



इलेक्ट्रॉनिकी एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
**ELECTRONICS AND  
INFORMATION TECHNOLOGY**

## Boot-Camp & Hands-on Workshop on “Drone Design and Aeromechanics with Practical Flight Training”

13<sup>th</sup>-17<sup>th</sup> April 2026

by



Organized by

Department of Mechanical Engineering  
Lendi Institute of Engineering and Technology  
Vizag-Vizianagaram, Denkada, Jonnada,  
Andhra Pradesh 535005



Approved by AICTE & Permanently Affiliated to  
JNTU Gurajada, Vizianagaram  
NAAC ‘A’ GRADE , NBA TIER-I

In association with



Department of Mechanical Engineering  
NIT Rourkela

### About the Institute

*Lendi Institute of Engineering & Technology is a premier institute, established in 2008 by a divine body of committed intelligentsia under the aegis of Sai Dhamam Educational Trust of Visakhapatnam to cater to the needs of young graduates of technology. It is on the national highway near both Vizag and Vizianagaram, having a lush green campus with an eco-friendly environment. Its vision is to produce globally competent and quality technocrats with human values for the holistic needs of industry and society. Ours is an Autonomous College that is spread in all directions with a strength of over 4000 students and over 200 faculty. College is accredited by NAAC with "A" Grade, NBA under Tier 1 and permanently affiliated to JNTUGV, Vizianagaram. Lendi offers MECH, ECE, EEE, CSE, CSM, CSSE & CSIT branches.*

### About the Programme

*A Boot Camp Training programme on Drone Technology is an intensive, hands-on training designed to provide participants with practical knowledge of unmanned aerial systems (UAS). The programme typically covers drone fundamentals, components, flight mechanics and regulations governing drone operations. Participants gain experience in drone assembly, calibration and real-time flight training using industry-standard platforms. Advanced modules may include aerial mapping, surveying, photography, and data analysis. The boot camp also emphasizes safety practices, maintenance, and troubleshooting techniques. Overall, it equips learners with the skills required for applications in agriculture, surveillance, disaster management, and industrial inspection.*

### Boot Camp Contents

**UAV&AI Fundamentals-** Introduction to drone architectures and AI-driven aerial systems.

**Materials, Design and Analysis Communication & Localization** - Inter-drone communication protocols and intelligent positioning techniques.

**Hands-on Practice** - Simulation tutorials, control demonstrations, and practical exercises.

**DGCA rules and security** - Securing drone systems and exploring next-gen AI applications.

### Venue

DEPARTMENT OF MECHANICAL ENGINEERING,  
MAHATMA GANDHI BLOCK  
Lendi Institute of Engineering and Technology Vizag-  
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### Chief Patrons

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Dr. V. V. Rama Reddy, Principal, LIET, Vizianagaram

### Convenor

Dr. Satish Pujari, Prof & Head-Mech, LIET-Vizianagaram

### Faculty Co-ordinators

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Mr. N. Santosh Naveen

Assistant professor, MECH -LIET,  
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### Registration Link -

[https://docs.google.com/forms/d/1h0vaKu9wzqKPMYaGpWAJPWExQOyC3IyK1HnUg6Vtikg/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1h0vaKu9wzqKPMYaGpWAJPWExQOyC3IyK1HnUg6Vtikg/viewform?edit_requested=true)

### Registration QR Code -



### Organizing Committee

Dr. K. Shridhar, Professor

Dr. K.Ch. Sekhar, Professor

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Dr.K.V.KoteswaraRao, Associate Professor

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### Student Co-ordinators

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