



Department Achievement Report

The Department of Aeronautical Engineering, Gopalan College of Engineering and Management (GCEM) achieved a significant national-level accomplishment through student participation in the **7th National Aerospace Conceptual Design Competition (NACDeC-VII)**, organized by the **Design Division of The Aeronautical Society of India (AeSI)**.

The **problem statement for NACDeC-VII**, formulated with inputs from the **Indian Space Research Organisation (ISRO)** and **sponsored by Autodesk**, challenged participating teams to undertake a rigorous **aerospace conceptual design problem**, emphasizing mission feasibility, system-level design, and multidisciplinary engineering analysis. This provided students with exposure to a real-world, industry-relevant aerospace design challenge.

The GCEM student team successfully secured the **2nd Runner-Up position** at the national level and was awarded a **cash prize of ₹25,000**. The **final presentation and evaluation were conducted on 31st August 2024**, where the team presented their design before a panel of eminent experts from academia and industry. The competition witnessed participation from reputed engineering institutions across India, highlighting the competitive nature of the achievement.

The students demonstrated strong competence in **conceptual design methodology, analytical reasoning, and application of aerospace engineering principles**. The team was guided by **Mr. Suprith M, Assistant Professor, Department of Aeronautical Engineering**, whose mentorship played a crucial role in the successful outcome.

This achievement reflects the department's continuous efforts toward **experiential learning, innovation-driven education, and student participation in national-level technical competitions**, thereby enhancing the academic reputation of the department and the institution.

References / Evidence Links

1. **NACDeC-VII Official Event Page (includes event details, problem statement notice, and photographs):**
<https://www.nacdec.in/previous-nacdecs/nacdec-vii>
2. **NACDeC Testimonials Page (student and institutional acknowledgements):**
<https://www.nacdec.in/testimonials>

Students Details:

Mentor: Suprith M

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1GD21AE012	GUDALKAR PRATISH
1GD21AE018	KIRAN KUMARI BHATT
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1. SHASHANK P 2. KIRAN KUMARI BHATT 3. GUDALKAR PRATISH 4. GOWTHAM Y V
5. Prof. RAJKUMAR PANT, Convener, IIT, Bombay. 6. Prof. SUPRITH M, Mentor. 7. SHEKAR G C

