

GLOBAL ACADEMY OF TECHNOLOGY
DEPARTMENT OF ARTIFICIAL
INTELLIGENCE & MACHINE LEARNING

extraordinAire

A MONTHLY NEWSLETTER

MAY-JUNE 2024
EDITION



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OUR VISION

To provide progressive education and create transformative professionals and leaders to harness the power of technology and make a positive impact on the society.

OUR MISSION

- **Quality Education:** To adopt a student centric curriculum delivery process with emphasis on problem solving and programming skills.
- **Innovation:** To collaborate with industries and professional bodies and make the students industry ready. To drive innovation through multi-disciplinary research and development activities.
- **Skill Development & Ethics:** To endorse additional skill development through student forums and experiential learning. Inculcate human values for a smarter and ethical world.

PROGRAM SPECIFIC

OUTCOMES (PSO):

- Graduates will be Proficient in programming and problem-solving skills for developing, managing software and distributed systems.
- Graduates will be able to identify, formulate, predict and solve real world problems by applying principles of Artificial Intelligence & Machine learning.

PROGRAM EDUCATIONAL

OBJECTIVES:

- Able to practice and implement their success skills like problem solving, communication and collaboration for providing innovative engineering solutions.
- Contribute their AI & ML expertise grounded in computer science as members and leaders of professional engineering teams in multidisciplinary applications.
- Demonstrate lifelong learning through continued professional development and higher education in top graduate technical, research and management programs.
- Demonstrate a commitment to society by applying the skills and knowledge for a smarter and ethical world.



List of Events

LETV INGAURATION
ADVANCED JAVA - VAP
CPU-OS - VAP
LETV SESSION-2

LETv INAUGURATION



May 20th, 2024 marks the successful inauguration of LETv, an event designed to provide a platform for individuals to share insights on a wide range of technical and life skill topics. LETv stands for Learning, Engaging, and Teaching via talks, where participants can gain knowledge, network, and enhance their skills. The event kicked off with an inspiring talk by Bhuvan S. A, a dedicated student from the AI and ML Department. Bhuvan shared his profound insights on Artificial Intelligence, discussing its current trends, potential future developments, and how AI is transforming various industries. His engaging presentation set a high standard for the series of talks to follow.

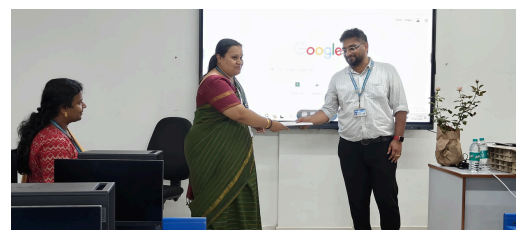
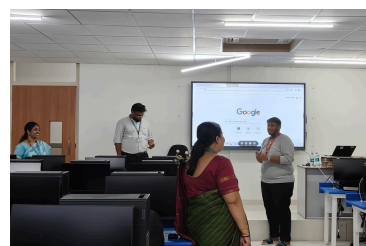
The second speaker of the day, Asst Prof Shubha G N, captivated the audience with her talk on Effective Communication. She emphasized the importance of clear and concise communication in both professional and personal settings, offering practical tips and strategies to improve our daily interactions. Her expertise and engaging style left a lasting impression on everyone in attendance.

The event was well-received, with participants eagerly engaging in discussions and networking opportunities following each presentation. With its successful launch, LETv promises to become a cornerstone event for those passionate about continuous learning and personal development.

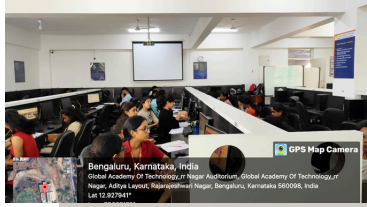
LETv aims to be a recurring event, fostering a community of learners and enthusiasts eager to share their knowledge and experiences.

ADVANCED JAVA-VAP

The comprehensive 5-day Value Added Program, organized by the IEEE Computer Society Student Branch Chapter from June 3rd to June 7th, 2024, aims to equip professionals with essential Java programming skills and advanced concepts in the Spring Framework. Participants will gain hands-on experience with Java programming, covering topics such as classes, inheritance, exception handling, and the Java Collections Framework. The program also delves into Spring Framework essentials, including Inversion of Control, Dependency Injection, Spring Boot, Aspect-Oriented Programming, and Spring ORM for data access. Through lectures, practical exercises, and real-world case studies, attendees will develop the expertise needed to excel in Java development roles. The Advanced Java workshop, emphasizes foundational skills in Java programming, utilization of Java Collections, mastery of Spring Framework concepts, and practical application development. Each day focuses on different aspects, from Java fundamentals to advanced Spring concepts and Spring ORM implementation with JPA. The outcomes include enhanced technical proficiency, industry-ready skills, improved problem-solving abilities, increased employability, and a comprehensive understanding of Java frameworks. The program's objectives are to enhance skills, ensure industry relevance, provide an in-depth understanding of the Java ecosystem, optimize performance, and improve software design and architecture.



CPU-OS VAP



The Value-Added Program (VAP) on CPU-OS Simulators offers a comprehensive learning experience, starting with an introduction to CPU architecture and operating system functions. Participants gain proficiency in writing and debugging assembly language programs, memory management techniques like paging and segmentation, and process scheduling algorithms. The hands-on sessions and lab exercises allow them to apply theoretical concepts in practical scenarios, analyzing performance and optimizing system configurations.

The final project consolidates their knowledge, as they design and implement a comprehensive simulation, demonstrating mastery of CPU-OS interactions and optimization strategies.

By the end of the program, participants will have a thorough understanding of operating systems, practical skills in using CPU-OS simulators, enhanced problem-solving abilities, and knowledge of embedded systems. The program's objectives are to enhance skills, ensure industry relevance.

This preparation makes them more competitive for careers in technology, equipped with essential skills in computer architecture and operating systems. The program emphasizes both theoretical concepts and practical applications, bridging the gap between academic learning and real-world challenges in computer science and engineering.

LETV SESSION-2

The LETv session delved into the intersection of machine learning, art, and life skills, showcasing how technology can enhance creativity and personal development. Participants discovered how machine learning algorithms can push the boundaries of traditional art forms, enabling artists to create groundbreaking works that challenge norms. The session also emphasized the importance of integrating life skills such as critical thinking, adaptability, and communication in a technology-driven world. This blend of technology and creativity fosters a synergy between modern technology and traditional craftsmanship, encouraging continuous learning and adaptability amidst rapid technological advancements.

As a result of the session, participants gained insights into leveraging machine learning tools for artistic innovation and developed improved critical thinking and problem-solving abilities. They also enhanced their adaptability and resilience, preparing them to navigate and thrive in an ever-changing digital landscape. The session strengthened their collaborative and communication skills, essential for working in interdisciplinary teams that blend art, technology, and craftsmanship. Overall, participants left with a broader perspective on the potential of technology to enrich and transform artistic practices, inspiring them to embrace new methods and tools in their creative endeavors.



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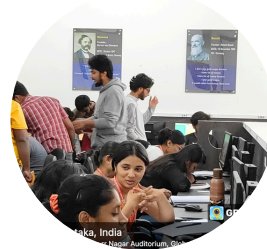
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