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Department of Mechanical Engineering

“MechVision” Technical Magazine

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Dear Readers,

It is with great pleasure that I welcome you to this edition of **MechVision**, the official technical magazine of the **Department of Mechanical Engineering**. This platform continues to serve as a vibrant canvas for the creativity, curiosity, and technical acumen of our students, faculty, and alumni.

Mechanical Engineering, long regarded as the backbone of innovation, is evolving rapidly. From robotics and additive manufacturing to sustainable energy systems and computational mechanics, the field is expanding in both depth and scope. This magazine aims to reflect that dynamism by showcasing the groundbreaking work and fresh ideas emerging from our department.

In this issue, you will find a blend of research articles, project highlights, technical case studies, and opinion pieces. We feature cutting-edge developments such as the integration of AI in predictive maintenance, experimental fluid dynamics studies, and the use of simulation tools in thermal system design. Our student contributors have also explored real-world applications through industry internships and interdisciplinary projects.

Beyond technical content, MechVision also celebrates the human side of engineering—interviews with inspiring alumni, faculty achievements, student milestones, and department initiatives that foster innovation and collaboration.

As we continue to push boundaries in mechanical engineering, this magazine stands as a testament to our department's commitment to excellence, learning, and progress. I extend my sincere thanks to all contributors, reviewers, and the editorial team whose dedication has brought this publication to life.

We hope this edition informs, inspires, and invites you to be part of the ever-evolving story of mechanical engineering.

Warm regards,

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