

NIRVANA

DEPARTMENT OF MECHANICAL ENGINEERING
VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY, PUTTUR. 08251-234555



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BIANNUAL NEWSLETTER

Full Throttle: Revaan Racing Represents VCET at FKDC Season 9

EDITORIAL TEAM

Revaan Racing, the official motorsports team of Vivekananda College of Engineering & Technology, Nehru Nagar, Puttur-574203, proudly represented the institution at the prestigious **FMAE Formula Kart Design Challenge (FKDC) 2025 – Season 9**. The National-Level competition was held at Kari Motor Speedway, Coimbatore, from 10th to 15th October 2025.

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The event brought together 42 engineering teams from across India, challenging students to design, fabricate, and compete with a formula-style go-kart under stringent technical and safety standards. Revaan



Racing underwent rigorous preparation, including chassis design, vehicle dynamics analysis, braking and steering optimization, and multiple testing sessions to ensure peak performance and compliance with FMAE regulations.

The team successfully cleared technical inspections and competed in dynamic events such as acceleration, skid pad, autocross, and endurance. Demonstrating strong technical capability and teamwork, Revaan Racing secured an impressive 11th overall position among 42 participating teams nationwide.

This achievement reflects the team's dedication, engineering excellence, and competitive spirit. The Department of Mechanical Engineering congratulates Revaan Racing for bringing pride to the institution and setting a strong benchmark for future participation in National-Level motorsports competitions.

Vision

“To be a well-recognized department striving continuously by providing conducive environment for learning, leading to, creative and innovative Mechanical Engineers”

Mission

M1: Students: To prepare, educate, inspire and mentor the students to excel as Professionals.

M2: Faculty: To edify, encourage and support in academic and research activities.

M3: Infrastructure: To render facilities and infrastructure in the field of Mechanical Engineering.

M4: Teaching Learning: To improve pedagogical methods employed in delivering the academic Programs to the needs of the industry.

BIOMECHANICS

Mechanical engineering is revolutionizing healthcare by applying core mechanical principles to biological systems. This synergy has led to the development of advanced prosthetics and exoskeletons that restore independence to those with mobility impairments.

Furthermore, analyzing human movement through an engineering lens provides critical insights into body mechanics. These discoveries are paving the way for innovative treatments for conditions like arthritis and spinal cord injuries.



“BOLPU- A Dawn of Opportunities”

Vivekananda College of Engineering and Technology (VCET), Puttur, in association with the Department of Mechanical Engineering, Institution’s Innovation Council (IIC), Tulu Sangha, and the Entrepreneurship Development Cell (EDC), organized an inspiring program titled “BOLPU: A Dawn of Opportunities” at Savarkar Sabhabhavan on 21/07/2025.

The word BOLPU, meaning light, symbolizes growth, opportunity, and new beginnings. The initiative, supported by Hon’ble Member of Parliament for Dakshina Kannada, Captain Brijesh Chowta, aligns with the vision of Viksit Bharat and aims to nurture entrepreneurship by providing mentorship, funding support, visibility, and market access to aspiring innovators.

The event featured two eminent speakers – Mr. Vinyas Shetty, Civil Engineering Consultant and Political Activist with over 12 years of project management experience, and Mr. Karthik S Rai, Program Manager for BOLPU event. The speakers emphasized the importance of entrepreneurial thinking, problem-solving, and innovation for regional and national development.



The program commenced with a welcome address by Prof. Harish S. R., followed by floral felicitations to the dignitaries by Dr. Manujesh B. J., HoD of the Mechanical Engineering Department. Both speakers delivered thought-provoking talks, motivating students to explore entrepreneurship as a career path and contribute to nation-building.

An interactive Q&A session allowed students to engage with the experts on practical aspects of startups, funding, and mentorship. Mementos were presented to the guests as a token of appreciation.

The event concluded with a vote of thanks by Ms. Vaishnavi from the Mechanical Engineering Department, who expressed gratitude to the speakers, organizers, faculty, media team, and the enthusiastic student audience.

A Technical Talk on “Opportunities in Merchant Navy”

The Department of Mechanical Engineering hosted a technical talk on “Opportunities in Merchant Navy” on 20 August, 2025, at 10:00 AM in Classroom E102. The event was organized by the Mechanical Engineering Students’ Association (MESA).

The resource person for the session was Mr. Sandesh from SIMS, Cochin, who delivered an insightful presentation on various career options in the Merchant Navy. He emphasized the employment opportunities, skill requirements, training possibilities, and the global exposure provided by this field. His talk illuminated the promising career prospects for engineering graduates and encouraged students to explore maritime professions. The session was highly interactive, with students actively participating and clarifying their doubts about the selection process, training modules, and career progression in the Merchant Navy.

The program started with Dr. Manujesh B J formally introducing the chief guest, who also presented a memento as a token of appreciation. The event was confidently hosted by Ms. Vaishnavi V V, a final-year Mechanical Engineering student, who acted as the Master of the Ceremonies, while Ms. Varsha A B delivered the vote of thanks. Over 40 Mechanical Engineering students, along with MESA coordinators and faculty members, attended the event.



"Scientists study the world as it is; engineers create the world that has never been."

– Theodore von Kármán

A Talk on “Atmanirbhar Bharat Programs of Defence Sector and Operation Sindoor”

The Department of Mechanical Engineering at Vivekananda College of Engineering & Technology (VCET), in association with the Mechanical Engineering Students' Association (MESA) and the Institution's Innovation Council (IIC), organized a guest lecture on the theme “Atmanirbhar Bharat Programs of Defence Sector and Operation Sindoor” on Saturday, 13 September 2025 at Sir M. Visvesvaraya Hall. The keynote speaker for the event was Mr. Jayaprakash Rao K, Former Chief PRO of ADA Bangalore, Ministry of Defence, and Regional PRO of DRDO, New Delhi. In a powerful and insightful address, Mr. Rao emphasized the importance of the Make in India initiative in strengthening the country's indigenous manufacturing base in the defence sector. He praised ISRO's achievements in space technology and highlighted the DRDO's role in developing advanced, homegrown defence systems.



A key highlight of his talk was Operation Sindoor, which he described as a landmark moment where a majority of India's indigenous defence technologies were deployed successfully — a testament to the country's growing self-reliance in strategic and security domains.

The event was inaugurated with a welcome and introduction by Dr. Manujesh B. J., followed by the felicitation of the guest. The proceedings were hosted by Ms. Vaishnavi V. V., final-year Mechanical Engineering student, and concluded with a vote of thanks by Ms. Varsha A. B.

More than 60 students, along with faculty members and MESA coordinators, attended the session. The talk concluded with an interactive Q&A, where students gained valuable insights into India's defence preparedness and future opportunities for engineers in the sector. The program was widely appreciated for motivating students to contribute to the vision of Atmanirbhar Bharat.

“Drug Awareness & Prevention – Building Responsible Engineers for a Strong Nation”

An awareness program on “Drug Awareness & Prevention – Building Responsible Engineers for a Strong Nation” was organized by the Mechanical Engineering Students' Association (MESA), Department of Mechanical Engineering, Vivekananda College of Engineering & Technology (VCET), Puttur, on Wednesday at Savarkar Sabhabhavana, Krishna Chethana Block.

The program was conducted in association with the Anti Ragging Committee and Anti-Drug Committee of the institution with the objective of sensitizing students about the growing menace of drug abuse and its impact on individuals and society.

The resource person for the session, **Sri Lokesh C., Inspector of Excise, Puttur**, delivered an informative and thought-provoking address. He explained the legal provisions related to drug possession and trafficking, the severe physical and psychological consequences of substance abuse, and the long-term social implications affecting families and communities. He emphasized that youth play a crucial role in nation-building and must remain vigilant and disciplined to safeguard their future.

Highlighting real-life instances from his professional experience, he cautioned students about the traps of addiction and encouraged them to focus on career goals, moral values, and responsible citizenship. He also urged students to become ambassadors of awareness and actively contribute towards creating a drug-free campus and society.

The program was effectively compered by **K P Vaishavi**, who ensured the smooth conduct of the session. The resource person was formally introduced by **Namana**, who highlighted the achievements and service contributions of Sri Lokesh C. The session concluded with a heartfelt vote of thanks delivered by **Shamant K P** of 6th Semester Mechanical Engineering, who expressed gratitude to the resource person, faculty members, and students for their active participation and support.



"Machinery is the art of making things happen without having to do them yourself." – Thomas Edison

IISc GATE, JAM Outreach Session

The Department of Mechanical Engineering, in collaboration with the Mechanical Engineering Students' Association (MESA) and the Alumni Cell of Vivekananda College of Engineering & Technology (VCET), organized an IISc GATE-JAM Outreach Program at Savarkar Sabhabhavana on Monday, 22/09/2025 at 12:00 PM.

The session featured Mr. Puneeth Kumar D, Project Scientist at the Indian Institute of Science (IISc), Bengaluru, and a proud alumnus of VCET, as the resource person. The program began with a warm floral welcome by Dr. Manujesh B. J., Head of the Department of Mechanical Engineering, followed by an introduction of the guest by Mr. Swasthik. Mrs. Vaishnavi V. V. skillfully compered the event.

In his address, Mr. Puneeth Kumar introduced students to the academic environment and research culture at IISc Bengaluru. He explained the significance of GATE and JAM examinations, their role in unlocking opportunities for higher studies and research, and emphasized the need for a structured approach to preparation. His motivational insights encouraged students to pursue competitive exams as a pathway to academic excellence and professional growth.

The session concluded with a vote of thanks by Mr. Hariprasad, who acknowledged the efforts of the speaker, dignitaries, faculty members, and student organizers. The program saw active participation from over 200 students across various branches, with MESA coordinators Prof. Harish S. R. and Prof. Naveen S. P. also present.

The event was well-received and proved highly informative, offering students a clear understanding of career pathways through GATE and JAM, while also reinforcing strong alumni-institute connections.



A Milestone in Excellence: Mechanical and Civil Engineering Departments Achieve NBA Accreditation



Excellence Recognized: VCET Attains NBA Accreditation

The Mechanical Engineering (ME) and Civil Engineering (CV) departments of Vivekananda College of Engineering & Technology (VCET) have reached a significant landmark in their pursuit of academic excellence. Following a rigorous evaluation, both departments have been officially **accredited by the National Board of Accreditation (NBA) until January 2028**.

From 28th to 30th November 2025, the ME Department hosted a distinguished NBA expert team for a comprehensive three-day evaluation. The visit involved deep interactions with faculty, students, alumni, and supporting staff to assess the quality of the program.

Key Highlights from the Evaluation:

- **Academic Strength:** The team noted a healthy student enrollment ratio and found the Student-Faculty Ratio (SFR) to be adequate for effective mentoring.
- **Institutional Stability:** A particularly encouraging observation was the high rate of faculty retention, reflecting a stable and positive academic environment.
- **Career Success:** The department was commended for its consistent placement performance and its ability to prepare students for industry demands.
- **State-of-the-Art Facilities:** Evaluators acknowledged the quality of infrastructure and laboratories, which are well-equipped to support practical learning and research.

The atmosphere throughout the visit was professional and collaborative, concluding on a highly motivating note. With this accreditation, the Mechanical and Civil Engineering departments reaffirm their dedication to nurturing competent, industry-ready engineers while upholding the highest academic standards through 2028.

"To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the mechanical engineer, the glass is twice as big as it needs to be." – Adrian Bejan