

QUAD CHAMP 2K17

Highlights of the Quad Champ

- Introduction to Quad copter.
- Introduction to design & concepts of Embedded Systems behind the Quad copter.
- Understanding the Electronics circuit, Fabrication, Calibration & Testing of Quad copter.
- Learning about the working of various sensors, and controllers.
- Hands-on experience on building own quad copter by designing, manufacturing, programming and testing their own Quad copter.
- Participation Certificate from MLRIT COE EMBEDDED SYSTEMS AND ROBOTICS

FUNCTIONAL AREAS TO BE DISCUSSED IN THE WORKSHOP

DAY-I(11-08-2017)

BATCH -I

Session 1 (10:00am to 12:30pm)

- Introduction to Quad copter
- Types of Quad copter
- Basic Electronic components

Session 2 (1:20pm to 4:00pm)

- Mechanical structure design using CATIA software
- Manufacturing the Quad copter by using the design which is designed by the participant in CATIA software..
- Build and test your own Quad Copter.
- Understanding rotary wing aircraft and their dynamics.
- Stability and control of Quad copter.

DAY-II (12-08-2017)

BATCH-II

Session 1 (10:00am to 12:30pm)

- Introduction to Quad copter
- Types of Quad copter
- Basic Electronic components

Session 2 (1:20pm to 4:00pm)

- Mechanical structure design using CATIA software
- Manufacturing the Quad copter by using which is designed by the participant in CATIA.
- Build and test your own Quad Copter.
- Understanding rotary wing aircraft and their dynamics.
- Stability and control of Quad copter.

DAY-III (15-08-2017)

Quad champ Challenge for students participated for Quad Copter Workshop.

Certificate and Prize distribution.

EVENT NAME: QUAD CHAMP 2K17

VENUE:

COE EMBEDDED SYSTEMS AND ROBOTICS Mechanical Engineering Department

MLR INSTITUTE OF TECHNOLOGY, HYDERABAD.



“QUAD CHAMP” workshop on Quad copter and Challenge.

COE EMBEDDED SYSTEMS AND ROBOTICS Mechanical Engineering Department is conducting certification workshop on QUADCOPTER for students in State level on **11/08/2017** and **12/08/2017** and challenge on **15/08/2017**.

Entry fee per student is **Rs. 100**.

Team should be of four in number.

Registrations will start from Tuesday i.e., 01/08/2017 and close on 08/08/2017 Tuesday 3:00 pm.

Mode of registration through net banking only:

A/C NO: 06962320000335

BANK: HDFC BANK

BRANCH: PETBASHEERABAD

IFSC CODE: HDFC0000696

Application Form and receipt or printout of the paper should scan and sent to the mail id : quadchamp@mlrinstitutions.ac.in

For Further Details Contact:

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MARRI LAXMAN REDDY MLR INSTITUTE OF TECHNOLOGY
GROUP OF INSTITUTIONS

QUAD CHAMP 2K17 REGISTRATION FORM

Name of the Team :

1. Name of the Student 1 :
Name of the Student 2 :
Name of the Student 3 :
Name of the Student 4 :

2. Student Roll no :
Student Roll no :
Student Roll no :
Student Roll no :

3. Mobile :
Mobile :
Mobile :
Mobile :

4. Mail id :
Mail id :
Mail id :
Mail id :

5. College Name :

6. College Address :

Signature (QUAD CHAMP 2K17 Co-Ordinator)