DEPARTMENT OF CSE(AIML)

GSSS GEETHA SHISHU SHIKSHANA SANGHA(R)

INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

NBA NATIONAL BOARD OF ACCREDITATION ACCREDITED UG BRANCHES ECE, CSE & ISE: 01-07-2023 to 30-06-2026 EEE: 01-07-2024 to 30-06-2027

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KRS Road, Metagalli, Mysuru - 570016

AIML BYTES

NEWS LETTER ODD SEMESTER 2025

JULY 2025 - JANUARY 2026

GDGoC GSSSIETW

Google Developer Group

On Campus GSSS Institute of Engineering and Technology for Women

AIML BYTES 2.0

CSE(AI&ML) News Letter

ODD Semester 2025

July 2025 - January 2026

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Students & Faculty

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MESSAGE FROM THE HOD

It gives me immense pleasure to share a few words as we continue our collective journey of academic excellence and innovation in the Department of Computer Science & Engineering (AI & ML) through this new edition of our news letter, "AIML BYTES 2.0," for the Odd Sem 2025, covering the period from July 2025 to January 2026.

CSE (AI & ML) is built by students, for students, and to serve students, and is guided, mentored, and empowered by a dedicated and committed team of faculty. We strongly believe that true learning goes beyond marks and textbooks—it is achieved through hands-on practice, problem-solving, collaboration, and meaningful real-world application.

CSE (AI & ML) vision is to nurture confident, ethical, and highly skilled technologists who learn by doing, build technology for societal good, and transform knowledge into impactful real-world solutions. We strive to create an ecosystem where students grow not only as engineers but also as responsible innovators and leaders of tomorrow.

Dr. Manjuprasad B
HOD, CSE (AI & ML)
GSSSIETW

Future Direction

Compete ● Build ● Deploy ● Evolve

- Build a Core foundational Skills in CS & AI
- To achieve global recognition by showcasing technical excellence in CS & AI through global platforms such as Kaggle, Hugging Face, and Google.
- Deploy real-world AI systems such as face recognition and smart attendance
- Strengthen the research ecosystem through Scopus / SCI publications

I encourage students to approach learning with curiosity, carry out assignments and learning for skill enhancement rather than marks or meeting academic requirements.

Together, we strive to build a department defined by excellence, impact, and continuous evolution, under the guidance, support, and encouragement of GSSS(R) and the Principal, GSSSIETW.

With best wishes,

DEPARTMENT STATEMENTS

VISION

Provide quality education and training to equip students with the skills and knowledge required to excel in Computer Science, AI and ML related careers.

MISSION

- To Encourage faculty and students to engage in continuous learning to keep pace with the rapidly evolving landscape of Computer Science, AI and ML.
- To Promote the development and use of Computer Science, AI and ML technologies that adhere to ethical principles, ensuring fairness, transparency, accountability, and privacy in AI systems.
- To Develop Computer Science, AI and ML technologies and tools that can be applied to solve real-world problems in various domains, including healthcare, finance, and transportation
- To foster collaboration across various disciplines, breaking down silos to create a holistic approach to solving complex problems with Computer Science, AI and ML.

Program Educational Objectives (PEO)

- To have successful careers in Computer Science, AI and ML-related fields by becoming an expert in the various domain
- To exhibit a deep understanding of ethical considerations in Computer Science, AI and ML, ensuring that they develop and apply these technologies in a responsible and socially conscious manner.
- To engage in lifelong learning and professional development, staying up to date with the latest advancements in Computer Science, AI and ML and continuously enhancing their skills.
- To actively contribute to society by leveraging Computer Science, AI and ML for the benefit of humanity, whether through improving healthcare outcomes, addressing environmental challenges, or enhancing

ABOUT CSE(AI&ML)

Program Name	B.E in CSE(AI&ML)
Year of Start	2021
Department Forum	AI Verse
Department News Letter	AIML Bytes
Students Open Platform	Bytes & Beyond A Tech Talk series
Club Initiated by Students	Google Cloud for AI&ML
Spotlighting Departmental Achievements	BYTES Award Boosting Young Talent's to Endeavours Success
Department Dashboard	SAINA Statistical Artificial Intelligence Notice Board Automation
Department Digital Platform	GENESIS For Accessing Course Materials, Reference Reports, Uploading All Achievements and many more

UNIVERSITY RANK HOLDERS

CSE(AI&ML) FIRST BATCH RANK HOLDERS

- **Placed in MIQ Digital as Data Analyst, 13LPA**
- Intern at MIQ Digital, 8th Sem
- Intern at Boeing INDIA, 6th Sem
- Initiated and Led 24 Hrs Hackathon at GSSSIETW
- Developed College Management Admission Portal
- Delivered many Technical Session to Juniors
- Coordinated Placement and Many Department Activities
- Participated in 08 Events and Competed 11+ MOOC

- **Placed in Elily & Co., 11 LPA**
- Intern at Elily & Co Digital, 8th Sem
- KSCST Project Awardee
- Developed Real-Time Application for Dept.
- Delivered many Technical Session to Juniors
- Coordinated Department Activities
- Participated in 03 Events and Competed 05+ MOOC

- **Placed in Thoughtworks, 11.1 LPA**
- Developed CO-PO Calculation Application for the Department during 8th sem Internship.
- Delivered many Technical Session to Juniors
- Coordinated Department Activities
- Participated in 05 Events and Competed 08+ MOOC

🎓 GRADUATION DAY 2025

13 September 2025

First Graduates of Department of CSE (AI&ML), GSSSIETW

The batch which brought remarkable academic distinction to the institute, and a strong learning ecosystem. **This outstanding achievement sets a strong foundation and establishes the department as a center of excellence in AI & ML**

🎓 02 Higher Studies | 🏅 03 University Ranks | 📜 05 Copyrights (IPR)

💻 05 Real-Time Apps | 🎁 10+ Google Swags | 👩‍🏫 25+ Tech Sessions to Juniors 👩‍💼 22 Internships with Stipend

💼 45 Placements

💰 ₹31.6 LPA Highest 💸 17 Students ≥ ₹10 LPA

☁️ 75+ Skill Badges| 200+ Event Participation | 📚 300+ MOOC

🌍GSSSIETW joins theGoogle Developer Group network for the first time.

SAMSUNG INNOVATION CAMPUS

ADVANCING INDUSTRY-ALIGNED TECHNICAL EDUCATION

Phase–I Training (Batch 1 & 2)

Training domains:

- Artificial Intelligence (AI)
- Coding & Programming (CP)

Student participation:

- 40 students from CSE (AI & ML) and AI & DS programs.

Training duration:

- 390 hours of AI
- 90 hours of Competitive Programming

Training period:

- February 2025 – December 2025

Delivery model:

- 80% sessions conducted by Samsung industry experts
- 20% sessions handled by trained faculty members

Special efforts:

- Sessions were conducted during non-working days to ensure completion of training targets.

Outcome:

- Both batches successfully completed the training as per planned curriculum.
- Capstone Projects

Interaction with Roopa Sheshadri Director, Advanced Multimedia | Visual Intelligence Team, SRI-B during **Project Expo at Agentic AI Summit, IISc, Bengaluru, 12-13 December 2025**

Mohan Rao Goli, MD, SRI-B during Project Expo at Agentic AI Summit, IISc, Bengaluru, 12-13 December 2025

INAUGURATION OF SIC AT GSSSIETW, MYSURU 12.02.2025

Phase–II Training

Training expansion: Program cascaded to all departments.

Training domains:

- Internet of Things (IoT)
- Coding & Programming (CP)

REAL-TIME PROJECT DEVELOPED BY STUDENTS AND STAFF

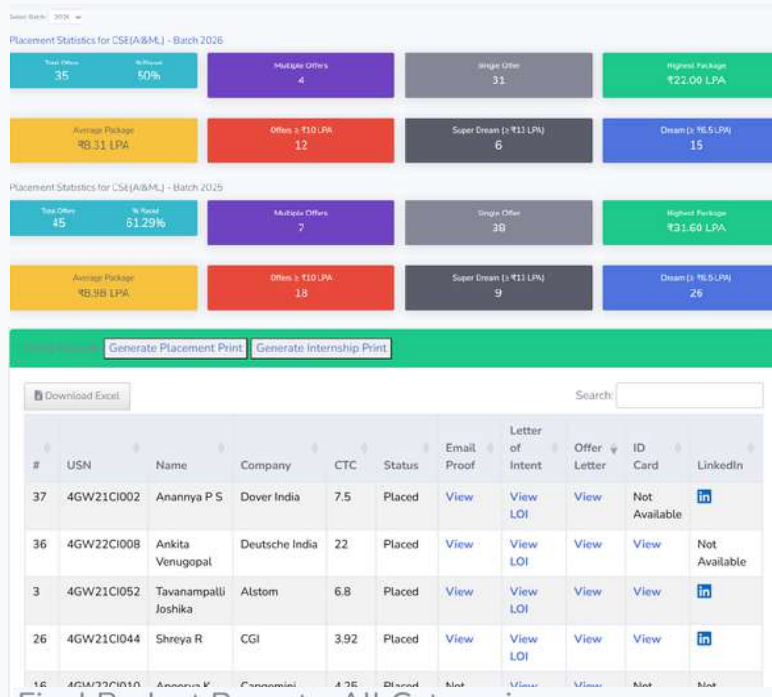
DRIVING DIGITAL TRANSFORMATION ACROSS THE CAMPUS

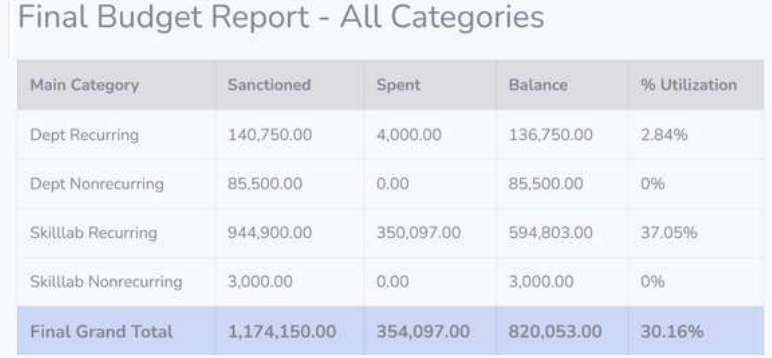
The Department proposes and develops real-time, scalable digital solutions that directly contribute to the academic, administrative, and governance needs of the institution.

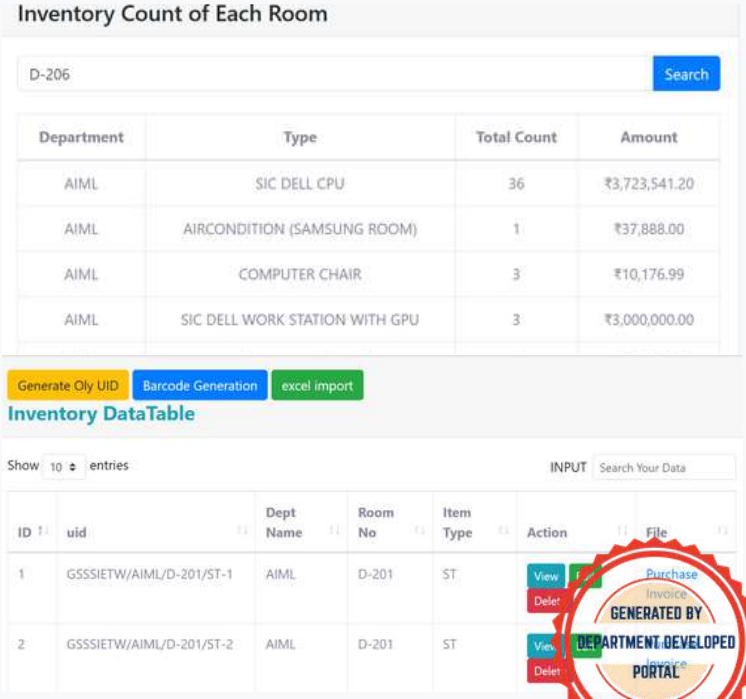
- **Placement Portal** – Centralized platform for managing student profiles, company drives, applications ,and placement analytics by Divya, Ruchitha, Sri Nidhi, Chandana KT

- **Department Budget Utilization Tracking** – Real-time monitoring of budget allocation, approvals, utilization, and expenditure reporting –Manvi C & Manya, 5th Sem

- **Student Result Analysis using Document AI** – AI-powered extraction and analysis of student performance data from scanned mark sheets and PDFs.





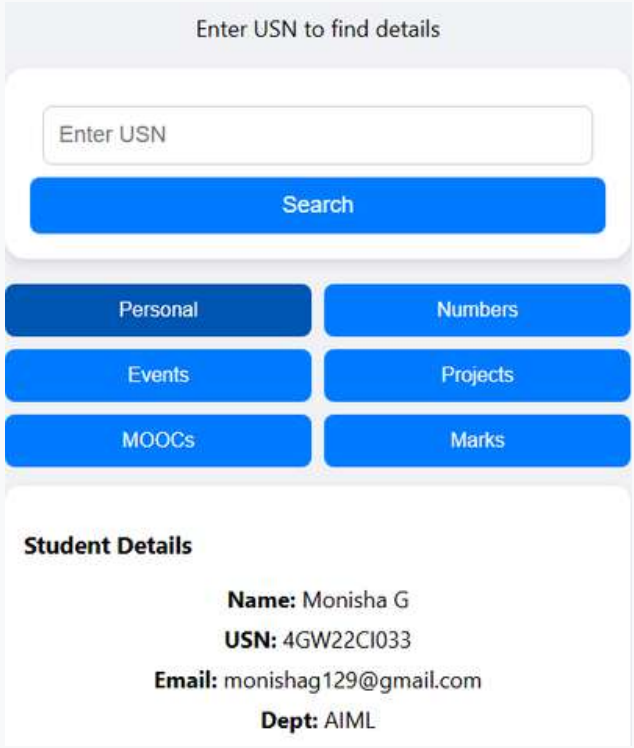


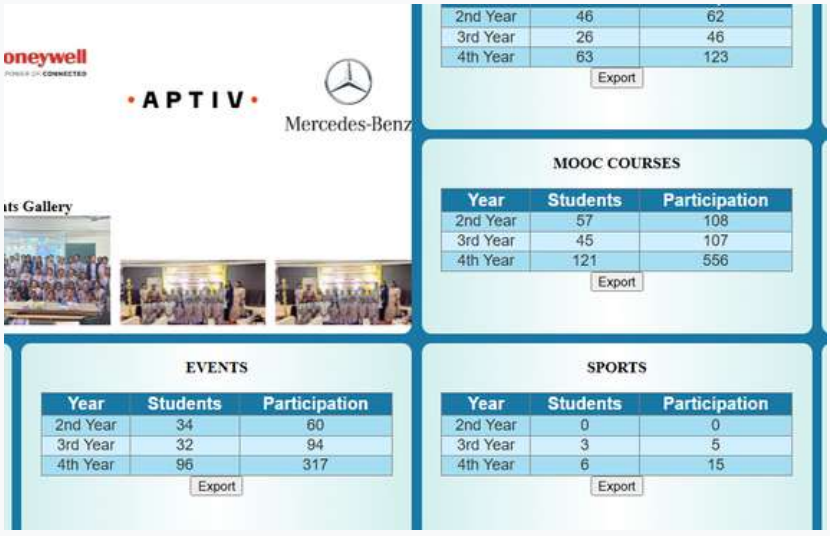
- GENESIS – Project & Department ERP – Integrated ERP for projects, academic activities, faculty roles, documentation, and approvals. – by Dr. Manjuprasad B

- Inventory Management System (Barcode-Based) – Digital tracking of departmental assets with barcode generation and real-time inventory status.

- Department Dashboard (Achievements & Statistics) – Interactive dashboard showcasing student achievements, faculty contributions, research output, events, certifications, and rankings.– by Dr. Manjuprasad B

- Attendance & Stakeholders Call Directory – Unified system for attendance tracking and secure communication among faculty, students, parents, and administration. – by Dr. Manjuprasad B





CSE(AI&ML) 2024 Batch Achievement

Particpation: 122|| MOOC: 108

N	NAME	Number of Event Uploaded	Number of MOOC C
CI001	Achala C	2	2
CI002	Ananya B M	8	2
CI003	Anjali Ajith	2	2
CI004	Aveline Joyce	2	3
CI005	B Tanmayi	7	1
CI006	Basavasiri H L	1	2
CI007	Bhavana M P	2	0
CI008	Bhoomika P	1	2

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24-HR WOMEN ONLY HACKATHON HACKELERATE-2025

IN ASSOCIATION WITH GOOGLE DEVELOPER GROUP(GDG)

21 & 22 NOVEMBER 2025

ABOUT THE EVENT:

Hackcelerate-2025 Hackcelerate 2025 was a 24-hour hackathon organized by GDG On Campus GSSS Institute of Engineering and Technology for Women (GSSSIETW), Mysuru, with the objective of empowering women in technology by providing a supportive, inclusive, and innovation driven environment. The event encouraged participants to collaborate, ideate, and develop solutions addressing real-world challenges with a focus on practical impact.

Highlights of Hackcelerate 2025

- Participation of 10 External Women-Only Teams, fostering a highly competitive and collaborative environment.
- Collaboration with Google Developer Group (GDG):Two expert judges from GDG and A special talk on Agentic AI by a GDG expert
- More challenging real-time problem statements curated for our Institute.
- Hackathon had - Automated ID Card Generation, Food Token
- Participating Colleges: BGSIT, REVA, BNMIT, PES, SJCE, VVCE, MRIT, MYCEM

INDUSTRY EXPERTS FROM GDG AND TCS AS A CHIEF GUEST AND JURY MEMBERS

Talk on Agentic AI by
Vinita Silaparasetty
Applied AI Research Consultant |
Google Developer Expert (ML) |

WINNERS OF HACKCELERATE 2025

Tier	Team Name	College Name	Prize	Problem Statements	Photo
1	The Glitch Clique	MYCEM, Mysore	I	Circular Management System	
1	3Bit Squad	GSSSIETW, Mysore	II	Student Refund Process Automation	
2	AlgoRangers	VVCE, Mysore	I	Student - Staff Database Management System with Chatbot Interface	
2	Wizz	GSSSIETW, Mysore	II	Student-Staff Data Management System with Chatbot Interface	
3	Trinova	BNMIT, Bengaluru	I	Student Attendance System Using Face Recognition	
3	Trifusion	GSSSIETW, Mysore	II	Document Summarizer Using AI/ML	

GENERATED BY DEPARTMENT DEVELOPED PORTAL

HACKATHON 2025 WAS MADE MORE EXCITING WITH EXCLUSIVE SWAGS SPONSORED BY V2 CAFÉ.

Ms. RACHANA D. KASHYAP
Alumnae, 1st Batch CSE (AI & ML)
VTU 1st Rank Holder
Data Analyst, MiQ

Sponsorship Acknowledgement

We sincerely thank Rachana for sponsoring 06 Smart Watches for the Hackathon, motivating students and supporting innovation through industry collaboration.

IEEE AGENTIC AI SUMMIT 2025

12 &13 DECEMBER 2025

Partnership Spotlight at
IEEE Agentic AI Summit 2025, IISc Bengaluru

As part of this collaboration, our students were demonstarted their Projects during the event and also part of many keynote and hands-on Agentic AI Sessions. And got opportunity to engage directly with researchers, industry experts, and innovators in the Agentic AI ecosystem.

18 Students & 02 Faculty participated in this IEEE Agnetic AI Summit

With Sri. Mohan Rao , Managing Director, Samsung R&D Institute India-Bangalore

With Roopa Sheshadri, Director, Advanced Multimedia, Samsung R&D Institute India-Bangalore

Students Project Demonstration & Interaction with Experts / Participants

GOOGLE DEVELOPER GROUP ON CAMPUS (GDGOC)

GDG on Campus GSSS Institute of Engineering and Technology for Women - Mysore, India is an independent group; our activities and the opinions expressed here should in no way be linked to Google, the corporation. To learn more about the GDG program, visit https://developers.google.com/community

Read more

Activities:

Jan 10, 2026
Conference with Bevy Virtual Conference
TechSprint MentorMeet
GDG on Campus GSSS Institute of Engineering and Technology for Women - Mysore, India

Dec 21, 2025
Speaker Session / Tech Talk
TechSprint Kickoff
GDG on Campus GSSS Institute of Engineering and Technology for Women - Mysore, India

Nov 21, 2025
Hackathon
HACKCELERATE 2025
GDG on Campus GSSS Institute of Engineering and Technology for Women - Mysore, India

Oct 12, 2025
Workshop / Study Group
A Session on Study Jams
GDG on Campus GSSS Institute of Engineering and Technology for Women - Mysore, India

GSSSIETW has been recognized as a Google Developer Group (GDG) on Campus for the second consecutive year

DIVYA S
GSSSIETW-GDSC
STUDENT LEAD

LIST OF EVENTS:

S.No	Event name	Speaker	Event date
1	**TechSprint Expo Finale**	Dr Manjuprasad B Divya S	24/01/2026
2	**TechSprint MentorMeet**	Dr Manjuprasad B Divya S	10/1/2026
3	**Tech-Sprint Kickoff**	Chandana Srinivas	23/12/2025
4	**Devfest**	Ms. Neha Bajaj, Mr Prabhakar Vijyapraksha	22/11/2025
5	**Hackcelerate-2025(Agentic AI TechTalk)**	Belal Khan, Vinita Silaparasetty	21/11/2025-22/11/2025
6	**A Session Study Jam**	Divya S, Sandhya Gangadhara Bhat	12.10.2025
7	**Kizuna**	Divya S	23/09/2025

Core Team:

A dedicated core team is the backbone of GDG On Campus - GSSSIETW. The team actively plans, manages, and executes technical events, workshops, and community-building activities. Their teamwork, leadership, and enthusiasm have been instrumental in establishing a strong and vibrant technical community within the Campus.With a shared vision of collaborative and accessible learning, the core team continuously works towards empowering students to explore emerging technologies and become part of the global developer network.

Core Team Members:

1. Sandhya Gangadhara Bhat- DevOps
2. Nithya T M- Robotics
3. Divyanshi Singh- Full Stack
4. Shreya N- AI/ML
5. Chandana Srinivas- AI/ML

TechSprint Expo Finale

The TechSprint Expo Finale marked the concluding stage of the TechSprint Hackathon organized by GDG On Campus, GSSS Institute of Engineering and Technology for Women (GSSSIETW). The event featured the Top 10 finalist teams, who presented their live working prototypes to the judging panel for final evaluation. This expo served as the ultimate platform for participants to showcase their innovation, validate their solutions, and compete for the top positions in the hackathon. The TechSprint Expo Finale was conducted as the concluding stage of the TechSprint Hackathon organized by GDG On Campus, GSSS Institute of Engineering and Technology for Women (GSSSIETW). This event featured the Top 10 finalist teams, who showcased their live working project prototypes directly to the judging panel.

The judges evaluated each team on various parameters including problem understanding, technical implementation, innovation, completeness, presentation, and feasibility. The Expo served as the platform for the finalists to present their final solutions and compete for the top positions. Attendance by all team members was mandatory, ensuring active participation and accountability.

The Expo represented the final evaluation round of the hackathon, giving participants the last opportunity to demonstrate their work, defend their ideas, and validate the impact of their solutions. Participation was limited exclusively to the Top 10 teams of the TechSprint Hackathon.

TechSprint MentorMeet

The TechSprint MentorMeet was a highly impactful and enriching session that provided participants with valuable mentorship and actionable insights. Through expert feedback and interactive discussions, teams were able to identify improvement areas and refine their projects for the final stage of the hackathon. The session successfully strengthened the quality of projects while fostering a culture of learning, collaboration, and innovation within the GDG community.

TechSprint Kickoff

TechSprint Kickoff was an official orientation and information session organized by GDG On Campus GSSS Institute of Engineering and Technology for Women (GSSSIETW), Mysuru, to formally launch the TechSprint Virtual Hackathon. The session was designed to provide participants with a clear understanding of the hackathon structure, objectives, and expectations before the commencement of development activities.

DEVFEST

DevFest is a globally recognized annual technology festival organized by Google Developer Groups (GDG) across the world to bring together developers, technologists, and innovators under one platform. It serves as a knowledge-sharing forum that focuses on the latest advancements in software development, emerging technologies, artificial intelligence, cloud computing, and digital transformation. As part of this global initiative, GSSS Institute of Engineering and Technology for Women (GSSSIETW), Mysuru, hosted DevFest 2025, which was officially recognized as the Pre-Summit Event of the AI Impact Summit 2026.

GOOGLE CLOUD STUDENT CLUB

IN ASSOCIATION WITH THE GOOGLE CLOUD FOR EDUCATION

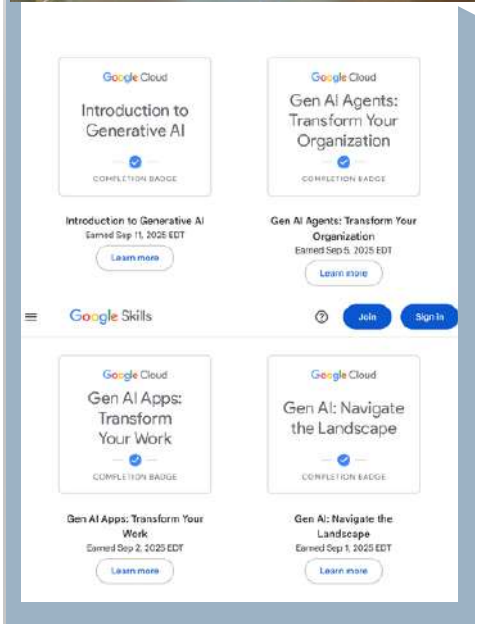
Empowering Future-Ready Technologists at GSSSIETW

Objectives of GCC Student Club

- Awareness Sessions on Google Cloud and its Products
- Training Students on Google Cloud Products – AI / ML / GEN AI
- Training Students to get Global Certification from Google Cloud
- Hands-on Session on various cloud Products on Google Cloud

Students Members: Divya S, GDG Lead, Shrunga Anand, Vismaya S,Shreya Nagraj, Pallavi M K, Greeshma J Gore - I Year

Learning Session	Speaker	Date
Fundamentals of Cloud Computing and its Evolution	Shreya Nagraj, I Sem	17.11.2025
Cloud Service models and Cloud Deployment Models	Greeshma J Gore, I Sem	17.11.2025
Introduction to GCP and Infrastructure Core GCP Services	Vismaya S, I Sem	18.11.2025
Data Management, Security and Compliance ML, AI & Analytics in GCP	Pallavi M K, I Sem	18.11.2025
DevOps, Containers and Kubernetes on GCP Arcade and Career Opportunities	Shrunga Anand, I Sem	18.11.2025



Google Cloud Career Launchpad — Expanding Digital Excellence

In parallel with GDG & GCC initiatives, GSSSIETW is actively advancing the Google Cloud Career Launchpad, enabling students across departments to gain industry-recognized skills.

First Batch — Gen AI Learning Path

A total of 38 out of 39 students from CSE (AI&ML) and AI-DS successfully completed the Google Gen AI Learning Path.

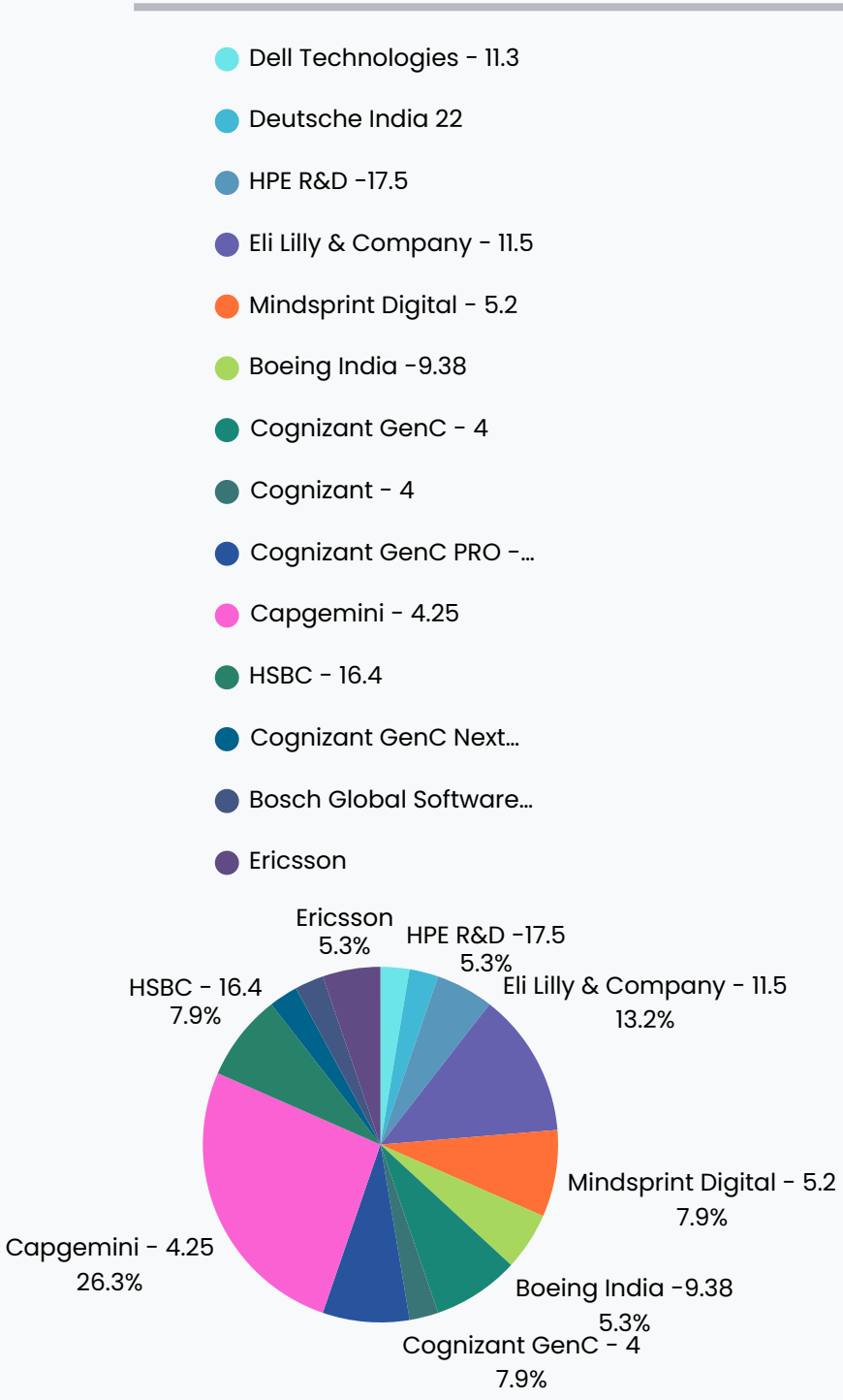
Second Batch — The second phase witnessed enthusiastic participation from CSE-allied branches, with 132 students enrolling in four advanced Google courses.

These initiatives reflect GSSSIETW's commitment to industry-aligned education, cross-disciplinary collaboration, and future-ready skill development, empowering students to thrive in the rapidly evolving technology landscape.

PLACEMENT

The distribution highlights placement progress achieved during the initial phase of the 2025-26 recruitment cycle*.

*Ongoing



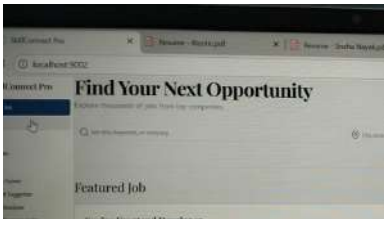
An in-house Placement Portal by our department, transforming placement data into fast and accurate insights.

GENERATED BY DEPARTMENT DEVELOPED PORTAL

FINAL YEAR PROJECTS 2026 & PROJECT EXPO

Students	Project	Achievements	Photo
Bhuvana B C, Krupa Ashok Pyati, Sneha V, Vamshi N G	AgroVigil: A GenAI-Powered Surveillance System for Safe Agrochemical Usage.	National Level Project Expo at Vidya Vikas on December 11th Mysore. Submitted Paper to BMSIT College. Applied For KSCST.	
Archana S, Sheethal S Gowda, Adithi H Kumar, Srividya Swaroop M P	AutoDeploy: Centralized Software Installation	Project Expo at VVIET	
Divya S, Nagashree N, Sandhya Gangadhara Bhat.	Exam Paper Evaluation	Presented at IEEE Agentic AI Summit in IISC Bengaluru 12/12/2025 & 13/12/2024. Project expo 2025 14/11/2025 at GSSSIETW.	
Chandana B L, Dimple Priya P M, Keerthana Y P, Shiny N	AI for women and child safety	Project expo at A Mega exhibition aspiring Mysore on December 20th Mysore . Presented at IEEE Agentic AI Summit in IISC Bengaluru 12/12/2025 & 13/12/2024.	

Ananya R Naik, Chethana K, Pallavi B L, Rohana G	Department Budget ChatBot FINA	Project Expo in ECE	
Anu, Chandana B, Shambhavi	Department RAG	Event Name : Aspiring AI organized by prayaas Events and Exhibition Date : 18th,19th,20th December 2025	
Amrutha S, Dhruthi Jain S M, Poorvikashree V, Shubhangi Singh	AI powered dress price comparison and recommendation app	Applied For KSCST. MRIT Udhbhav-2.0 project expo.	
Priyanka N Gowda, Vyshnavi Keerthi D, T R Deepika	Pedestrian Detection	Project Expo in ECE	
Aishwarya S M, Arwapalli Hiran Mai, Madhushree H, Nanditha C G	Multilingual ChatBot using translation and NLP	Project expo in ECE	
Chandana M Pallegar, G K Harshitha, Poojitha K D, Rakshitha B M	Natural Language Querrying of DuckDB using LLMs	Project expo in ECE	

Ankita Venugopal, Bhavani S A, Deeksha R Bhatt, Shibha	PLACEMATE:An AI Assistant for Placements	Project Expo at VVIET	
Anisha M, Bhoomika Raghavendra, Spoorthi A, Thanusha S	Forensic Analysis of RAM to detect hidden Malware	Project Expo at VVIET, Submitted Implemented paper in IEEE Conference	
Arpitha P, Jyothi lakshmi B S, Sonika P, Sinchana N	Student Categorization based on internal assessment performance	Applied For KSCST. Project Expo in VVIET.	
Sneha k, Shrenitha K, Thanishka S, Varshini S	Automated Exam Duty Notification System	Project Expo at VVIET	
Rakshitha C M, Nitya T M, Vaishnavi R S, Vinutha B M	ROBOX:Autonomous delivery system	Project expo at MSRIT. Applied For KSCST.	
Angadi Sai Sanjana, Anjali Panday, Hitha Kiran, Roshni A	Internship and job recommendation chatbot	Project Expo ECE. Applied For KSCST.	
Jasna Fathima, Khushi K N, Pradeepta Hemanth, Raina Mohammed Shamoon	Deepfake detection system	Project expo at AIDS. Applied For KSCST.	

INTERNAL AND EXTERNAL PARTICIPATIONS & WINNERS

Student's Name	Prize	Event Name	Date	Organization	Photo
Dhanalakshmi N, Shehaganga NS, Varsha Suresh, Bhavana MP	III	MRIOTHON	22-11-2025	Mysuru Royal Institute of Technology Mandya	
Meghana M, Anjali Ajith	II	PRAGYATHA -25	28-11-2025	Malnad College of Engineering, Hassan	
Chandana s	II	Nokia Banglore University	3/11/2025	Nokia, Manyatha Tech Park, Banglore	
Vaishnavi D Dhanyatha KN Vismaya s Pragnya c	II	Ideathon	5/12/2025	PES, Mandya	
Diya Suraj Ballal, Aishwarya S	I	28 Hours National Level Event E-MINDS Hackathon 2.0	29-11-2025	GSSSIETW	
Priyanka C Ruchitha S Bhagyashree Hokrani	II	Hackcelerate 2k25	22-11-2025	GSSSIETW	
Khushi Mishra	II	Pragyatha-25	23-10-2025	IQAI	
Sanjana G Rao	II	Rediscovering Ancient Wisdom	19-11-2025	GSSSIETW	

APTI CLUB WINNERS

Student's Name	Prize	Event Name	Date	Organization	Photo
Meghana M	III	Apti Rush- Apti Club	25-11-2025	GSSSIETW	
Deneti Rakshitha Chaitanya	II	Code Hunt – Apti Club	26-11-2025	GSSSIETW	
Ananya	II	Apti Fiesta- Apti Club	27-11-2025	GSSSIETW	
Keerthana Ammanagi	II	Code Hunt – Apti Club	26-11-2025	GSSSIETW	
Kushi Mistra	II	Code Hunt – Apti Club	26-11-2025	GSSSIETW	
Likitha Shasthry	II	Round Table Rumble – Apti Club	18-11-2025	GSSSIETW	

Student Participation % in Techncial Events

Final Year	2022 Batch	**85%**
Pre-Final Year	2023 Batch	**50%**
II Year	2024 Batch	**80%**
I Year	2025 Batch	**15%**

VICTORY & VOICES

CLASSICAL MUSIC

We are proud to announce that Aditi Naduthota (5th Semester) achieved First Place in Classical Music at the IIT Madras Online Competition, held on 21st September, bringing great recognition to the department.

SPORTS ACHIVER

We are proud to share that Sanjana R. Rao of 3rd Semester from our department won Second Place in Sports while representing the college, along with her team. Congratulations to the entire team.

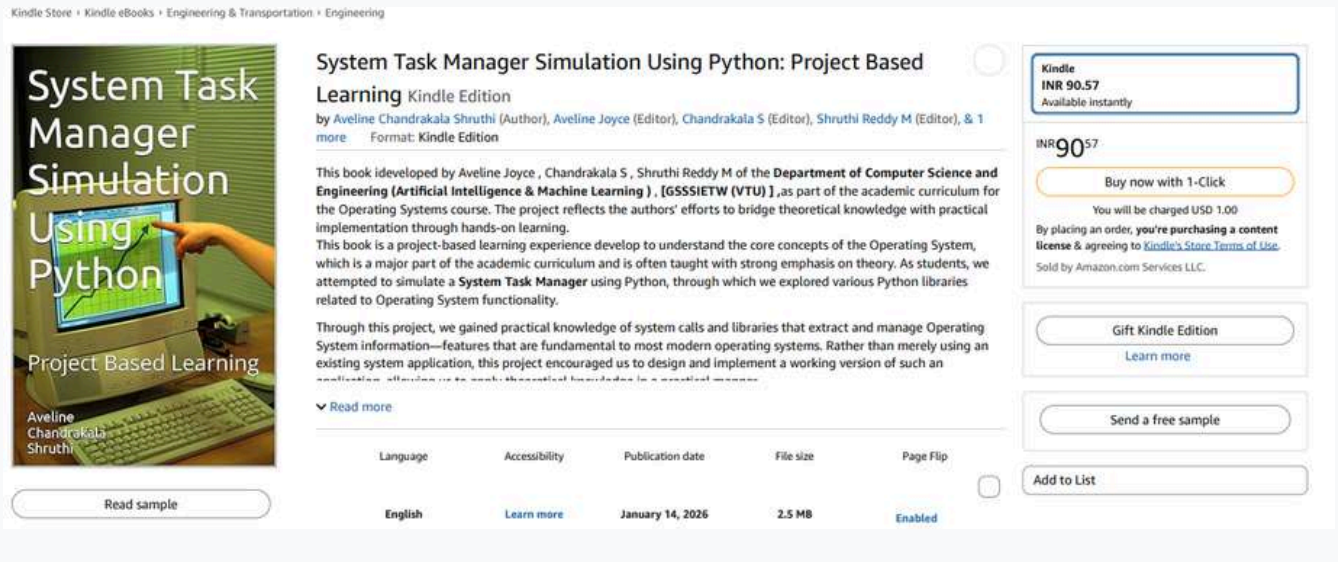
DIGITAL AUTHORS IN THE MAKING

AVELINE JOYCE
IV SEM

CHANDRAKALA S
IV SEM

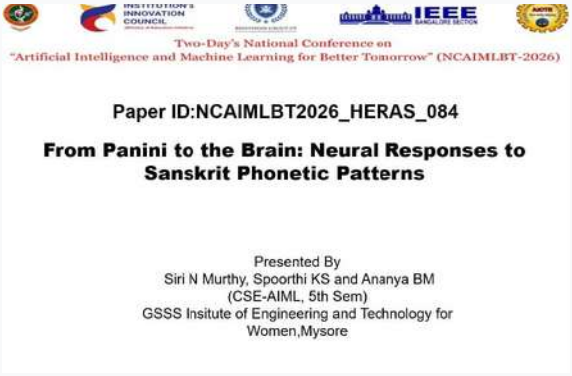
SRUTHI REDDY M
IV SEM

- An insightful e-book showcasing the practical implementation of a System Task Manager using Python.
- Bridges Operating System theory with real-world simulation.
- A strong example of project-based learning and technical innovation.



RESEARCH TO OUTREACH

A DEPARTMENT-LED EFFORT



Siri N. Murthy and Spoorthi K. S. (5th Semester), along with Ananya B. M., Keerthana R., and B. Tanmayi (3rd Semester), are conducting a study on the effects of chanting slokas on students' cognitive levels. A Papers is also published in National Conference, 8th Jan 2026

Participation at VTU National Conference on Engineering Librarianship at VTU, Belagavi 24.01.2026 by

- Priyanka, Bhagyashree and Team, 5th Sem CSE(AI&ML) – presented a paper titled "Intelligent Result Sheet Scraping and academic Trend Analysis"
- Harshitha and Team, 5th Sem CSE(AI&ML) –presented a paper titled – Learning Mangement System

Both Project ideas have been appreicated at the Conference and 02 Govt. Engineering Colleges have shown intrerest in using this at thier College

Bhoomika P., Chinmayi Mohan, Manya E. A., Srujana Ponnamma M. J., Yashaswini B. G.
Working on Ruchikaar is an intelligent culinary assistant that predicts suitable food recipes based on available ingredients and prevailing weather.
This idea is being proposed and presented to few organization

RESEARCH TO OUTREACH

A DEPARTMENT-LED EFFORT

BYTES AWARD 2.0

10.12.2025

BOOSTING YOUNG TALENT'S TO ENDEAVOURS SUCCESS

DEPARTMENTAL RECOGNITION INITIATIVE

BYTES 2.0 – Second Edition 2025

- Recognizes hidden and consistent contributions that often go unnoticed
- Honours achievements such as frequent use of the Department ERP, most library visits, maximum self-learning MOOCs, active event representation and many more
- Appreciates efforts amajor wins, including participation, discipline, and initiative within the Department
- Focuses on department-level recognition that strengthens visibility and culture
- Awardees receive badge-based recognition such as Eager Learner and Hidden Talent, reflected on ID cards

List of Awardees

- **Application Architect:** Developed live applications actively used within the college- **Maanvi Chandan, Manya A Gowda, Ruchitha S, Srinidhi R, Chandana K T, Divya K N, Anu, Chandana B, Divya S**

- **Code Master:** Won prizes or recognition through coding in external competitions- **Varsha Suresh, Snehaganga N S, Dhanalakshmi N, Dhruthi Jain S M, Bhavana M P, Shubhangi Singh, Divya S**
- **Participation Champion:** Maximum participation in academic, technical, and professional events- **Chandana K T, Srividya Swaroop M P**

- **Peer Mentor Award:** Guided and supported juniors in academics and learning- **Keerthana Y P, Shiny N, Anu, Divya S**
- **Best Mentor Award:** Mentored hackathon teams and supported innovation activities- **Ananya R Naik, Anu, Chandana B**

- **MOOC Achiever:** Completed a higher number of MOOCs and self-learning courses- **Deepthi T R**
- **Library Scholar:** Most frequent and consistent user of library resources- **Bhumika Patil**

- **Sports Champ:** Represented the department in sports and athletic events- **Diya Suraj Ballal, Sanjana G Rao, Shubhangi Singh**
- **Global Ambassador:** Contributed to enhancing the institute's global recognition- **Divya S**

TECH TALK – A TECH TALK SERIES BYTES AND BEYOND

Students conducting peer-led sessions for juniors, covering core subjects and learning beyond the prescribed syllabus.

USN	NAME	Talk on	Talk on
4GW23CI017	Hitha Pradeep Y	Tech talk	10/12/2025
4GW23CI045	Ruchitha S	Tech Talk	21-11-2025
4GW23CI035	Nidhi	TECH TALK	19-11-2025
4GW23CI033	Nanditha M	Tech Talk	13-11-2025
4GW23CI027	Manasa G R	Bytes & Beyond A Tech Talk series	4/11/2025
4GW23CI027	Manasa G R	Bytes & Beyond A Tech Talk series	4/11/2025
4GW23CI010	Chandana S	Tech Talk on Adaptive Software Technology in SEPM	25-10-2025
4GW22CI050	Shibha	Resume Building	9/10/2025
4GW23CI045	Ruchitha S	Tech Talk	7/10/2025
4GW23CI035	Nidhi	Tech Dasara	26-09-2025
4GW24CI060	Varsha Suresh	Tech Dasara 2.0 - 2025	23-09-2025
4GW24CI048	Snehaganga N S	Tech Dasara 2.0- 2025	23-09-2025
4GW24CI025	Meghana M	Tech Dasara 2025	23-09-2025
4GW24CI012	Dhanalakshmi N	Tech Dasara 2.0	23-09-2025
4GW24CI007	Bhavana M P	Tech Dasara 2.0 - 2025	23-09-2025
4GW24CI023	Manya E A	Tech Dasara 2.0	22-09-2025
4GW24CI010	Chinmayi Mohan	Tech Dasara	22-09-2025
4GW23CI045	Ruchitha S	Tech Talk	10/9/2025
4GW23CI010	Chandana S	Tech Talk on Network Connectivity in UNIX	10/9/2025
4GW23CI053	Srinidhi R	Mysuru Big tech show	4/7/2025

EXPLORE • ENGAGE • EXCEL THROUGH INNOVATIVE ASSIGNMENTS

Interest-oriented assignments empower students to actively engage in learning and achieve improved academic and practical outcomes.

Artificial Intelligence

Assignment-1

23 responses

Copy

Design and Analysis of Algorithm

Assignment-1

23 responses

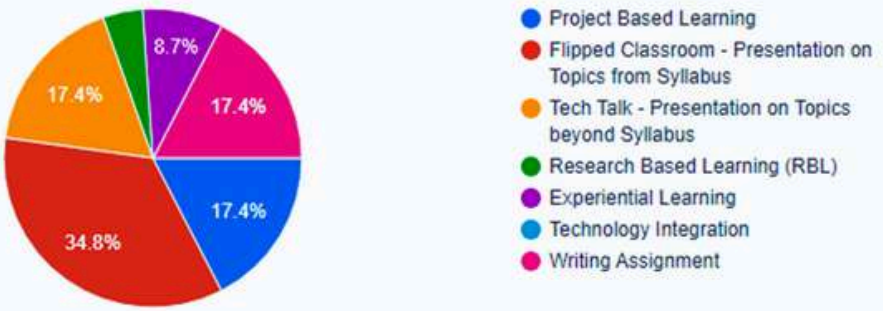
Copy

Data Bases Management System

Assignment-1

23 responses

Copy



OPEN DAY
PROJECT EXHIBITION 10.12.2025

A department-level open day project exhibition providing a platform for students to showcase projects to juniors, promoting awareness of departmental activities and real-time, problem-driven solutions.

1 2 3 4 5

Feedback from Juniors

Amazing work

Essay to use and it is clear

Great presentation skills

Simple and clean presentation. Good effort by the team.

Very Well Explained

"Open Day is a unique departmental initiative where students demonstrate mini to major and self-driven projects, sharing real-time solutions through live demos with juniors and seniors.

TECH DASARA 2.0

LEARNING YATRA: 22ND – 26TH SEPTEMBER 2025







Navaratri Learning Yatra
From Computer Roots to AI Heights in 9 Steps

“

Every Dasara, the department upholds a unique tradition of celebrating knowledge and learning alongside culture.

This Navaratri, the practice continued with Tech Dasara 2.0, where each day unfolded a focused learning journey—from core fundamentals to futuristic domains—creating a structured path for continuous upskilling.

9 Days ● 9 Learnings ● One journey towards empowered learning

TECH DASARA 2.0

THE DAY-WISE PLAN AND LEARNING ACTIVITIES CONDUCTED DURING THE 5-DAY TECH DASARA – LEARNING YATRA

Day	Significance	Computing Topic	Learning Goal	Activity
Day 1	Shailaputri Foundation, stability	Basics of Computers & AI Foundation	Understand core Computer concepts Hardware, I/O Devices, Software Generations, CPU, Operating System. Know Your Devices. Key AI Terminologies	Presentation and Practical Demonstration For I Sem – Basics of Computer For III Sem – AI Foundation
Day 2	Brahmachari ni Learning, discipline	HTML, CSS Structure & Python Streamlit	Building the Foundation: HTML as the Gateway to AI Applications	Hands on: build a simple multi section personal profile page using semantic HTML.I Sem – HTML,CSS III Sem-Streamlit
Day 3	Chandragha nta Clarity, balance, control	Clarity on AI	Automation ≠ AI Clarity in AI means knowing the difference between hype and reality — not everything automated is truly AI.	Session by Faculty and Final Year Students to I Sem & III Sem
Day 4	Kushmanda Creativity, creation of life	Strong Roots, Smarter AI: CS Foundations for AIML Success	Math + Programming + Core CS (DSA, OS, DBMS, Networks) + AI principles → a strong AIML foundation.	Session by Faculty and Final Year Students to I Sem & III Sem
Day 5	Skandamata Nurturing, support	Data, Databases & SQL for AI	SQL is the bridge between raw data and AI models— without it, feeding quality, structured, and relevant data to your AI models becomes a bottleneck.	Hands-on Session on SQL for I & III Sem

SKILL LAB

LEARNING BY DOING. BEYOND SYLLABUS. BEYOND CLASSROOMS. BUILDING INDUSTRY-READY ENGINEERS.

Year	Activities	Key Skill Lab Initiatives	Outcomes Achieved
I Year	● Computer Fundamentals ● Programming Foundations – C & Python ● Logic Building & Problem Solving ● Introduction to AI & ML	● Boot Camp Training ● Sessions on Computer Fundamentals	● Strong programming foundation ● Improved logical thinking ● Early exposure to AI & ML
II Year	● HTML, CSS & Python ● Data Structures ● Google Cloud Foundation	● Git Workshop for Lab Activities ● Data Structure Workshop ● Google Cloud Sessions	● Individual Git repositories ● Cloud computing exposure ● Hackathon participation
III Year	● Full Stack Application Development ● Google Cloud Career Readiness ● Intellectual Property Rights (IPR)	● Real-time application development ● Google Certification Programs ● Article writing & Hackathons	• Live Apps • Google Career Readiness Certifications • IPR – Copyright Registration • Research & innovation mind-set
IV Year	● Advanced AI & ML Research ● National & International Competitions	● Project Expo ● Research-based Projects ● Paper & Book Publications	● Research output ● Global exposure ● Placement & higher-studies readiness

WORKSHOPS

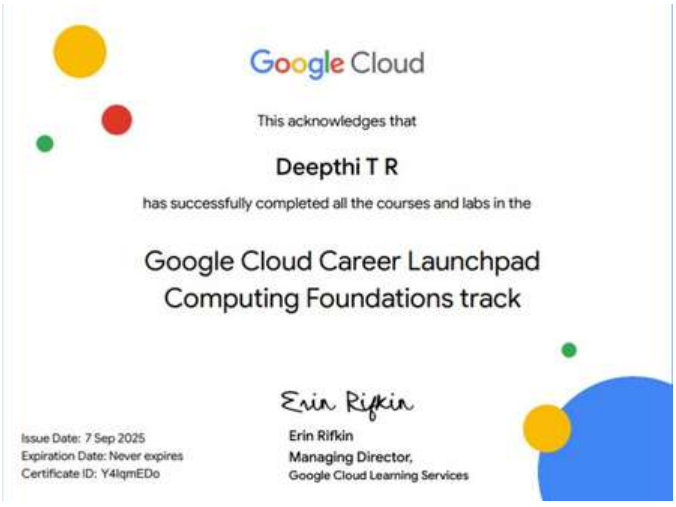
A three-day workshop on **Project Management with Git,** held from **8–10 September 2025**, enabled students to gain hands-on exposure to Git-based project management, version control workflows, and collaborative software development. The workshop was facilitated by **Ms. Gali Purna Venkata Lakshmi, MuleSoft Developer, NTT DATA.**

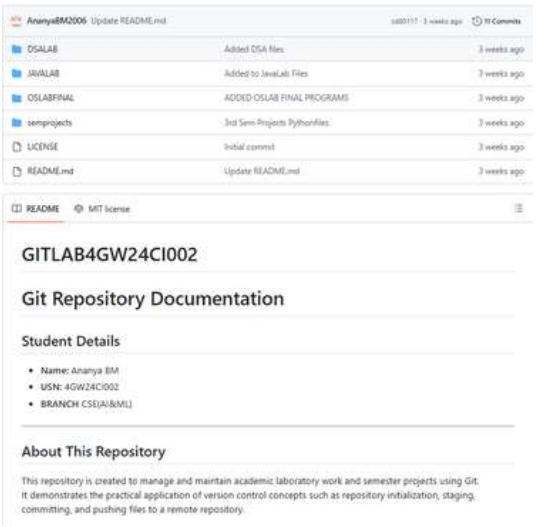
A three-day hands-on workshop on **"Advanced Data Structures and Algorithms"** was conducted from **03–05 November 2025** for III semester students. The workshop, led by **Mr. Nithin N (MTD),** focused on strengthening algorithmic problem-solving skills through practical exposure to core concepts such as hashing, graph traversal, recursion, and backtracking.

A three-day workshop on **"Machine Learning Techniques"** was conducted for VII semester students during **23-25 October 2025.** The workshop, led by **Mr. Pruthvi Raj V (Architect III – AI, Carelon),** focused on supervised and unsupervised learning, ensemble methods, Monte Carlo techniques, graphical models, and Python-based implementation.

SKILL LAB & WORKSHOP OUTCOME

- Exposure to latest technologies including Google Cloud, Generative AI, LLMs, AutoML, Computer Vision, and TensorFlow
- Hands-on experience with DevOps practices by solving real-world problem statements
- Students equipped with individual GitHub accounts and trained in version control workflows
- Strengthened core computing fundamentals (programming, data handling, system concepts)
- Progressive learning pathway from foundational computing to applied AI development
- Improved industry readiness through practical, tool-based and project-driven learning





Google Cloud
Career Readiness Program

- **Google Cloud Computing Foundations (GCCF)**
  - Aishwarya G, Manasa, Bhavana V, Manogna C
- **Cloud Cybersecurity Certificate (CYBER)**
  - Thanushree S T, Aishwarya G, Tejashwini, Shreya Harish, Sukruthi H G, Lekhana Suresh
- **Generative AI Course Series (GAIL)**
  - Manya C P, Nanditha M, Mamatha M, Harshitha R
- **Data Analytics Certificate (ADP)**
  - Pranathi S, Manasa G R, Chandana K S, Syeda Afira Ayman, SIRI N Murthy

INDUSTRIAL VISIT

A faculty industrial visit was organized to Vigyanlabs Innovation Private Limited on **06 October 2025,** providing faculty members with insights into AI Impact on data center operations and industry practices. This was followed by a student industrial visit on **06 December 2025,** where students, accompanied by faculty, gained curriculum-aligned exposure through an expert technical briefing on data center operations and resilience mechanisms.

FACULTY AXCELLER

Dr. Manjuprasad B

- **Deployed and Monitoring many Real-Time Apps at Department and College**
- 01 Paper Submitted for Journal and waiting for Acceptance
- 01 Paper in National Conference – Student Result Analysis Live App – Extended version of this paper may be published in Scopus Index Journal
- 01 Copyright Registered & 03 Copyrights in Process
- ATAL FDP CO-PI hosted druing 5th -10th Jan 2026
- Submitted Proposal for VGST- Early Career Research Awardee (ECRA) as PI
- Around 05 Papers were guided as an outcome of Students Projects and soon will be submitted to suitable referred Journals / Conferences

Dr. Arpitha Shankar

- **Received the Best Ph.D. Thesis Award** at the International Conference on CICCS-2025, held on 20th September 2025 at JSS Academy of Technical Education, Bengaluru. Her Ph.D., awarded by VTU in 2024 under the supervision of Dr. Shivakumar, titled "An Exploration Algorithm for Indoor Environment Using Multiple Robots."
- 02–Conferences Completed and waiting for Publication in Springer LNCSand IEEE
- 01 Conference Publication Indexed in IEEE
- 01 Students Paper Submitted for Publication
- ATAL FDP PI hosted druing 5th -10th Jan 2026
- Submitted Proposal for VGST- Early Career Research Awardee (ECRA) as Co-PI

Mrs. Geetha A L

- 03 Ph.D. Course Work Completed this cycle
- 01 Paper Submitted for Conference and waiting for Acceptance

Ms. Jeevitha H M

- All Ph.D. Course Work Completed this cycle
- 01 Paper Submitted for Conference and waiting for Acceptance

Mrs. Sumana

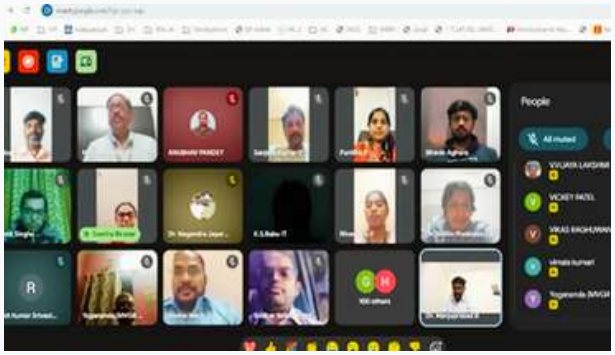
- 01 Paper Presented & Published in IEEE Conference
- 01 Paper Submitted for IEEE Conference and waiting for Acceptance
- 01 Patent Filed and Published - A Voice Translation System in
- Multilingual Communication, Indian Patent Application No. 202541093380 A,
- filed on 29 September 2025 and published in The Patent Office Journal No. 44/2025, dated 31 October 2025.

Technical Staff Contribution

Supritha Ajareddy and **Rakshitha H. S**. completed the Python Essentials course by Cisco and actively assisted other students during the learning process, promoting collaborative learning.

SIX-DAY AICTE–ATAL FDP ON ROBOTIC OPERATING SYSTEM 2 (ROS 2) & AI FOR NEXT-GEN ROBOTICS

The Department of **CSE (Artificial Intelligence & Machine Learning)**, GSSS Institute of Engineering & Technology for Women, Mysuru, successfully organized a **Six-Day AICTE–ATAL** Sponsored Online Faculty Development Programme (FDP) titled **"Robotic Operating System 2 (ROS 2) and Artificial Intelligence for Next-Gen Robotics"** from **5th to 10th January 2026.** The programme was conducted under the coordination of **Dr. Arpitha Shankar S. I,** Associate Professor, Department of CSE (AI & ML), with **Dr. Manjuprasad B** serving as the Co-Coordinator. The FDP witnessed enthusiastic participation from 147 faculty members and research scholars representing technical institutions across India, reflecting the growing interest in next-generation robotics and intelligent systems.



The FDP was designed to bridge the gap between robotics fundamentals and advanced AI-driven robotic applications, with a strong emphasis on hands-on learning, simulation-first development, and real-world deployment using ROS 2. The sessions were delivered by an eminent panel of academicians and industry experts, ensuring a balanced blend of theoretical foundations and industry-oriented practices.Across six intensive days, participants gained in-depth exposure to ROS 2 architecture, communication models (Topics, Services, Actions), robot modeling using URDF, simulation with Gazebo and RViz, perception using AI and computer vision, and autonomous navigation frameworks. Advanced topics such as AI integration with ROS 2, object detection using YOLO, SLAM, navigation stacks, and AI-agent-driven robotics were also covered through live demonstrations and practical workflows. Special focus was given to simulation-first design approaches, enabling participants to safely validate robotic behaviors before real-world deployment.

The program concluded with a valedictory session, participant feedback, and guidance on assessments and certification. Overall feedback highlighted the relevance of the content, effectiveness of delivery, and strong practical orientation of the FDP. The event significantly contributed to enhancing participants' technical competence in robotics and artificial intelligence, reinforcing the department's commitment to promoting learning in emerging technologies and supporting the vision of advanced technical education.

ALUMNI INVOLVEMENT

Likhitha Rani L
Associate-Developer at Thoughtworks &
Sushmitha G
Associate Engineer @ lululemon
2021 Batch Graduates
conducted an interactive hands-on session on HTML, CSS, and JavaScript, aimed at strengthening students' fundamentals in web development for III Sem students
September 2025

Sushmitha G
Associate Engineer @ lululemon
2021 Batch Graduate
served as a Jury Member at the Hackcelerate – Women Only Hackathon 2025, contributing her industry expertise to evaluate and mentor aspiring innovators,
21-22 November 2025

Ms. Shrivani S.
Data engineer at IBM &
CSE Alumnae 2022 Batch
delivered a Technical Talk on Cracking the Code: Loops, Decisions & Patterns for 3rd Sem CSE(AI&ML) on
13 Septemeber 2025

PARENTS TEACHERS MEETING

14 November 2025

WISDOM AND ETHICS: APPLYING BHAGAVAD GITA'S PRINCIPLES TO AI DEVELOPMENT…

SIRI N MURTHY
V SEM CSE(AI&ML)

ಯಥೈಧಾಂಸಿ ಸಮಿದ್ಧ ೋ ಅಗ್ನ ಿಃ ಭಸಮ ಸಾತ್ ಕುರುತೇ ಅರ್ಜುನ |
ಜ ್ ಞಾನಾಗ್ನ ಿಃ ಸರ್ಕರ್ಮಾಣಿ ಭಸಮ ಸಾತ್ ಕುರುತೇ ತಥಾ|| BG 4.37

Translation: As a kindled fire reduces wood to ashes, O Arjun, so does the fire of knowledge burn to ashes all reactions from material activities. Meaning: Even a spark of fire has the potential to become a major conflagration and burn down a huge heap of combustible material.

The Bhagavad Gita's composition is traced back to the late Vedic period, between 400 BCE and 400 CE. The revered sage Vyasa, credited with compiling the Mahabharata, is believed to have authored the Gita. Initially, the text consisted of 700 verses and was part of the Mahabharata's Bhishma Parva, chapters 25-42. This sacred dialogue between Prince Arjuna and Lord Krishna on the Kurukshetra battlefield has since become a cornerstone of Hindu philosophy. As I delve into Artificial Intelligence and Machine Learning, I find intriguing parallels between the Gita's timeless wisdom and AI concepts. This convergence has inspired me to integrate the Gita's lessons into my understanding of AI. Dharma (Righteous Duty) and AI's Purpose In the Bhagavad Gita, Lord Krishna teaches Arjuna about dharma, the righteous duty that one must follow in life. Similarly, AI systems are designed to serve a specific purpose and adhere to certain ethical principles.

Just as Arjuna must align his actions with his higher purpose, AI should be programmed to function in alignment with human values, ethics, and societal well-being. Developers, like Arjuna, must be aware of the "dharma" of AI—creating technologies that serve the greater good and avoid harmful impacts. The Role of Knowledge (Jnana) in AI The Gita stresses the importance of knowledge (jnana) in achieving liberation and understanding the true nature of reality. Similarly, AI relies on data and algorithms to generate knowledge and inform decision making.However, just as Krishna encourages Arjuna to apply wisdom to discern between right and wrong actions, AI must be guided by ethical frameworks and the wisdom of human oversight to ensure that it operates in a beneficial and morally sound way. Balance and Harmony The Gita also discusses the importance of maintaining balance and harmony in life. This can be related to the balance needed in AI development—ensuring that technological advancement does not lead to the imbalance of society. Like Lord Krishna guiding Arjuna, we must guide AI to serve humanity—not control it. By applying the Gita's values--duty, knowledge, balance, and ethical action, we can create AI that supports human wellbeing.

ಕರ್ಣ್ಯ ೋ ವಾಧಿಕಾರಸ್ತ ೋ ರ್ಮ ಫಲೇಷು ಕದಾಚನ ।
ರ್ಮ ಕರ್ಫಲಹೇತುರ್ಿಃ ರ್ಮ ತೇ ಸಂಗೋಽಸತ ವ ಕರ್ಣಿ||BG 2.47||

You have the right to perform your karma (prescribed duties), but you are not entitled to the fruits of your karma (actions). Never consider yourself the cause of the fruits of your actions, nor be attached to akarma (not doing your duty). References Bhagavadgita Yatharoopa https://www.holy-bhagavad-gita.org

RUNNING THE ALGORITHM OF LIFE

VARSHA SURESH
III SEM CSE(AI&ML)

For me, running has never been just about fitness. It's more like a conversation with my own mind. When I run, everything slows down in the best way, the noise fades, thoughts settle, and things start making sense. Somewhere between the rhythm of my steps and my breathing, I find clarity. And over time, I've realized how deeply this connects with who I am as an engineering student.

When I run, I'm constantly planning, how fast to go, when to slow down, how much energy I have left. It's surprisingly similar to how we approach problem-solving in engineering. Just like choosing the right algorithm or data structure, running teaches me when to push and when to hold back. Efficiency isn't about speed alone; it's about balance and sustainability.

I often think about Operating Systems while I run. My body feels like a perfectly coordinated system, the brain acting as the scheduler, the heart managing resources, and breathing keeping everything in sync. If one part falls out of rhythm, performance drops instantly. It's the same way an OS works under load, constantly managing tasks to keep everything stable and responsive.

Even Object-Oriented Programming shows up in my routine. Every run has structure: warm-up, pacing, endurance, cooldown. Each part has a clear purpose, and together they create a complete system. Just like clean, reusable code, this structure brings consistency and long-term progress.
And then there's AI and Machine Learning, probably the closest parallel. Every run gives me data: how my body feels, how fast I recover, where I struggle. I learn from it, adapt, and try again. Some days I perform better, some days worse. But just like training a model, improvement isn't linear. It's about repetition, patience, and trusting the process.

Running has taught me things no textbook ever could. It taught me discipline, resilience, and how to keep going even when progress isn't visible. In many ways, it has shaped the way I think as an engineer.
For me, running isn't just a hobby. It's my personal algorithm - constantly learning, evolving, and improving. And with every run, just like every line of code, I'm not just building skill... I'm building myself.

QUANTUM COMPUTING

LISHA S KUMAR
III SEM CSE(AI&ML)

Quantum computing is a revolutionary field using quantum mechanics (like superposition & entanglement) to process information with qubits, It is where computation is no longer abstract logic but a direct application of the laws of quantum physics. Quantum mechanics is a bit like the operating system of the universe. Four key quantum mechanics principles to understand quantum computingare superposition, entanglement, decoherence , interference .

Quantum Computing: The Next Computational Paradigm

First theorized in the early 1980s, it wasn't until 1994 that mathematician Peter Shor published one of the first practical real-world applications for a hypothetical quantum machine. Shor's algorithm for integer factorization demonstrated how a quantum mechanical computer could potentially break the most advanced cryptography systems of the time—some of which are still used today.

Quantum computing has applications in cryptography, optimization problems, material science, drug discovery, artificial intelligence, and complex simulations.

Quantum computers typically operate at extremely low temperatures of about 10–20 millikelvin ,which is 0.01–0.02 kelvin above absolute zero .

From Qubits to Cosmos:

Space is one of the vast and mysterious subject to explore beyond earth which holds galaxies, stars, planets, black holes , Orbital Debris Detection and Tracking and countless cosmic phenomena. In the upcoming years, combination of AI and quantum computing is expected to enhance secure satellite communication, improve deep-space navigation without reliance on GPS, and optimize spacecraft trajectories to save fuel and time.

Quantum Race:

The future of quantum computing in space is gaining attention across the world. Countries like the United States, China, European Union, and India are actively investing in quantum technologies for space missions.

- European Space Agency (ESA) - EAGLE-1: Scheduled for launch in 2026 on a Vega C rocket, EAGLE-1 is Europe's first end-to-end space-based Quantum Key Distribution (QKD) system.
- (ISRO) - First Quantum Satellite: Under the National Quantum Mission (NQM), India aims to launch its first dedicated quantum communication satellite by 2026.
- United Kingdom& Singapore -SpeQtre: Following its launch, the SpeQtre satellite is scheduled to begin quantum communication experiments in early 2026.
- Canada - QEYSSat: The Quantum Encryption and Science Satellite (QEYSSat) is a small microsatellite expected to launch in 2026 .
- China- Quantum Mega-Constellation: China continues to advance its "Micius" legacy by planning a large network of low-Earth orbit quantum communication satellites
- Boeing - Q4S Satellite: Boeing plans a 2026 launch for its Q4S satellite to test quantum entanglement swapping in orbit.
- NASA - Deep Space Optical Communications (DSOC): While primarily a laser communication demo, NASA's DSOC (integrated with the Psyche spacecraft) will conduct critical operations during a Mars flyby in 2026.

THE AI TRAP

ANANYA B M
III SEM CSE(AI&ML)

"I shipped code I don't understand and I bet you have too"
-Jake Nations

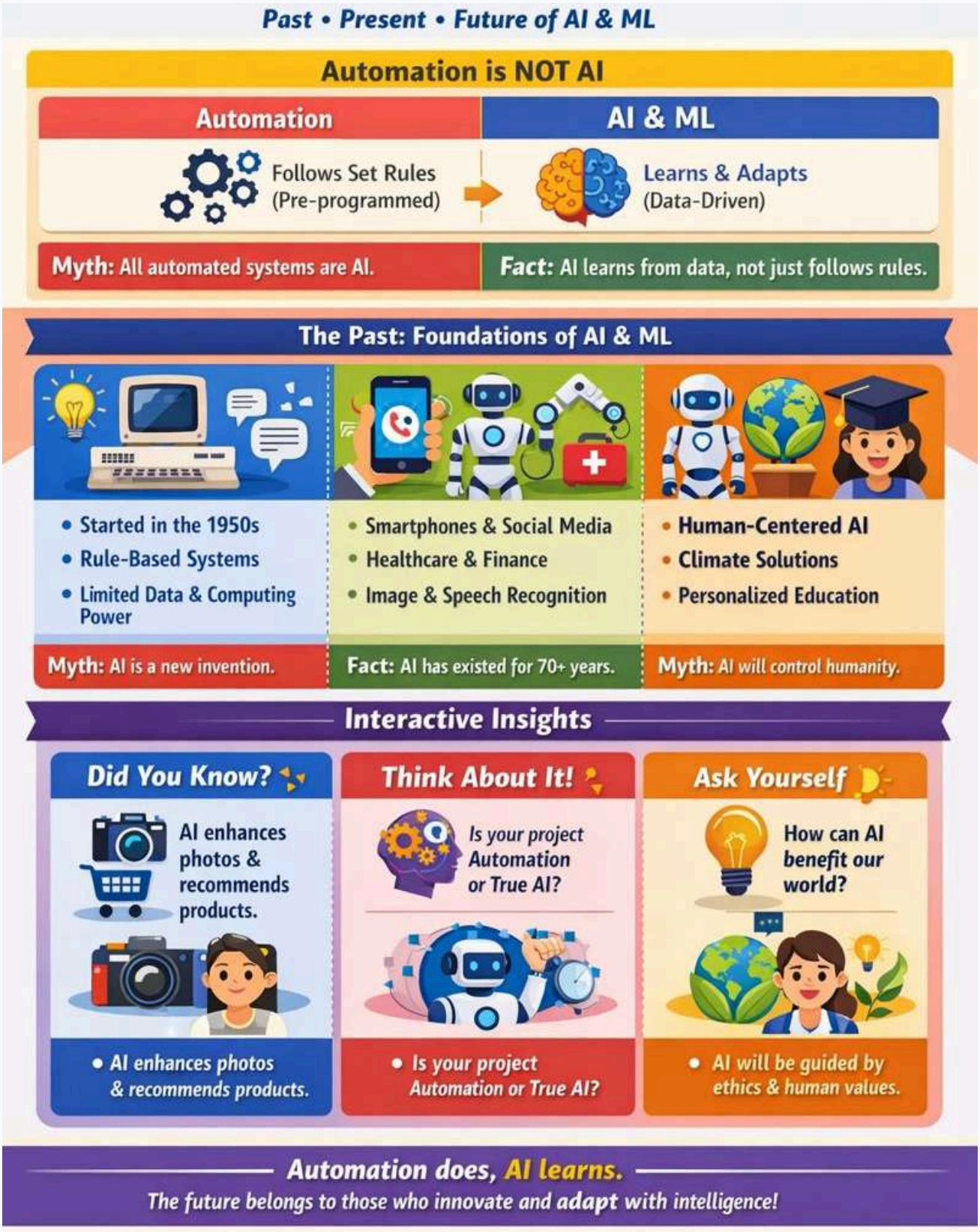
The AI Trap: Are We Coding Faster, But Understanding Less? Let's be honest: we have all done it. You have a deadline, a complex assignment, or a bug you just can't fix. You paste the prompt into ChatGPT or Gemini, copy the code it spits out, run it, and... it works! You submit it and move on. But if someone asked you to explain exactly how that code works line-by-line, could you? Backlog items that used to take days are now taking hours and large refactors that have been on the books for years are finally being done. There's a saying that Large Productions systems always failing in unexpected ways. When you think and solve you understand the code better that you are debugging. And the problem is now we're generating code at such speed and such volume where our understanding is having a hard time keeping up. The hard part was never about the mechanics of coding or the syntax, the problem is that we are not actually understanding the problem and designing the solution and no tool can eliminate that fundamental difficulty and this is because most of us get confused between the phrase simple and easy where they are not same in more sense simple made easy.

The problem isn't that the code is bad—it's that we don't understand it. And when a system you don't understand breaks in production you are powerless to fix it. Don't Outsource Your Thinking. So, should we stop using AI? Absolutely not. But we need to change how we use it. The solution is to become "Context Engineers.

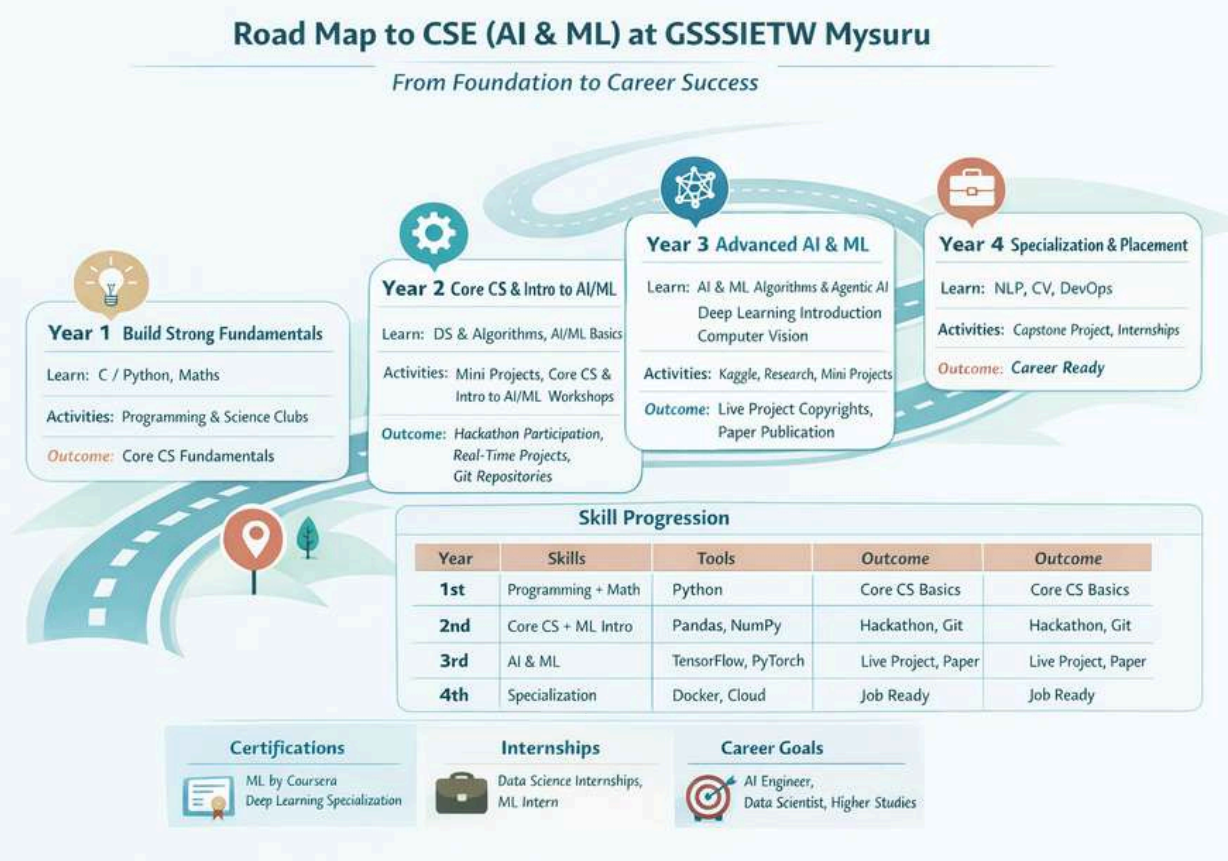
" Instead of asking AI to "just write the code," we should do the hard work first:

- Research & Plan: Understand the problem deeply yourself.
- Write a Spec: Create a detailed plan of what the code should do.
- Generate: Only then, use AI to write the syntax based on your plan. The Takeaway for Us Students As future engineers, our value isn't in how fast we can type or how well we can prompt a chatbot. Our value lies in understanding systems. Use AI to speed up your hands, not to replace your brain. The best developers won't be the ones who generate the most code —they will be the ones who actually understand what they built.

ARTIFICIAL INTELLIGENCE &MACHINE LEARNING FACTS, MYTHS & THE ROAD AHEAD



ROAD MAP
FUTURE DIRECTION



PATH FORWARD

- Promote research-driven AI learning leading to quality publications
- Build a strong foundational understanding of AI, beyond the use of AI tools
- Ensure 100% student participation in active, hands-on learning components of the department

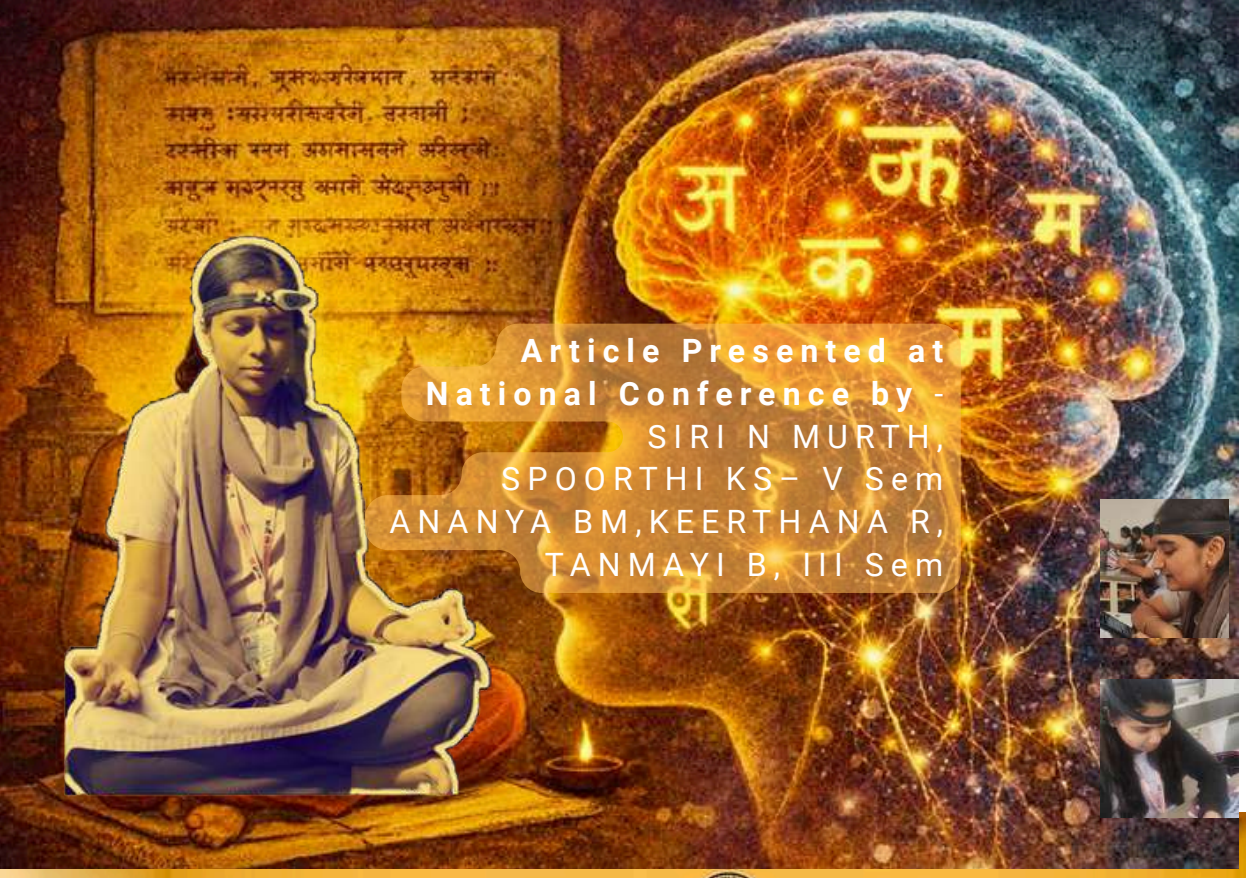
THANK YOU

From Panini to the Brain:

Neural Responses to Sanskrit Phonetic Patterns

Incorporating a Śloka Recitation Session as a Holistic Learning Approach

Integrating Phonetics, Cognition, and Neural Engagement



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