

AIML QUEST

NEWSLETTER

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



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VISION, MISSION AND OBJECTIVES OF THE INSTITUTE

VISION

- To be one of the premier institutions of Engineering and Management education through excellence in academics, research, innovation and entrepreneurship with global standards.

MISSION

- To impart world class value-based education in Engineering and Management.
- To provide thrust for research activities by establishing centers of excellence in sustainable innovative technologies and collaborate with industries to carry out interdisciplinary research.
- To generate highly skilled and competent manpower with leadership qualities, team spirit and concern for society and environment.
- To nurture organizational culture conducive for faculty to be competent and set higher standards.

OBJECTIVES

- To achieve educational goals as stated in the vision through mission statements which depicts the distinctive characteristics of the institution.
- To make teaching-learning process an enjoyable pursuit for the students and teachers.

VISION, MISSION AND OBJECTIVES OF THE DEPARTMENT

VISION

- To be a center of excellence in Artificial Intelligence & Machine Learning through quality education, research, innovation and entrepreneurship.

MISSION

- To generate highly skilled and competent man power in Artificial Intelligence and Machine Learning through quality education with societal concerns and ethical standards.
- To inculcate leadership skills in students to be successful entrepreneurs or lead diverse teams to solve real world problems
- To promote research and innovation in future technologies through industry collaborations and Centers of Excellence.

PROGRAM EDUCATIONAL OBJECTIVES(PEO's)

AFTER 2/3 YEAR OF GRADUATION, THE STUDENTS WILL HAVE THE ABILITY TO:

- The ability to adapt to the ever changing technologies through lifelong learning.
- Strong understanding of ethical practices and societal impact of AI and ML technologies.
- Leadership qualities and communication skills to lead professional teams and manage entrepreneurial journey.

DEDICATED TO.....



Geoffrey Hinton (Born 6 December 1947) is a world-renowned computer scientist and psychologist, widely hailed as the "Godfather of Deep Learning." His pioneering research on neural networks and the backpropagation algorithm provided the foundational architecture for the modern AI era. In a historic milestone, he was awarded the 2024 Nobel Prize in Physics for his work on artificial neural networks that allow machines to learn. Previously, he received the A.M. Turing Award in 2018, often called the "Nobel Prize of Computing." Beyond his technical genius at the University of Toronto and Google, Dr. Hinton has become a critical voice in AI ethics and safety, urging the global community to balance rapid innovation with responsible development. His legacy serves as the bedrock of every curriculum in Artificial Intelligence and Machine Learning today.

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Editor's Desk.....

Dear readers, we welcome you to the QUEST of AIML

We are pleased to welcome you to the latest edition of our AIML Department Newsletter. Artificial Intelligence and Machine Learning continue to redefine the boundaries of innovation, reshaping industries and inspiring a new wave of creativity and technological advancement. In this issue, we bring you a rich blend of insights, achievements, and updates from our department. From cutting-edge research breakthroughs to engaging events, we aim to celebrate the talent, passion, and hard work of our faculty and students.

We also dive into thought-provoking discussions on the Multimodal AI for Healthcare, Is It Possible for Machines to Be Creative? Generative AI's Ascent, Large Language Models (LLMs), AI moves from Hype to Reality. In addition, don't miss our 'AI Puzzles' and 'Guess the AI' columns, designed to spark curiosity and challenge your mind! The Editorial Board would like to thank all contributors. We would like to express our deepest gratitude to our Management for showing the keen interest, guidance and active support. We look forward to receiving constructive suggestions from readers to improve the Newsletter content.

Happy Reading...!!

Department Overview

The Department of Artificial Intelligence & Machine Learning (AIML) is approved by AICTE-VTU from the academic year 2020-21. We have started our exciting journey in the year 2020 where the department offers an undergraduate B.E. program with an intake of 120 students.

The Department boasts of well qualified teaching faculty with rich research, teaching and industrial experience and is committed to impart rigorous training to students to generate knowledge through the state-of-the-art concepts and technologies in AIML, and transform the Department as a leader in imparting AIML education and research.

The Department practices an Outcome-Based Education (OBE) right from the inception, has an adequate infrastructure with state-of-the-art laboratories and other supporting facilities to provide enhanced learning environment. It has an adequate infrastructure with state-of-the-art laboratories, with the centre of excellence in AR-VR & Cyber Security with industry collaboration provide enhanced learning environment. The Department attracts the best of engineering aspirants from all over the country.

Industry 4.0 demands smart systems integrated with intelligence to have better human-machine interface. To cope with emerging industrial demands, it is expected to bring translational skills among the students of the Artificial Intelligence and Machine Learning undergraduate programme to meet the industry's expectations.

Technical Articles

MED-PALM 2: MULTIMODAL AI FOR HEALTHCARE

1.Introduction

Med-PaLM 2 is Google's medical adaptation of PaLM 2, designed for question answering and multimodal reasoning over clinical text and images. It fuses modality-specific encoders into a shared representation for autoregressive generation according to clinical requirements. It achieves 86.5% accuracy on MedQA and strong results on

MedMCQA, PubMedQA, and MMLU clinical topics. Clinical decision-making is multimodal and based on conversations with the patients. Doctors combine notes, patient histories, guidelines, and imaging for the final diagnosis. Med-PaLM 2 supports this with fact-checked reasoning, and as an aide in decision making.

2. Technical Architecture

To train the model, Google worked with clinicians across US, UK and India and using this panel of clinicians and their judgements to evaluate whether these models were performing better across a set of human values. Med-PaLM 2 uses separate encoders: Transformer-based for text and vision encoders (CNN/ViT) for X-rays/CTs. Both map inputs to a shared embedding space where related text and image regions align (e.g., "left lower lobe opacity" with chest radiograph area). Cross-modal attention routes information between modalities. An autoregressive decoder generates answers token by token, using the fused text-image representation and the context from dialogue. This generation supports reasoning so the model can give its final suggestions in an interpretable and logical way.

3. Applications and Societal Impact

Unlike single-modal prior systems limited to smaller tasks, Med-PaLM 2 integrates notes and images with natural language explanations for better reasoning and interpretability. It enables real-time support: upload X-ray, add symptoms, query differentials or management. Trained on 100+ languages, it helps diverse regions. Multimodality matches clinical reality where text and images are combined.

4. Limitations and Challenges

While it does perform well on benchmarks, the results are from controlled settings and hospital deployment is limited. Trust issues are associated with these models e.g. hallucinations, outdated knowledge, inability to identify rare conditions, model's source of information, their methods of reasoning, and their limitations. Misuse risks brings up questions about how secure the model is about our medical record, our personal details and our preferences. Gaps exist in ensuring that the models are not biased or influenced by external factors like advertisements, sponsors or political agendas.

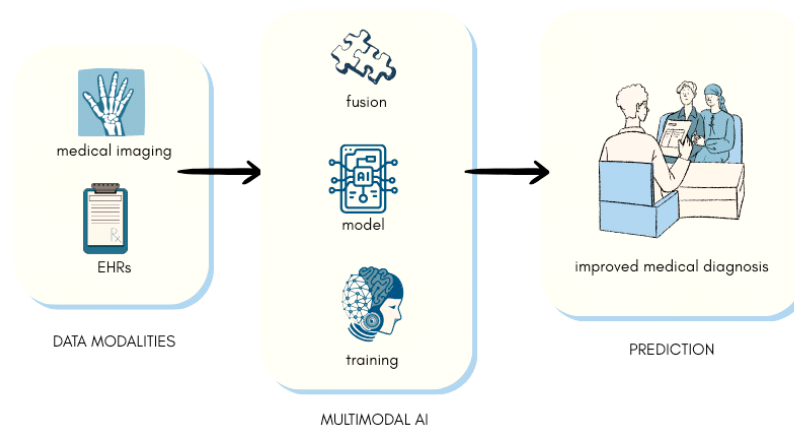


Figure 1. Overview of multimodal Medical AI workflow: Medical images and EHRs fed into a shared model for an integrated and interpretable diagnosis prediction

5. Conclusion

The multimodal design makes it effective for healthcare usage because in real time, clinicians rarely ever arrive at a conclusion based on texts or images alone, they usually combine both. By combining both, this model is able to yield higher performance than the rest. It represents a future of integration of AI in healthcare and effectively providing support and reasoning for judgement rather than a replacement which fits the purpose of AI as support rather than a replacement.

REFERENCE

- [1] Anil, R. et al. (2023). "PaLM 2 Technical Report." Google AI.
- [2] Google Research Blog. "Multimodal Medical AI. <https://research.google/blog/multimodal-medical-ai/>
- [3] Singhal, K. et al. (2023). "Towards Expert-Level Medical Question Answering with Large Language Models." arXiv:2305.09617.

-Ahana M(1BG23AI005), 5th Semester

IS IT POSSIBLE FOR MACHINES TO BE CREATIVE? GENERATIVE AI'S ASCENT

Let's say it is two in the morning. You have a deadline coming up and are staring at a blank screen. You enter the prompt "Write a short poem about exam stress" into an AI tool at random. In a matter of seconds, a clever, relatable, and almost consoling verse emerges. You hesitate. Was something significant just produced by a machine? The essence of generative artificial intelligence, a quickly developing field that is transforming our understanding of creativity, is encapsulated in this moment. Generative AI can create new content, such as stories, images, music, code, and designs, that frequently resembles human-made work, in contrast to traditional AI systems that are intended to analyse or classify data.

How Do Machines 'Create'?

Your tasks include the description of AI functionality systems like this. AI models focus their training on broad data sets and comprehend various patterns related to language, images, and sounds. AI determines probable responses and internally learned structures rather than recalling pre-stored responses. AI models can create 'new' responses that may inspire human-like rather than purely mathematical outputs. Imitation, Done Cleverly? There is a more profound concern to be addressed here.

Creativity or Clever Imitation?

What does one need to be for a particular act to be termed creative? For a human, bringing an act to life is purely an act of creation. In the process, there exist the feelings of intention, emotions, and lived experiences. AI systems, on the other hand, do not possess consciousness, feelings of joy failed/successful attempts, frustrations, or even a hands on a nervous feel of a presentation. AI systems also do not feel proud of their paintings.

However, if we view creativity as acting and building something that is novel and valuable, then generative AI fits that description. It brings into question the definition of creativity being human. Where It's Already Making an Impact Generative AI is no longer an experiment, it's everywhere:

- Education: Helping students brainstorm, explain concepts, and explore ideas
- Art & Design: Assisting artists with visuals, music, and animation
- Software Development: Writing code, fixing bugs, and improving productivity

- Media & Marketing: Creating content quickly

Can Machines Be Creative?

Instead of considering human creators to be replaced, AI can be seen as a creative collaborator by augmenting concepts and reducing the friction to express them. Boundaries, Perils, and Accountancy Admittedly, even AI will have to deal with originality, authorship, bias, misinformation, and over-automation. A machine can produce content, but it is still up to people to responsibly make use of, and to ethically discern what is done with, the content.

-Nihar N (1BG23AI061), 5th Semester

LLMs

What if a computer could teach, translate languages, code, explain complex concepts, and engage in intelligent conversations? This is now possible due to the Large Language Models (LLMs). The heart of the current AI revolution is the LLMs, which are currently changing the way humans interact with technology. The advanced AI systems referred to as large language models have the ability to understand, process, and reason using human language. They are able to perform different tasks that involve human language without being programmed for each task since they were developed through the use of deep learning techniques and trained on a vast amount of data.

A Brief Evolution

The first models were created using a handwritten set of rigorous and limited grammatical rules. Subsequently, statistical models were created, which were grounded in probability principles but struggled to comprehend context and in-depth information. The development of neural networks and, later, the Transformer model, which enabled models to comprehend the relationships between words and analyze a sentence at once, was the breakthrough. As a result, massive models with billions of parameters were developed, which led to the development of the modern LLMs.

What Makes LLMs so Powerful?

All of this is based on the idea that LLMs learn language patterns and the relationships between ideas by reading books, articles, websites, and other written materials. When you ask a question or give a prompt, the model can predict what a useful answer might include based on all it has learned. This enables LLMs to offer solutions, gather data, create unique content, and simplify complex concepts. In a sense, language has become the interface between humans and machines.

Without our knowledge, LLMs already have a big influence on how we live our daily lives. In the field of education, they support educators, produce educational resources, and provide explanations of a range of topics in order to promote learning. They help programmers write and understand technology and software code more rapidly. Companies utilize them to answer customer inquiries, generate reports, and scan documents. Even voice assistants, chatbots, and search engines use language models to generate more intelligent and natural-sounding responses. Basic conversations can now accomplish tasks that once required technical knowledge.

Shaping Minds Behind Intelligent Machines

Learning about LLMs is the key to the future of intelligent systems for students pursuing AI and machine learning. LLMs are more than just a learning exercise for students pursuing Artificial Intelligence and Machine Learning.

LLMs integrate concepts from data science, machine learning, ethics, and human-computer interaction for students pursuing Artificial Intelligence and Machine Learning. However, the effects of LLMs are not limited to engineering because they affect education, creativity, communication, and decision-making. Large Language Models are a new paradigm of human-computer interaction, and they are more than just a technology trend. LLMs are shaping the



future and the present in many ways, ranging from the workplace to the classroom and creativity and problem-solving. The aim of LLMs is to make them more reliable, efficient, credible, and safe to coexist with humans, consume less power, and understand context better. Language models will continue to lead innovation as AI advances. This is an exciting time for the AIML community. The tools that the world will use in the future are the tools that we use today.

-Vishrutha N (1BG22AI120), 7th Semester

AI MOVES FROM HYPE TO REALITY

For many years, Artificial Intelligence (AI) was surrounded by excitement, expectations, and speculation. It was often portrayed as a futuristic technology that would radically transform the world overnight. Today, AI has moved beyond hype and entered a phase of real-world impact. AI is solving practical problems across industries, making it a reality rather than a promise.

From Experimentation to Real-World Deployment

Earlier AI systems were mostly experimental and required heavy computing resources with limited accuracy. Modern AI, powered by deep learning, big data, and advanced hardware, is now deployed in real environments. AI systems actively assist and automate decisions in healthcare, transportation, security, and business operations. Examples like: AI-powered medical diagnosis tools. Intelligent surveillance systems in public infrastructure.

Key Technologies Driving This Shift

Deep Learning Models: Improved accuracy in vision, speech, and language tasks

Edge AI: Real-time processing on devices like cameras and sensors

Cloud Computing: Scalable infrastructure for training and deploying AI models

Specialized Hardware: GPUs, TPUs, and AI accelerators for faster computation



The future of AI lies in practical, human-centric solutions rather than exaggerated claims. Technologies such as Physical AI, autonomous systems, and vision-language models will further bridge the gap between intelligence and real-world action. AI will continue to evolve as a supportive tool that enhances human capabilities rather than replacing them.

Artificial Intelligence has successfully transitioned from hype to reality by delivering measurable value across multiple domains. With real-world deployment, improved reliability and responsible use, AI is shaping a future where intelligent systems become an integral part of everyday life. The focus is no longer on what AI might do, but on what it is already achieving.

-Lakshmi G C (1BG22AI048), 7th Semester

Department Activities

TWO DAYS WORKSHOP ON “ROBOTICS AND AUTOMATION” UNDER THE BANNER OF INSTITUTION OF ENGINEERS (INDIA) STUDENT CHAPTER.

A Two-Day Hands-on Workshop on “**Robotics and Automation**” was conducted for 3rd semester students from 27th to 28th November 2025. The resource person for the workshop was Mr. Saurav Kumar, Founder and Robotics Specialist at Robomanthan Pvt. Ltd., Bengaluru. The workshop covered topics such as Introduction to Robotics and Embedded Systems. The training focused on robotics applications using Raspberry Pi boards, integrating concepts from computer science, electronics, and mechanical engineering. The Raspberry Pi was used as the central processing unit and control hub for building and programming robotic systems.



Expert Session By Mr. Saurav Kumar, Founder & Robotics Specialist, Robomanthan Pvt. Lt, Bengaluru

Riddle:



Guess the AI!

When Netflix or YouTube suggests a video you actually like, which "branch" of AI is doing the work?

- A) Robotics
- B) Recommendation Engines
- C) Computer Vision

B) Recommendation Engines.

TECHNICAL TALK ON 'UNLOCKING OPPORTUNITIES: INSIGHTS INTO HACKSERIES, GITHUB ENGAGEMENT AND STUDENT REWARDS'



Speaker Mr. Mohammad Mudassir interacting with students

A technical talk “Unlocking Opportunities: Insights into Hack Series, GitHub Engagement, and Student Rewards” was organized on 11th September 2025. The session was delivered by Mr. Mohammad Mudassir, Support Engineer at the Algorand Foundation, who highlighted opportunities in Algorand's annual hackathons. He shared valuable insights on GitHub engagement and participation strategies, and explained that winners receive cash prizes, mentorship, and support to launch their own ventures

INNOVATION & ENTREPRENEURSHIP OUTREACH PROGRAM IN SCHOOLS/COMMUNITY” ORGANIZED BY IEEE CIS BNMIT.

The Student Outreach Program organized by the IEEE Computational Intelligence Society (CIS) BNMIT Student Chapter on July 31st 2025, at BNMIT, Bengaluru, was an engaging and impactful initiative aimed at fostering technical awareness among young learners. The event brought together third-year engineering students and school students from BNM School, studying in Grades 6 to 12. As part of the program, third-year students showcased their academic projects and provided detailed demonstrations to the visiting students. They explained the working principles, underlying technologies, and real-world applications of their projects in a simplified and interactive manner. The session was highly engaging, with school students actively participating, asking insightful questions, and showing keen interest in the demonstrations.



6th semester Student Demonstrating project to School students

Riddle:



Guess the AI!

"Neural Networks" in AI are inspired by which part of the human body?

- A) The Heart
- B) The Lungs
- C) The Brain
- D) The Muscles

(C) The Brain

LINKEDIN AWARENESS & PROFILE BUILDING SESSION:



The IEEE Computational Intelligence Society (CIS) Student Chapter of BNMIT organized an insightful and interactive session on LinkedIn awareness and professional profile building on 11th October 2025. The session aimed to guide students in creating impactful digital identities and enhancing their professional presence online. The session was delivered by the Secretary of IEEE CIS BNMIT, who shared insights drawn from personal experience and professional exposure. The speaker emphasized the importance of building a strong LinkedIn profile, networking effectively, and maintaining a credible online presence in today's competitive professional environment.

INDUSTRY VISIT TO “BMRCL, WHITEFIELD METRO DEPOT”



Faculties with 5th semester A section students of AIML *Faculties with 5th semester B section students of AIML*

An Industry visit to **BMRCL, Whitefield Metro Depot, Bengaluru**, was organized under the banner CSI and IEEE-CIS on 14th and 15th July 2025 for students of the 5th semester 'A' and 'B' section respectively. The visit included a guided walkthrough of a static, non-operational metro train, offering insights into its interiors, control mechanisms, and safety systems. The visit enhanced students' understanding of the engineering and design principles underlying metro operations and effectively bridged theoretical learning with real-world applications in intelligent transportation systems.

EXPOSURE VISIT TO “BENGALURU TECH SUMMIT (BTS) 2025”

A technical visit to the 28th edition of the **Bengaluru Tech Summit (BTS) 2025** was organized under the banner of the IEEE BNMIT Student Branch on 20th November 2025 at the **Bangalore International Exhibition Centre (BIEC)**. Students of the 3rd semester 'A' and 'B' sections participated in the event with enthusiasm. The visit experienced knowledge-enriching and provided valuable insights into the summit's theme, “**FutuRIse.**” The theme emphasized shaping the unknown, scaling the unimaginable, and shifting the world forward, with a strong focus on deep technology, artificial intelligence, semiconductors, and sustainability.



Faculties with 3rd semester A section students of AIML *Faculties with 3rd semester B section students of AIML*

Research

Publication

- **Dr. Sheba Selvam**, published a paper “TimeCraft: Bridging Communities through an AI-Driven Time Banking Platform for Smarter Skill Exchange and Service Sharing” in the 2nd International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS) held on 11th–12th July 2025, and the paper is indexed in IEEE (Scopus).
- **Dr. Nagarathna C. R. and Dr. Tejaswini R. Murgod** published a paper “Transforming Classrooms with Adaptive Content: From One-Size-Fits-All to Personalized Mastery” in the 2025 Control Instrumentation System Conference (CISCON) held on 01st–02nd August 2025.
- **Dr. Mahanthesha U** published a paper “Smarter Help and Seamless Experience of Automated User Responsive Assistant (AURA) Robot using NLP” in Tuijin Jishu/Journal of Propulsion Technology 2025.
- **Dr. Sunitha R, Pankaja R, Pavithra H C, Abhilasha P Kumar** published a paper “AI-Powered Product Image Optimization” at the Second IEEE International Conference on “New Frontiers in Communication, Automation, Management and Security” organized by SoCSE & IS, Presidency University, Bengaluru, held on 11th & 12th July 2025.

Patent

- **Dr. Sheba Selvam** is granted a **patent** for the topic “Artificial Intelligence Based Invasive Spinal Decompression Device for Spinal Cord Injury.” The patent was officially registered by the Government of India on 27th August 2025.

Faculty Achievements

- **Divya M S and Kruthi P** participated in the 3-Day Flagship Faculty Development Program Organized by pwc from 9th-11th July 2025.
- **Dr. Mahanthesha U** served as a Resource Person in the webinar series on the theme “Recent Trends in Robotics and Embedded Systems” held on 21st August 2025.
- **Dr. Sunitha R** was the Keynote Speaker and delivered an address on “The Impacts of Artificial Intelligence on Cyber Security and Blockchain” at Confluence 2025 held at GM University on 6th November 2025.
- **Dr. Sunitha R** was a resource person for delivering guest lecture on “Wireshark: A Powerful Network Protocol Analyzer” at Dayananda Sagar College of Engineering on 4th August 2025.
- **Dr. Vani K A**, Associate Professor, Dept. of AIML, BNMIT was a resource person for delivering guest lecture on “Intellectual Property Rights: Protecting Creativity & Innovation” organized by the department

of computer science and Engineering, CITY Engineering College on 12th November 2025.

- **Dr. Sunitha R**, Associate Professor, Department of AIML, BNMIT as a reviewer for IEEE International Conference on Communication, Computer, and Information Technology (IC3IT-2025) organized at Mysuru Royal Institute of Technology, Mandya, India on 24th and 25th October 2025 in association with IEEE Mysore Subsection and IEEE Bangalore Section.
- **Dr. Vani K A**, Associate Professor, Dept. of AIML, BNMIT, contributed as a member of the reviewer committee in the review for the 5th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME 2025) October 2025.
- **Dr. Vani K A**, Associate Professor, Dept. of AIML, BNMIT, contributed as a member of the reviewer committee in the review for the International Conference on Artificial Intelligence, Computer, Data Sciences and Applications on November 2025.
- **Pavithra H C**, Associate Professor, Department of AIML, BNMIT as a reviewer for IEEE International Conference on Communication, Computer, and Information Technology (IC3IT-2025) organized at Mysuru Royal Institute of Technology, Mandya, India on 24th and 25th October 2025 in association with IEEE Mysore Subsection and IEEE Bangalore Section.
- **Dr. Nagarathna C R** successfully completed NPTEL course on Introduction to Large Language Models(LLMs) during October 2025.
- **Kruthi P** successfully completed NPTEL course on Introduction to Machine Learning during October 2025.
- **Kruthi P** successfully completed NPTEL course on Machine Learning and Deep Learning -Fundamentals and Applications during October 2025.

Student Achievements



- **M. Saavarni, Gopal Krishna Aithal T J, and Amoghdatra** of 5th semester secured the **First Place** under the theme “Climate Change Analysis and Mitigation” in the MindScape Hackathon organized in association with IBM SkillsBuild and 1M1B, held on 25th and 26th July 2025.

- **Chaithanya M(1BG23AI020), Neha T (1BG23AI062), Bhuvana J(1BG23AI018)** of 5th semester secured the **First Place** under the theme “Educational Technology and Personalized Learning” in the MindScape Hackathon organized in association with IBM SkillsBuild and 1M1B, held on 25th and 26th July 2025.





- **Nischala G. S. (1BG22AI067), Vedanth Jain and Vibha** of 5th semester secured the **Second Place** under the theme “Climate Change Analysis and Mitigation” in the MindScape Hackathon organized in association with IBM Skills Build and 1M1B, held on 25th and 26th July 2025.

- **Harshith M, Sumukh and Dhanush** of 7th Semester secured the **First Place** under the theme “Mental Health Technology Support” in the MindScape Hackathon organized in association with IBM Skills Build and 1M1B, held on 25th and 26th July 2025.



- **T. Monish (1BG23AI111), Skanda D. S. (1BG23AI099), Pranav N. (1BG23AI074), Abhishek Ayachit (1BG23AI001), and Gagan S. (1BG23AI030)** of 5th semester participated in the IIT Bombay E-Cell Pitchathon organized at BNMIT on 22nd August 2025 secured the **First Place**.

- **Nischala G. S. (1BG22AI067), Vedanth Jain and Vibha** of 5th semester participated in the IIT Bombay E-Cell Pitchathon organized at BNMIT on 22nd August 2025 secured the **Second Place**.





- **Nischala G. S.** (1BG22AI067) of 5th semester AIML won the **First Prize** under the theme “Deep Tech and Engineering Excellence: Driving India's Techade”, held on 15th September 2025 at IEI Karnataka State Centre.

- **K. Preetham, Bhavanasi Neha, Nikita R., and Vivek Vardhan** 5th semester students participated in Hackverse 25 conducted at Manipal Institute of Technology in association with the MITB ACM Student Chapter held on 28th–29th August 2025 and received recognition for exceptional performance.



- **Vedant Jain (USN: 1BG23AI121) and Vibha Kashyap (USN: 1BG23AI122)** secured the **2nd Runner-Up** position with a cash reward of **₹1,00,000** in the NASSCOM 2025 Hackathon. The hackathon commenced in August 2025 and concluded in October 2025, comprising two online rounds followed by the final round held on 7th October 2025 at the NASSCOM Agentic AI Confluence, Sheraton Grand, Whitefield, Bengaluru. Their project titled “MedVault: Privacy Protection Pipeline for AI in Medical Applications” stood out among 6,000 teams across India, earning them the 2nd Runner-Up position.

- **Sampoornaa S Kashyap** secured **Runners-Up** with cash reward of ₹18,000 at MyMysuru2030 Ideathon 2025. The finals, held at Ibis Styles Mysuru, Presenting our prototype before them – and hearing “Chamundi Coders – Runners Up!” – was a surreal moment on 19th and 20th September 2025.



- **Chinmayee S, Kusuma Vishwanath Badiger, Inchara Vinay** 3rd semester students of AIML, BNMIT, Bengaluru for securing **First Place** with reward of cash prize ₹ 5000 in “HACKCELERATE – 24 hour Hackathon” held at GSSS Institute of Engineering and Technology for Women, Mysuru on 21st and 22nd November 2025.



- **Mansvi J, Krupa, and Honashree H S** from the 5th Semester were selected among 200 teams in the first two rounds of the National Level Women Hackathon on the theme "Interest-Based Learning." They participated in the final round held on 10th and 11th October 2025 at Malla Reddy Engineering College for Women.
- **Sneha Nair and Tanisha Shishir Yadapadithaya** 5th semester students successfully completed NPTEL course on Python for Data Science with Elite badge during (July-August) 2025
- **Vedant Jain and Vibha Kashyap** 5th semester students participated in the Tech Developer Confluence hosted by Nasscom on 8th August, 2025.
- **Vibha Kashyap** 5th semester student won third prize in the event national seminar under the theme “Deep Tech and Engineering excellence : Driving Indias Techade held on 15th of September, 2025 at The Institution of Engineers (India), Karnataka state centre, Bengaluru.
- **Tanisha S Y and Sneha Nair** 5th semester students expertised in solving **Digital Twin of Fuel Injection** system during the HALAEROTHON'25 jointly organized by HAL and PES University on 19th & 20th July 2025.
- **Nischala G S** 5th semester student successfully completed **coding and programming** course of SAMSUNG INNOVATION CAMPUS during Sep 2024- Nov 2024 and received certificate on September 2025.
- **Praveen Kumar** 5th semester student participated in the National Level Hackathon conducted at Dr. AIT, Bangalore.
- **Shashank M S, Shreyas Thodakar S, Krishna, and Sai Sumukh K S** 5th semester students participated in SDGFORGE (Hackathon) conducted as part of the Intercollegiate Fest CUEST 2.0 at Atria Institute of Technology on 13th–14th August 2025.

Riddle:



Guess the AI!

Which AI-powered tool is famous for helping people write emails, essays, and code?

- Photoshop
- Excel
- ChatGPT
- Spotify

C) ChatGPT

- **T. Monish, Skanda D. S., Pranav N., Abhishek Ayachit, and Gagan S.** 5th semester students representing Team Data Drillers, participated in the IIT Bombay E-Cell Pitchathon organized by the Entrepreneurship Cell of IIT Bombay and conducted at BNMIT on 22nd August 2025, securing **First Place**.
- **P. Ananya** 5th semester student participated in the AoS Andromeda Global Hackathon organized by Upskill by Techzilla in association with HackerEarth held on 25th August 2025.
- **Vedanth Jain and Vibha** 5th semester students participated in the event organized by the Institution of Engineers (India) – Karnataka State Centre on the theme “Deep Tech and Engineering Excellence: Driving India's Techade” held on 15th September 2025 and secured **Third Prize**.
- **Mansvi J, Krupa, and Honashree H. S.** 5th semester students participated in the National Level Women Hackaton under the theme “Interest-Based Learning” held at Malla Reddy Engineering College for Women on 10th–11th October 2025 and were selected among the top 200 teams, reaching the final round.
- **Jessica Jane Richard** III semester participated in “Imperishable Wizards” under Phase Shift 2025 held at BMS College of Engineering on 6th December 2025.
- **Anagha Shri S**, a III semester student, participated in the event “Lights Out” organized under Phase Shift 2025 at BMS College of Engineering on 19th and 20th September 2025.
- **Prachi A. M.**, a III semester student, participated in the event “Operation: Circuit Cipher” organized under Phase Shift 2025 at BMS College of Engineering on 19th and 20th September 2025.
- **Chinmayee S, Inchara Vinay, and Kusuma Vishwanath Badiger** III semester participated in HACKCELERATE – 24 Hour Hackathon held at GSSS Institute of Engineering and Technology for Women on 22nd November 2025 and secured First Place.
- **Madhugna Yelchuri**, a III semester student, participated in the event “CodeSphere: A 24-Hour Global Level Codeathon” organized under Phase Shift 2025 at BMS College of Engineering on 18th and 19th September 2025.
- **Sai Samarth M. R. and Sankeerth M** 3rd semester participated in HackBites 3.0, a 24-hour hackathon held at Global Academy of Technology on 2nd–3rd December 2025.
- **Vachan Padival**, a III semester student, participated in ELECTROTHON – a National Level Hardware Hackathon organized by the IEEE Power & Energy Society and conducted at BNMIT on 29th August 2025.
- **Kaustubh Rao Kandula**, a III semester student, participated in Techarcade conducted as part of the International Level Annual Technical Symposium, Phase Shift 2025, at BMS College of Engineering on 19th and 20th September 2025 and was awarded **Runner-Up**.
- **Kaustubh Rao Kandula**, a III semester student, participated in the event “Imperishable Wizards” conducted under the 10th International Level Annual Technical Symposium, Phase Shift 2024, at BMS College of Engineering on 5th and 6th December 2025 and was awarded **First Place**.
- **Jeet Bagdai and Chiranth Y**, a III semester students participated in “Hackaphasia” conducted during Phase Shift 2025 at BMS College of Engineering.
- **Prakya Kuncham, Madhugna Yelchuri, Charishma P. D., and Pallavi P. Kundapur** III semester participated in “CodeSphere: A 24-Hour Global Level Codeathon” conducted during Phase Shift 2025 at BMS College of Engineering.

- Highest package placement: **Mustkim Khan**[1BG22AI063] 7th semester secured a placement at Aisan Industry Co., Ltd., Obu City, Aichi, Japan, with a CTC of Rs. 43.8 lakhs per annum (7,335,382 Japanese Yen)



Mustkim Khan with Placement officer Dr. Saritha Chakrasali and recruitment team.

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- **Prof. Shravya Gowda**, Assistant Professor
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- **Dr. Payal Mukherjee**, Assistant Professor
Dept. of of Humanities

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