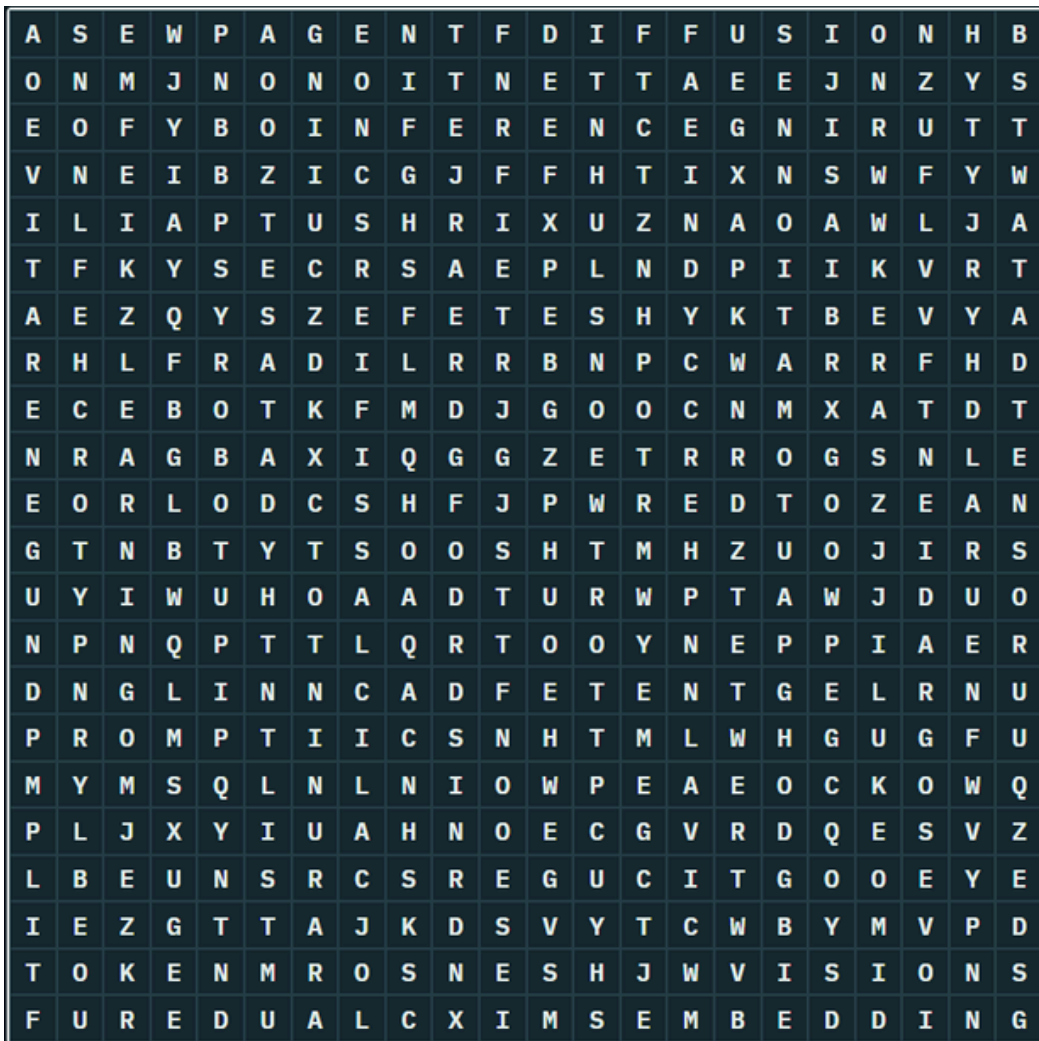
Best wishes to all.

Thank you.



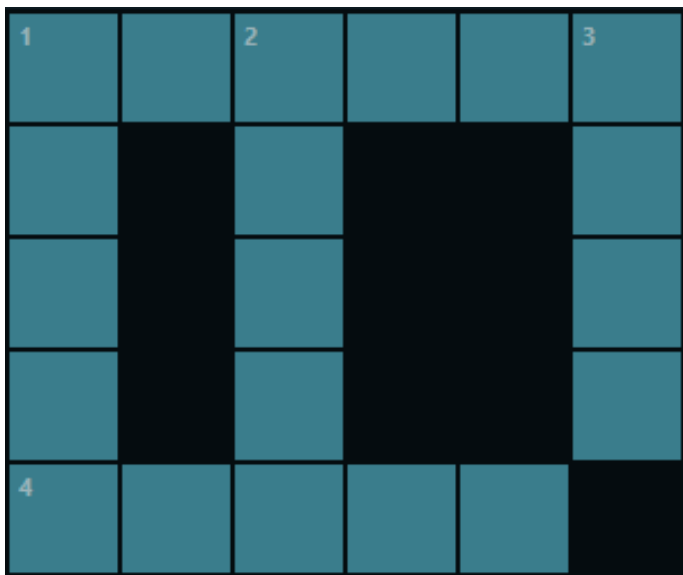
AI WORD HUNT:

Can You Find the Hidden Tech?



AGENT	LEARNING
ALGORITHM	LLM
ATTENTION	MACHINE
AUTOMATION	MODEL
BIAS	NETWORK
CHATBOT	NEURAL
CLASSIFIER	NLP
CLAUDE	PROMPT
CLUSTER	PYTHON
DATA	PYTORCH
DATASET	REGRESSION
DEEP	ROBOT
DIFFUSION	SENSOR
DRONE	SPEECH
EMBEDDING	TENSOR
GENERATIVE	TOKEN
GPT	TRAINING
GRADIENT	TRANSFORMER
INFERENCE	TURING
KERAS	VISION

Tech Name Crossword



Across

1. Beginner-friendly programming language named after a comedy group
2. Open-source operating system with a penguin mascot

Down

1. Smallest dot of colour on a screen
2. Chunk of text an AI model reads at a time
3. A single point in a network or tree

Answers: 3 Down: NODE
2 Down: TOKEN
1 Down: PIXEL
Down
4 Across: LINUX
1 Across: PYTHON
Across



STUDENTS CORNER



The Future of AI: Innovation Beyond Imagination

Artificial Intelligence is transforming the way we learn, work, communicate, and interact with the world around us. From intelligent virtual assistants and self-driving vehicles to medical diagnosis and smart automation, AI is opening doors to possibilities that once seemed like science fiction. It is not just about creating machines that perform tasks; it is about developing systems that can learn, analyze

information, recognize patterns, and assist humans in making better decisions. As students of Artificial Intelligence and Machine Learning, we have an exciting opportunity to be part of this technological revolution. By exploring new concepts, experimenting with algorithms, and developing innovative projects, we can turn our curiosity into practical solutions. Every challenge we encounter helps us improve our problem-solving abilities, strengthen our technical knowledge, and discover new ways of thinking.

However, the true potential of AI lies not only in its intelligence but also in how responsibly we use it. Technology should be developed with creativity, ethics, and a vision of making life better for everyone. As future engineers, our responsibility is to build intelligent solutions that address real-world problems and contribute positively to society.



— BY SAKSHI SAMANT
F.Y.-AI/ML



Learning, Creating, and Innovating with AI & ML

Every great innovation begins with curiosity, and every meaningful discovery begins with a willingness to learn. In the field of Artificial Intelligence and Machine Learning, learning goes beyond textbooks and theory. It involves experimenting with data, understanding algorithms, writing code, analyzing results, and continuously improving our approach. Each experiment, whether successful or not, teaches us something valuable and brings us closer to finding better solutions. Machine Learning enables computers to identify patterns, learn from data, and make predictions that can support decision-making in various fields.

From personalized learning systems and intelligent recommendation engines to agriculture, healthcare, and environmental monitoring, its applications demonstrate how technology can address real-world challenges. For students, these possibilities offer an opportunity to transform classroom knowledge into practical innovation. The journey of becoming a skilled AI & ML engineer requires patience, consistency, teamwork, and a willingness to embrace failure as part of the learning process. Building projects, participating in technical competitions, collaborating with peers, and exploring emerging tools can help us develop both technical expertise and creative confidence. Equally important is understanding the ethical use of technology, protecting data privacy, and ensuring that intelligent systems are fair and beneficial to society.



— BY AASHAY BHARATI
F.Y.-AI/ML

EDUCATOR'S INSIGHT

BEYOND THE CODE: THE NEXT ERA OF TECHNOLOGY

Technology is advancing beyond traditional computing, opening new frontiers where intelligent machines, connected devices, and human ingenuity work together. From generative AI creating content to autonomous systems making real-time decisions, we are witnessing a transformation that is redefining the boundaries of what technology can achieve.

One of the most exciting developments is the convergence of Artificial Intelligence with fields such as the Internet of Things, robotics, computer vision, and natural language processing. These technologies enable machines to interpret their surroundings, understand human communication, recognize complex patterns, and assist in solving challenges across diverse domains. Meanwhile, advancements in quantum computing and edge computing are creating new possibilities for faster processing, efficient computation, and more sophisticated technological applications.

As these innovations continue to emerge, the ability to understand technology critically becomes just as important as the ability to develop it. Questions surrounding algorithmic bias, digital security, responsible automation, and the ethical use of intelligent systems remind us that technological progress must be guided by thoughtful decisions and human values.



Mr.J.S.Matondkar
Lecturer

TECH TINKER'S CORNER

Building Skills for an Intelligent World



Mr. P.P. Pokhare
Lab Technician

In a world driven by rapid technological change, computer laboratories serve as gateways to hands-on exploration and technical proficiency. For students of Artificial Intelligence and Machine Learning, laboratory sessions provide valuable exposure to programming environments, development tools, datasets, and intelligent applications that form the foundation of modern computing.

Practical work encourages students to approach problems systematically, test different approaches, evaluate outcomes, and understand the importance of accuracy in computing. Activities such as implementing algorithms, handling datasets, configuring software libraries, and developing small-scale applications help bridge the gap between classroom concepts and industry practices.

A successful laboratory experience also depends on maintaining a disciplined and organized working environment. Proper handling of equipment, careful management of digital resources, adherence to laboratory procedures, and responsible use of technology are essential habits for every budding engineer. As a lab assistant, it is rewarding to witness students gradually become more confident in using technical tools and applying their knowledge independently.

FROM THE STUDENT MEMBER



Being part of Advaita as a student member of the Editorial Committee is an exciting opportunity to contribute to the very first newsletter of our Artificial Intelligence and Machine Learning (AI/ML) Department.

As a new department at YBIT, we are beginning a journey filled with curiosity, creativity, and endless possibilities, and it feels special to be a part of this beginning.

This inaugural edition brings together the ideas, activities, and aspirations that reflect the spirit of our growing AI/ML student community. Being involved in this newsletter has helped me understand the importance of teamwork, communication, creativity, and presenting ideas in a meaningful way. It has also given me an opportunity to see how a newsletter can bring people together and preserve the early milestones of a department. Artificial Intelligence and Machine Learning are fields that encourage us to think differently, explore new technologies, and develop solutions for real-world challenges. Through Advaita, students have an opportunity to share their knowledge, technical interests, innovative ideas, and learning experiences with others.

I encourage my fellow students to participate actively in future editions, share their ideas without hesitation, and make the most of the opportunities available to them. Let us build a culture of learning, collaboration, and innovation together and make Advaita a proud reflection of our department's growth and achievements.

Thank You,

Mr. Atharv Gawade
Student Member, Editorial Committee
Advaita – AI/ML Department Newsletter

FROM THE FACULTY MEMBER



It gives me immense pleasure to be a part of Advaita, the inaugural newsletter of the Artificial Intelligence and Machine Learning (AI/ML) Department. As this department begins its journey at YBIT, Advaita marks an exciting new chapter filled with opportunities.

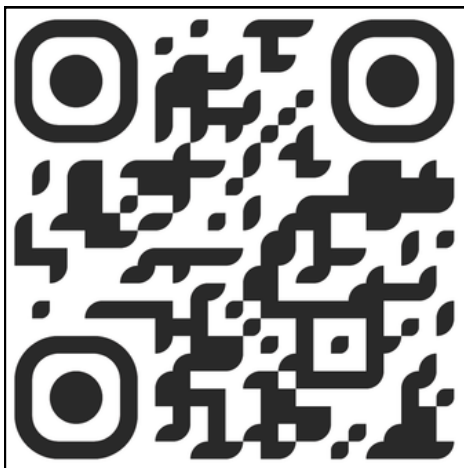
This first edition reflects the enthusiasm, curiosity, and aspirations of our students and faculty as we take our initial steps into the world of Artificial Intelligence and Machine Learning. Through these pages, we aim to capture the academic activities, technical initiatives, creative ideas, and learning experiences that are laying the foundation of our department. Every new beginning brings opportunities to discover, experiment, collaborate, and grow, and this newsletter serves as a glimpse into that journey.

I would like to express my sincere gratitude to our respected Principal, Vice Principal, and Head of the Department for their guidance, encouragement, and support in establishing this new academic initiative. I also appreciate the efforts of our faculty members, editorial team, and students who have contributed their time, ideas, and creativity to bring this inaugural edition to life.

As we welcome our first batch of AI/ML students into the YBIT family, I hope they embrace this exciting field with curiosity, confidence, and a willingness to learn beyond the classroom. May they explore new possibilities, develop meaningful solutions, and contribute to the ever-evolving world of technology.

Thank You,

With best wishes,
Mr. D. B. Masurkar
Faculty Member, Editorial Committee



SCAN HERE TO TAKE A QUIZ

ARE YOU AI-READY? TAKE THE QUIZ