

# CSE (AIML) INTELLECTA

Department Newsletter

Department of Computer Science  
and Engineering (AIML)



GLOBAL ACADEMY OF  
TECHNOLOGY



# VISION AND MISSION OF THE INSTITUTE

## VISION

**Become a premier institution imparting quality education in technology and management to meet the changing needs of people, planet and industry.**

## MISSION

**Create a dynamic learning environment that fosters innovation, ethical values, and sustainability through quality education, research, and industry collaboration.**

# VISION AND MISSION OF THE DEPARTMENT

## VISION

**To Become a leading hub of excellence in education, research in the field of Computer Science and Engineering providing AI-driven solutions with holistic development for the needs of the Society.**

## MISSION

- **To Provide aspiring engineers for industry and academia by offering excellent education in emerging AI techniques.**
- **To equip value-added technical and research-oriented education by satisfying societal needs**
- **To educate with professional integrity values and ethics for the environment awareness.**

## ABOUT THE DEPARTMENT



### **Department of CSE (Artificial Intelligence & Machine Learning)**

The Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) is a vibrant hub of academic excellence, research and innovation. The curriculum is thoughtfully designed to offer a robust foundation in core Computer Science principles while enabling focused expertise in AI and ML domains. It equips students with the knowledge, tools and hands-on experience needed to tackle real-world problems using intelligent technologies.

Students thrive in a dynamic learning ecosystem that blends rigorous academics with experiential learning, facilitated by dedicated and accomplished faculty. The department actively organizes various flagship events such as Skill enhancement Programs, Value added programs, OpenDay, MindMaze, Pitch perfect etc. providing platforms for students to showcase their creativity and collaborative team works.

To nurture talent beyond the classroom, the department supports various student-led clubs and technical forums under faculty mentorship, encouraging participation in projects, hackathons, and competitions. The CSE (AI & ML) department is committed to shaping future-ready professionals who are not only technically proficient but also innovative, ethical and socially responsible leaders in the field of Artificial Intelligence and Machine Learning.

## MESSAGE FROM THE HEAD OF THE DEPARTMENT



**Dr. Chandramma R**

**Dr. Chandramma** is a highly distinguished academic and researcher, having been twice awarded the Best Research Paper. Her expertise is widely recognized, as demonstrated by her membership on the Board of Studies in various universities. Furthermore, she served as the Conference Chair for several national and international conferences. Her prolific publication record includes contributions to high-impact journals, with several papers published in Q1 and Q2 Scopus journals (IEEE and Springer Nature), a book chapter published by Taylor and Francis, and the impressive achievement of five granted patents. She has been guiding research scholar for PHD under our R&D.

I am happy to present this edition of our departmental newsletter. Even though it is a lot of effort in gathering data on what information is worth reporting every six months, the reactions from our colleagues, alumni and Students have made it worthwhile.

Our faculty and students have been working hard, in research, in bringing new research grants and new research thrusts and reaching cutting edge research in teaching by creating new courses.

The creation of newsletter every six months gives us an opportunity to take a stock on how we are progressing towards becoming an even Computer Science Engineering department. Striving for continued progress and betterment of our research, education and service to community, are very important to us. In the last six months we had success in multiple areas.

Several industry experts have delivered talk on expert course to add on knowledge. Our department has conducted value added program to develop technical skill beyond academics. Our faculties conducting training programs, working towards industry collaborations and establishing Centre of excellence.

## EVENTS HOSTED BY THE DEPARTMENT



### Pitch Perfect 1.0



The auditorium at Global Academy of Technology was filled with a palpable sense of excitement for the much-anticipated "Pitch Perfect" event. This dynamic competition provided a powerful platform for our students to step into the shoes of entrepreneurs, presenting the culmination of their hard work and research on innovative solutions to real-world problems.

Before an engaged audience and an esteemed panel of judges, teams took to the podium to articulate their unique ideas. Pitches ranged across various domains, with one team, for instance, delivering a compelling and well-researched proposal to tackle the complex issues of fraudulent tickets and automated scalping in the event industry using modern technology.

The event was a fantastic showcase of the creativity, critical thinking, business acumen, and persuasive public speaking skills being cultivated within our CSE (AIML) department.

## OPEN-DAY 'IDEA WAVE' MINI-PROJECT EXHIBITION



The Department of CSE (AI & ML) organized a Mini Project Open Day for 6th semester students on 30th January, 2025, providing a platform to exhibit their technical creativity and innovation. A total of 19 projects were showcased across diverse domains such as Machine Learning, IoT, Image Processing, and MERN Stack.

The event was judged by Mr. Hemanth Rakesh, Data Scientist at Thomson Reuters, and Mr. R. C. Ravindranath, Assistant Professor, CSE Department, GAT. The first prize was awarded to the project Crop Rotation, followed by Human Safety System in second place and Predictive Maintenance of Aircraft Engine Failure in third.

Other mentionworthy projects included Facial Emotion Detection, Credit Card Management System, and Skin Disease Detection, each reflecting the students' strong problem-solving abilities and application of emerging technologies.

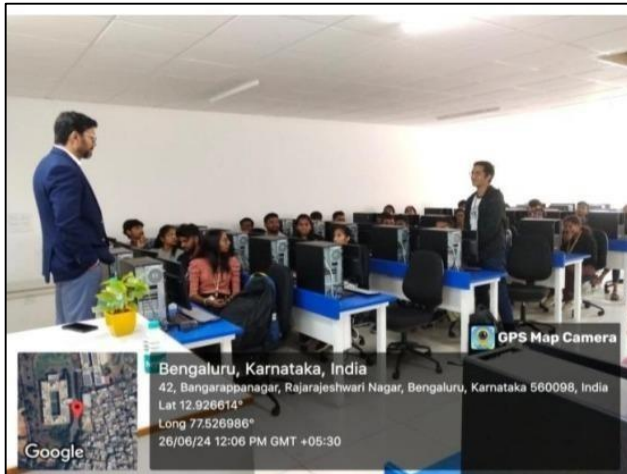
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## SKILL DEVELOPMENT PROGRAM ON 'AI WITH IMAGE SEGMENTATION'

Featuring Mr. Sateesh Kumar Ambesange (CEO and Co-Founder of Pragyan SmartAI Technology LLP), this program delivered technical insights into Image Segmentation, a critical AI technique with applications in medical diagnostics and autonomous systems.

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## TECHNICAL TALK BY VENKATARAMAN UMAKANT



The Department of CSE-AIML at Global Academy of Technology, Bengaluru, hosted a Technical Talk on 26th June 2024, featuring Mr. Venkataraman Umakanth, Senior Vice President of SONA GROUP, Bengaluru. Mr. Umakanth encouraged the audience to adopt clear and constructive communication and recommended the book "Change Your Questions, Change Your Life" for personal growth.

## TECHNICAL TALK BY MR. DINESH M



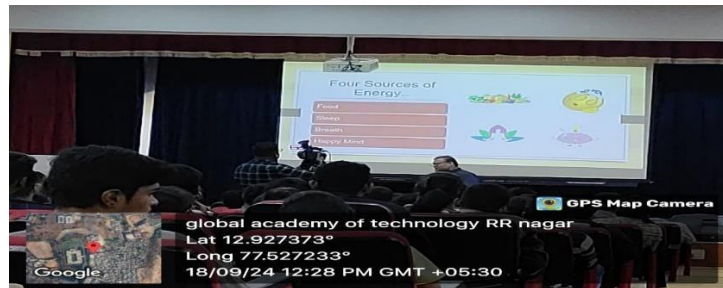
The Anveshan Club recently organized a thought-provoking technical talk on Entrepreneurship, which was graced by a distinguished guest speaker Mr. Omkar. Our guest speaker, an experienced entrepreneur with a proven track record, shared their personal journey of building a successful business from the ground up.

## TECHNICAL TALK BY SHARADA VEERARAGHAVAN



The CSE-AIML department at Global Academy of Technology, Bengaluru, hosted a technical talk on Web Technologies. The session emphasized continuous learning and staying updated with emerging trends to become industry-ready. 90% of the actively engaged students found the session highly beneficial and relevant.

## STUDENT INDUCTION PROGRAM 2024-2025



The Student Induction Program for the 2024-2025 batch of Bachelor of Engineering students at Global Academy of Technology marked a vibrant beginning to their academic journey. Held from 18th to 28th September 2025, the week-long program blended inspiration, learning, and fun.

It featured insightful sessions by distinguished speakers including Mr. Ramnath Iyer, Dr. Sandesh, as resource persons who emphasized physical fitness, mental toughness, and intellectual honesty.

Faculty and mentors from various departments oriented students about academics, opportunities for interdisciplinary learning, and institutional facilities. Engaging activities by seniors, club introductions, and interactive sessions like debates, open mics, and AI demonstrations added enthusiasm and camaraderie.

The formal inauguration, graced by Mrs. Aishwarya D.K. Hegde (Trustee & Secretary) and Mr. Vishwanath Reddy highlighted the importance of innovation, holistic growth, and parental involvement.

The induction concluded with sports and NCC orientations, reinforcing the values of teamwork and discipline. The program truly set the tone for an inspiring and enriching journey ahead at GAT.

## STUDENT ACHIEVEMENTS



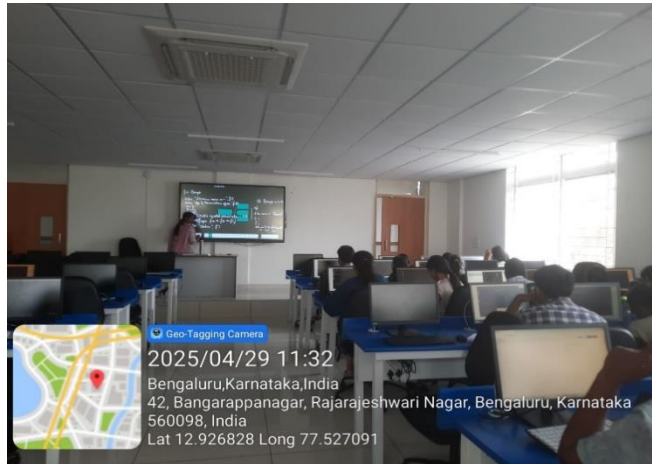
### TECH SPRINT



The workshop was organized by the Department of Computer Science, Surana College (Autonomous), South End Campus. Naman A.U, Sanjay S, and Kenisha also actively participated, gaining valuable hands-on experience in the application of ML and AI techniques. The event provided an excellent platform for practical learning, innovation, and collaboration.

- **24 students** attended international conferences and presented the paper on recent research trends in computational science organized by **RRCE, REVA, RVIM**.
- **59 students** completed online courses by **Infosys Spring-board, NPTEL**.
- **117 students** attended Skill Development Programs on OOPS with JAVA & Generative AI and LLMs.
- **48 students** participated in Hackathon, webathon, epic-quest, brainstorm battle, standard carnival (Bureau of Indian Standards), mock-the-mock, idea wave, MYSTIQ organized by GAT, SJBIT, ACSCE, and interdepartmental sports competition.
- **8 students won 1st & 2nd prize in cyber craft, National Hackathon** organized by ACSCE, Suran College, Bangalore.
- 2 students completed internships in Weekday, IDITECH technology.
- **SaiChandan** of final year student has successfully placed in **IBM, Bangalore**
- **25 students** are intern in various IT companies – **AI-palate, boAT, DRDO, ISRO, HAL, Pentagon Space, Byte-decoder, TecNVIRONS**.
- Few students have been volunteered a blood donation campaign organized by GAT.

# SKILL LAB



## THE EDITORS NOTE



We thank our department for giving us the opportunity to proudly present the 4th issue of our newsletter. We present to you a glimpse of the various activities and events which were organized and held at our Department.

We also present to you our faculty's outstanding achievements and their publications in various reputed journals and conferences. Finally, we showcase various achievements and awards won by our highly talented students and present a few articles and a piece of poetry.

We thank all our teachers and students who have kindly obliged to contribute articles and other content.



**Prof. Kavyashree B S**

## EDITORIAL BOARD



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