VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

MECHNOVA

OCTOBER 2024

VOL 12, ISSUE 5

LATEST IN MECHANICAL ENGINEERING!!

MIT's Clio powers robots to handle real-life chaos, find items is messy rooms

Massachusetts Institute of Technology (MIT) engineers have created Clio, a new technology that enables robots to intuitively identify relevant areas of a scene based on specific tasks. The tech helps robots make sense of their surroundings, like human decision-making, focusing only on what needs to be done.

INSIDE THIS ISSUE:

VISION

"To become a centre of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges"

MISSION

1. To Provide a platform to the students towards attaining quality education in Mechanical Engineering.

2. To Educate students about professional & ethical responsibilities and train them to build leadership and entrepreneurship qualities for their career development.

3. To Create opportunities and guide students in acquiring career-oriented jobs in the field of Mechanical Engineering.

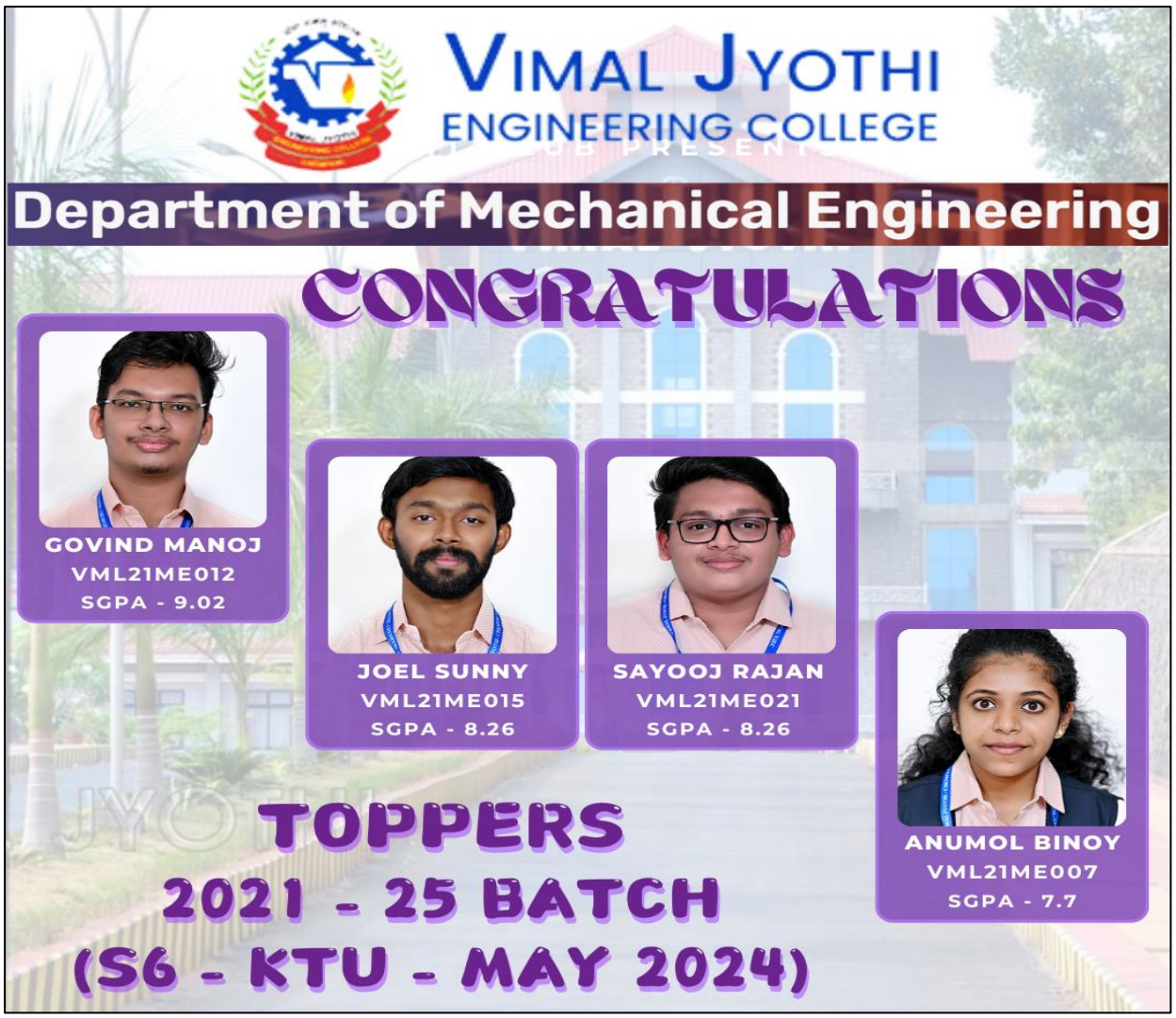
GRADUATION DAY - 2024

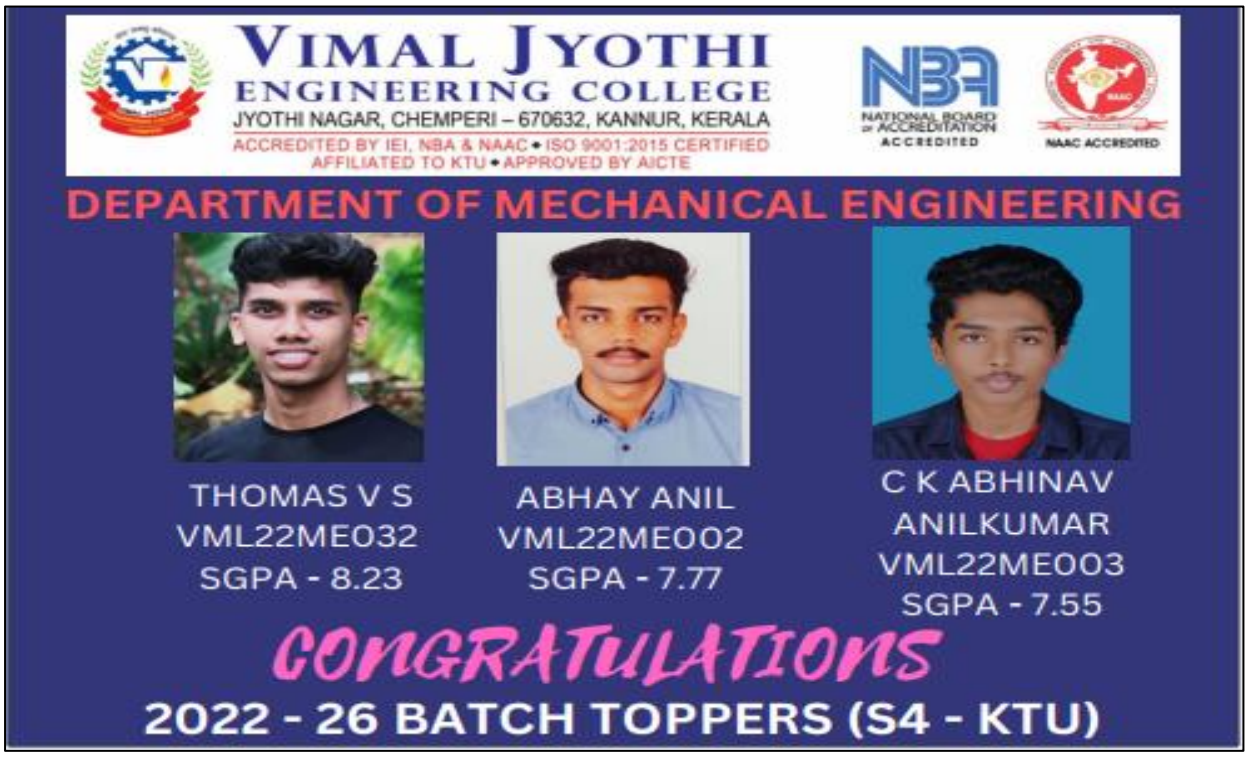
Graduation Day 2024 for the 2020-2024 batch of students was held on September 6, 2024, at the Msgr. Mathew M. Chalil Auditorium, VJEC. The event commenced with a Welcome Address by Dr. Benny Joseph, Principal of Vimal Jyothi Engineering College, followed by the Presidential Address delivered by Rev. Fr. Antony Muthukunnel, Chairman of VJEC. The lamp-lighting ceremony was accompanied by a graduation speech by Dr. Saji Gopinath, Vice Chancellor of APJ Abdul Kalam Technological University. The Chief Guest was honored by Rev. Fr. Lazar Varambakath, Bursar of VJEC, and the pledge was led by Rev. Fr. James Chellamkottu, Manager of VJEC. During the event, recognition was given to the top achievers, students earning minor degrees, students receiving honors degrees, as well as all graduating students.

JYOTHIRGAMAYA - 2024

The inauguration program for the 2024 BTech and MBA batches, 'Jyothirgamaya 2024,' took place on September 7, 2024, at 9:30 AM in the Msgr. Mathew M. Chalil Auditorium. The event began with a Welcome Speech by Rev. Fr. James Chellamkottu, Manager of VJEC, followed by the Presidential Address delivered by Msgr. Antony Muthukunnel, Chairman of VJEC. His Grace Mar George Njaralakatt delivered the Inaugural and Blessing Address. During the event, the toppers from each current batch were honored.

CLASS TOPPERS





CLASS TOPPERS

FACULTY ACHIEVEMENTS

1. Dr. Sreekanth M P reviewed one paper for the Emerald Rapid Prototyping Journal in August 2024 and another paper for the Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture (SAGE) in September 2024.

Dr. Sreekanth M P

STUDENT ACHIEVEMENTS

Mr. Subindh S (VML22ME031, S5 ME 2022-26 Batch) secured third position and a bronze medal in the 33rd Kerala State Senior Wushu Championship 2024, conducted by the Wushu Association of India at Kozhikode on 3rd and 4th September 20244.

FAREWELL

The Department of Mechanical Engineering bid a heartfelt farewell to Mr. Robin C R, Technician, in recognition of his exceptional contributions. Colleagues came together to extend their best wishes for his future, expressing appreciation for his dedication and the positive influence he has had on the team.

GLIMPSES OF ONAM CELEBRATION

Program Educational Objectives (PEO'S)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

PEO2: Graduates will have skills and knowledge to formulate, analyze and solve problems in mechanical engineering to meet global challenges.

PEO3: Graduates will be capable of pursuing mechanical engineering profession with good communication skills, leadership qualities, team spirit and professional ethics to meet the needs of the society.

PEO4: Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Program Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1: Ability to use advance design, modelling, analysis, manufacturing tools and techniques to provide a solution in mechanical engineering problems.

PSO2: Ability to design, develop, implement and manage a product development process.

Mr. Arunlal M P (Asst. Prof, ME)

Student Editors:

Mr. Sayooj Rajan (S7 ME), Mr. Joel Sunny (S7 ME)