

# DEPARTMENT OF MECHANICAL ENGINEERING



## NEWS LETTER

**MECHATRON ' 2024 – 2025 (EVEN SEM)**

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## **Shri.V.S.Balsamy, B.Sc., L.L.B.,**

Shri.V.S.Balsamy, B.Sc., L.L.B., a leading luminary, has 31 years of bright standing in the field of law. He is the recipient of “Indira Gandhi Sadhbavana Award” from Global Economic Council, New Delhi. He was also honoured with “The Best Humanitarian Award” in 2005. He is the Founder Trustee of VSB Educational Trust, built in the year 2000. He initiated the education foundation and established engineering Colleges named VSB institutions. As the Chairman of VSB Group of Institutions, he lays emphasis on ‘Hard work’, and Strongly believes that ‘Hard work is the key to success’, it is conceived as the motto of the Institutions.



**Dr. T. Venkatajalapathi**  
**HoD/Mechanical**

The Department of Mechanical Engineering is dedicated to producing skilled, innovative, and socially responsible engineers equipped to meet the challenges of modern industry. The department emphasizes a strong foundation in core areas such as thermodynamics, fluid mechanics, manufacturing processes, materials science, and machine design. With well-equipped laboratories, advanced software tools, and hands-on project opportunities, students gain both theoretical knowledge and practical experience. Faculty members are actively involved in research, industry collaboration, and mentorship, ensuring that students are exposed to

## VISION AND MISSION STATEMENTS OF THE INSTITUTE

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### VISION

We endeavor to impart futuristic technical education of the highest quality to the student community and to inculcate discipline in them to face the world with self-confidence and thus we prepare them for life as responsible citizens to uphold human values and to be of services at large. We strive to bring up the Institution as an Institution of Academic excellence of International standard

### MISSION

We transform persons into personalities by the state-of-the-art infrastructure, time consciousness, quick response and the best academic practices through assessment and advice.

## VISION AND MISSION STATEMENTS OF THE DEPARTMENT

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### VISION

To be recognized as a Centre of Excellence in Mechanical Engineering Education and Research.

### MISSION

**M1:** To impart quality education to the students with practical exposure by developing linkages with industries.

**M2:** To enhance the students' skills through imparting fundamental principles in Mechanical Engineering to make them globally competitive Mechanical Engineers and to prepare them for diverse careers.

**M3:** To motivate students to excel by augmenting their entrepreneurial skills to serve the society better.

**M4:** To promote research activities through encouraging the faculty members and students to do innovative projects, attend conferences, development programs and to accomplish publications on emerging trends

## **PEO, PO AND PSO STATEMENTS**

### **Program Educational Objectives ( PEOs ):**

**PEO1:** Graduates will be a technically advanced workforce as successful professionals in the wide range of Mechanical Engineering and related fields.

**PEO2:** Graduates will be effective collaborators and innovators, leading in efforts to address social, technical and business issues

**PEO3:** Graduates will engage in life-long learning and professional development through self-study, continuing education or graduate and professional studies in engineering and business.

## Program Outcomes (POs):

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. 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.
3. 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.
4. 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.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. 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.

7. 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.

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

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

10. 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.



11. 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.

12. 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** – Enable the students to design, analyze and evaluate the mechanical engineering components through innovative projects.

**PSO2** – Enable the students to take up career in prominent industries or to pursue higher studies in mechanical and interdisciplinary programs with high regard for ethical values, environmental and social issues.



# Certification Course by Faculty

S.No	Name of the Faculty	Title of the Program	Organizing Institute	Date
1	Mr. N. Parthiban	Advanced Machining	NPTEL-Swayam	Jan-Apr 2025






S.No	Name of the student	Title of the Program	Organizing Institute	Date
1	V.Dhanush	Fundamentals of Automotative Systems	NPTEL-Swayam	Jan-Apr 2025
2	M.Deventhiran	Product Design And Manufacturing	NPTEL-Swayam	Jan-Apr 2025
3	R.Prasanth	Aerospace Structural Analysis	NPTEL-Swayam	Feb-Apr 2025



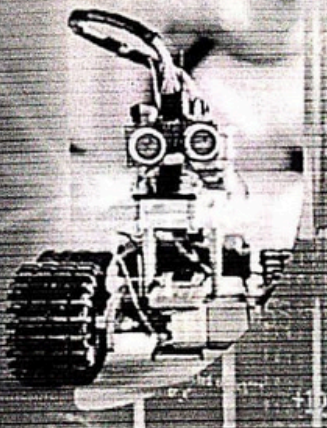


# ROBOTICS CLUB

 **V.S.B. COLLEGE OF ENGINEERING**  
**TECHNICAL CAMPUS**  
(AN AUTONOMOUS INSTITUTION)  
GOIMBATORE


 


**ROBOTICS CLUB**  
ORGANIZES



**A WEBINAR ON  
ROBOTICS  
AND THE FUTURE OF  
AUTOMATION**  
29-01-2025 | 03.30 P.M. - 04.30 P.M.

**Dr. L.D. Vijay Anand**  
Assistant Professor (S.G.)  
Department of  
Robotics Engineering  
Karunya University,  
Coimbatore



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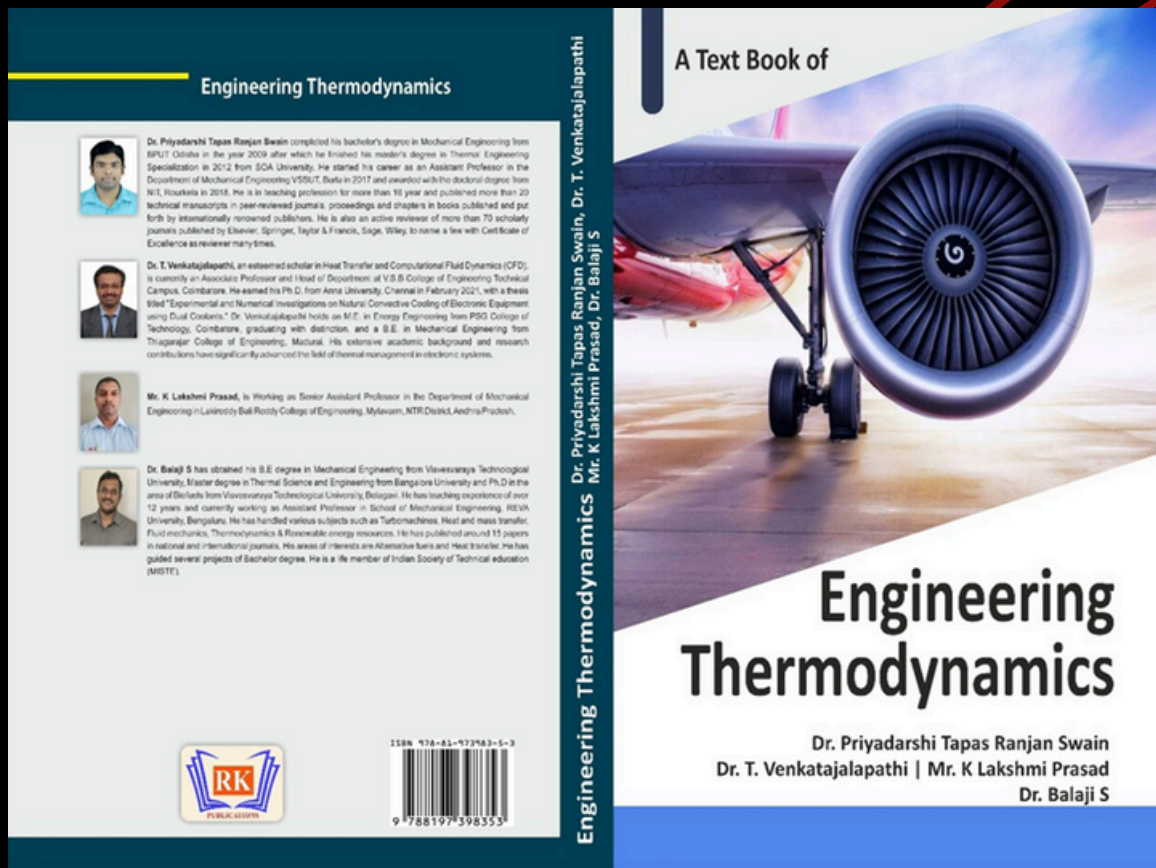
# Student's Placement Details

S.No	Name of the Student	Company Name
1	ARUN KRISHNAN M	ROBERT BOSCH
2	BALA SUBRAMANIANG	DAIJO Pvt.Ltd
3	EZHIL SARATHY MS	ROBERT BOSCH
4	KARTHIK N	DAIJO Pvt.Ltd
5	LOGESH N	DAIJO Pvt.Ltd
6	RAMESH KANNAN P	ELEATION

7	RAMSIVAM B	ROBERT BOSCH
8	SANJAY KUMAR N	DAIJO Pvt.Ltd
9	AJAY AADHIRAAJ.V	CAPGEMINI
10	YAVINDRAPRABHU N	REDLANDS



# FACULTY MEMBERS PUBLISHED BOOKS





THANK  
YOU

