



VEL TECH[®]

Dr.RR & Dr.SR

TECHNICAL UNIVERSITY

University u/s 3 of UGC Act, 1956

VEL TECH RANGARAJAN Dr.SAGUNTHALA
R&D INSTITUTE OF SCIENCE AND TECHNOLOGY



Announces M.Tech Admissions



The Unmanned Aerial Vehicles made vivid impact in many areas importantly aerial photography, search and rescue, surveillance and reconnaissance, precision agriculture, air sampling, power line and telecom tower inspection. The unmanned systems industry is presently having tremendous growth as a result there is an increased demand for unmanned vehicle systems designers. Our 2 year M.Tech Programme in Aeronautical Engineering with specialization in Unmanned Aerial Vehicle offered in Collaboration with UCAL-JAP SYSTEMS LTD. is created in such a way that the graduate engineers will gain sufficient knowledge and skills to develop their own Unmanned systems for typical applications and need. In the first year, students will have ample opportunity to learn the advanced technology pertaining to UAV's at Vel Tech University campus Chennai. In the second year, they will be deputed to UCAL-JAP SYSTEMS LTD. and abroad universities to pursue their projects. Graduates of the program are expected to be industry ready while completing the course.

M.Tech–Aeronautical Engineering (Unmanned Aerial Vehicle)

FIRST YEAR AT VEL TECH

SEMESTER I

- ❖ Mathematics for Aeronautical Engineers
- ❖ Aircraft Engineering
- ❖ UAV System Design
- ❖ Embedded Systems and Programming
- ❖ Introduction to Avionics
- ❖ UAV Dynamics and Control

PRACTICAL

- ❖ Embedded Systems Lab
- ❖ UAV Systems Lab

SEMESTER II

- ❖ Computer Aided Engineering and Design Optimization
- ❖ UAV Navigation Guidance and Control
- ❖ Sensors, Actuators and Data Acquisition
- ❖ UAV Materials and Fabrication Methodologies

- ❖ Elective – I
- ❖ Elective – II

PRACTICAL

- ❖ Autopilot Design Lab
- ❖ Computer Aided Engineering Lab

SECOND YEAR AT UCAL JAP

SEMESTER III

- ❖ Project Management
- ❖ Research Project phase I

SEMESTER IV

- ❖ Professional Ethics and Human Values
- ❖ Research Project phase 2
- ❖ Journal / Conference

PROJECT WORK:

The students will carry out their project work at reputed Industries, National/ International Research Laboratories / Universities such as,



TamKang University,
Taiwan



National Ilan University,
Taiwan.



National University of Tainan,
Taiwan.



POLYTECH[®]
The Polytech Orleans,
France



National Aeronautical laboratory,
Banglore

SELECTION PROCEDURE:

Based on the candidates performance in entrance exam & personal interview.

ELIGIBILITY

B.E/B.Tech in Aeronautical, Aerospace, Automobile, Mechanical, Civil, Mechatronics, ECE, EEE, E&I or its equivalent.

For Fees and others details please visit our website.

ENTRANCE EXAMINATION & PERSONAL INTERVIEW WILL BE CONDUCTED DURING THE MONTH OF JUNE / JULY. CLASSES WILL COMMENCE IN AUGUST

HOW TO APPLY: APPLICATION FORMS CAN BE DOWNLOADED FROM THE WEBSITE www.veltechuniv.edu.in OR CAN BE OBTAINED BY CONTACTING:

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E-mail :veltech@vsnl.com

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CITY OFFICE: #34, Gandhi Mandapam Road,
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