

# AEROGO

LEARN . BUILD . EXPLORE

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## UPSKILL

Your engineers with

# AEROMODELLING & DRONE TRAINING



900+

TRAINED ENGINEERING  
STUDENTS

300+

BUILT RC AIRCRAFT &  
GLIDERS

8+

PARTNERED  
EDUCATIONAL  
INSTITUTES

# SKILL DEVELOPMENT CUM INTERNSHIP PROGRAM

## NEP 2020 INITIATIVE

01



### DESIGN CALCULATION & SIZING OF UAVS

THE STUDENTS WILL BE GIVEN AN IN-DEPTH KNOWLEDGE OF THE BASICS OF AEROMODELLING AND HOW TO SIZE THE DESIGN OF AN UAV.

### 3D MODELLING OF UAV IN USING DESIGN SOFTWARES

THE STUDENTS DEVELOP THE AIRCRAFT MODELS ON DESIGN SOFTWARE AFTER THE COMPLETION OF SIZING.



02

03



### ANALYSING THE DESIGN WITH ANALYSIS SOFTWARES

TO VALIDATE THE DESIGN PARAMETERS WE HELP STUDENTS TO ANALYSE THE PERFORMANCE OF THE DESIGN.

### FABRICATION / MANUFACTURING OF UAV

HANDS ON PRACTICAL KNOWLEDGE IS SOMETHING VERY CRUCIAL FOR AN ENGINEER AND WE GIVE THEM THE EXPERIENTIAL LEARNING.



04

05



### LEARN THE PILOTING SKILLS WITH SIMULATOR PRACTICE

DO YOU DREAM TO BE AN PILOT? YOU ARE AT THE RIGHT PLACE, GRAB THE JOYSTICKS AND TAKEOFF.

# BENEFITS OF

## Skill development program

### Designing and Analysis skills

Students will be capable enough to design their own fixed-wing RC Aircraft and analyze their performance.

### Fabrication skills

Students will be given hands-on training to fabricate fixed-wing RC Aircraft and learn the manufacturing skills.

### Piloting skills

One will get kickstarted into the field of piloting to witness the joy of flying aircrafts.

### AERONUTS STUDENT CIRCLE

Get access to our student circle and get regular updates about the UAV industry and events.

### INTERNSHIP

Students who perform well during the training program will get a chance to intern with AERONUTS and other drone companies.

Number of training hours

40+

Number of training kits

5S-1

Minimum student requirement

50

## Get the quote



+91 9591642984

# ONE DAY WORKSHOP ON GLIDERS

Learn the Basics of Aircraft and Aeronautics. Learn to make your balsa chuck glider. Boost your curiosity into the field of Aeronautics with Aeromodelling. Develop interpersonal skills like problem-solving, critical thinking, teamwork, and creativity.



## FOCUS PROGRAM

### MORNING SESSION

- Introduction to Aeromodelling and Aeronautics.
- Basics of Aeronautics.
- Basics of Glider.
- Parts of an Aircraft.
- Different systems of an aircraft.
- Aerodynamics of a glider.

### AFTERNOON SESSION

- Designing a glider.
- Sizing the glider.
- introduction to various aeromodelling materials
- Fabricating a glider.
- Launching of gliders.

8

Number of training hours

1S-1

Number of training kits

80

Minimum Number of students

Get the quote



+91 9591642984

1 students build 1 glider

# TWO DAY RC PLANE WORKSHOP

Aero sports is an amazing hobby and a career option for any engineer to pursue and here we bring the glimpse and joy of building scaled model aircraft.



## FOCUS PROGRAM

### DAY 1

- Introduction to RC Aircraft
- Types of RC Aircraft.
- Parts of aircraft and their function
- Principal of flight
- Forces acting on RC Aircraft.
- How to design a trainer RC Aircraft.
- Manufacturing of RC Aircraft.

### DAY 2

- Manufacturing of RC Aircraft.
- Basics of electronics.
- Introducing the working of transmitter and receiver.
- Actual simulator practice for flying RC Aircrafts.

16

Number of training hours

5S-1

Number of training kits

80

Minimum Number of students

Get the quote



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Group of 5 students build  
1 RC Aircraft

# 2 DAY DRONE WORKSHOP

This workshop helps participants to develop a Quadcopter project from scratch while understanding the various engineering concepts in making a working Unmanned Aerial Vehicle. Developing a Quadcopter provides the right kind of hands-on application that an Engineering student needs!



## FOCUS PROGRAM

### Topics Covered

- Multirotor Vehicles - Introduction
- Understanding rotary-wing aircraft and their dynamics
- Design of the Structure
- Stability & Control of Drones
- Algorithm of the control systems.
- Flying and simulator practice with drone.

### Course Highlights

- Build and Test your own Quadcopter
- Introduction to design and development of Multi Rotor Vehicles
- Understanding the Electronics circuitry involved in Quadrotor
- Learn about the Stability and Control of Drones
- Learn about the working of sensors like Accelerometer and Gyroscopes
- Hands-on experience with BLDC motors, ESCs (Electronic Speed Controllers), and Quadcopter Embedded control board.

**DAY 1:** Theoretical knowledge of drones, DGCA rules and regulations, Drone assembly, Simulator Practice

**DAY 2:** Drone assembly, soldering, Introduction to mission planner, Calibration, and setup, Simulator practice and drone flying with students

**Group of 5 students build  
1 Drone**

**Get the quote** → +91 9591642984

# AIRSHOW

"Experience the thrill of the skies at the RC Airshow - a spectacular Airshow featuring RC planes, sport planes, FPV, and drones. Witness gravity-defying stunts, precision flying, and exhilarating aerial displays that will leave you breathless. Join us for a captivating event that celebrates the excitement and artistry of remote-controlled aviation."

## FOCUS PROGRAM



**RC AIRCRAFT**



**RC AEROBATICS**



**DRONE**



**FPV RACING**

Student exhibition | Model demonstration | RC Flying | Racing

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# OUR WORKS



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# OUR ESTEEMED PARTNERS



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## SKILL DEVELOPMENT CUM INTERNSHIP PROGRAM

The drone and RC Aircraft curriculum is prepared as per the NEP2020 requirements.



## TWO DAYS RC PLANE WORKSHOP

The students learn to design and fabricate the fixed wing RC Aircraft as a team.



## ONE DAY GLIDER WORKSHOP

The students learn to design and fabricate the balsa wood gliders individually.



For more info  
**SCAN HERE !**

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