DAYALBAGH EDUCATIONAL INSTITUTE
(DEEMED TO BE UNIVERSITY)
DAYALBAGH, AGRA-282005

INVITING REGISTRATION FOR BOOTCAMP
ON
UNMANNED AERIAL SYSTEM

JUNE 1st, 2023 - JUNE 15th, 2023

" INVENTING NEW SOLUTIONS "

REGISTRATION OPEN:
APRIL 15th, 2023
MAIL US ON:
droneteam@dei.ac.in

ABOUT BOOTCAMP

Dayalbagh Educational Institute (Deemed to be University), Agra is organizing a bootcamp training program for capacity building for human resource development in Unmanned Aircraft Systems (guidance, navigation, and control) in India. Participants in the bootcamp will have the opportunity to learn about the latest drone technologies and gain practical experience in designing, building, and piloting drones.

Bootcamp Outline

- Theory concepts and Hands-on Session (Operation/ Assembly/ Testing) in various Drone:
  - ☑ Surveillance
  - ☑ Agri-Drone
  - ☑ Videography & Photography
  - ☑ High Payload
  - ☑ Hexacopter
  - ☑ Octocopter
  - ☑ Coaxial
  - ☑ Heli-Drone
  - ☑ Underwater drones
  - ☑ Fixed Wings UAV
  - ☑ Hybrid(Fixed and Multirotor)
  - ☑ Bionic Bird
  - ☑ Wooden drone
  - ☑ Chanting drone
  - ☑ Tethered drone
  - ☑ Mapping & Sparing drone
  - ☑ Delivery drone
  - ☑ Formation of Pentagon by drone
  - ☑ Air Quality Monitoring system by drone
- At the end of the workshop, each participant will get a certificate.

Who can join ?

- Anyone can join and start your learnings.

Register Now

https://forms.gle/JAETZmrzoSY1Fbdy9

Last date to apply 25th May, 2023

Registration charges

DEI students: 750/-
Other's :   2500/-
(Inclusive of GST)

Contact details

Mr. Amarjeet Singh Chauhan   (+91 7248132510)
Mr. Gur Prtap Kalra   (+91 7014682126)
Mr. Saurav Sikarwar   (+91 8449333392)
Mr. Mohak Setia   (+91 7408775231)
Dr. Ravindra Bhardwaj   (+91 8949997189)

For any query: droneteam@dei.ac.in
Visit our website: https://www.dei.ac.in

Venue: Dayalbagh Educational Institute, Dayalbagh Agra - 282005

PROGRAMME SCHEDULE

DATE	TOPIC	NAME
	INAUGURATION	
DAY -1 (01-06-2023) 07:00am-12:00PM	• HISTORY AND EVOLUTION OF DRONE TECHNOLOGY • TYPES OF DRONES AND THEIR APPLICATIONS • SAFETY GUIDELINES AND REGULATIONS • HANDS ON PRACTICE	MR. AMARJEET SINGH CHAUHAN
DAY -2 (02-06-2023) 07:00am-12:00PM	• OVERVIEW OF DRONE COMPONENTS AND HOW THEY WORK • BASIC MAINTENANCE AND TROUBLESHOOTING TECHNIQUES • BEST PRACTICES FOR DRONE CARE AND STORAGE • HANDS ON PRACTICE	MR. AMARJEET SINGH CHAUHAN
DAY -3 (03-06-2023) 07:00am-12:00PM	• UNDERSTANDING DIFFERENT FLIGHT MODES AND THEIR USES • BASIC NAVIGATION TECHNIQUES FOR DRONES • HANDS-ON PRACTICE WITH DRONE FLIGHT SIMULATION SOFTWARE	MR. AMARJEET SINGH CHAUHAN
DAY -4 (04-06-2023) 07:00am-12:00PM	• OVERVIEW OF DIFFERENT TYPES OF SENSORS USED IN DRONES • HOW TO CAPTURE HIGH-QUALITY IMAGES AND VIDEOS WITH A DRONE • HANDS-ON PRACTICE WITH DRONE IMAGING SOFTWARE	MR. RAVINDRA BHARDWAJ
DAY -5 (05-06-2023) 07:00am-12:00PM	• INTRODUCTION TO DRONE MAPPING AND SURVEYING TECHNIQUES • UNDERSTANDING HOW TO USE UAV FOR TOPOGRAPHICAL SURVEYS AND MAP MAKING • HANDS-ON PRACTICE WITH DRONE MAPPING SOFTWARE	MR. GURU PRATAP KALRA
DAY -6 (06-06-2023) 07:00AM-12:00PM	• OVERVIEW OF INDOOR AND OUTDOOR DRONE APPLICATIONS • UNDERSTANDING HOW UAV ARE USED IN AGRICULTURE, CONSTRUCTION, MINING • HANDS ON HANDS-ON PRACTICE WITH INDOOR AND OUTDOOR DRONE FLIGHTPRACTICE	DR. SARIKA SINGH
DAY -7 (07-06-2023) 07:00am-12:00PM	• OVERVIEW OF DRONE SOFTWARE AND PROGRAMMING LANGUAGES • HANDS-ON PRACTICE WITH PROGRAMMING AND CONTROLLING A DRONE	DR. SARIKA SINGH / MR. RANJEET KUMAR (INDUSTRY EXPERT)
DAY -8 (08-06-2023) 07:00am-12:00PM	• UNDERSTANDING EMERGENCY PROCEDURES FOR DRONES • IDENTIFYING AND TROUBLESHOOTING COMMON SAFETY ISSUES • HANDS-ON PRACTICE WITH EMERGENCY RESPONSE SCENARIOS	MR. SAURAV SIKAWAR
DAY -9 (09-06-2023) 07:00am-12:00PM	• OVERVIEW OF DRONE REGULATIONS AND LEGAL ISSUES • UNDERSTANDING HOW TO OBTAIN A COMMERCIAL DRONE LICENSE • HANDS-ON PRACTICE WITH COMPLYING WITH DRONE REGULATIONS	MR. SURAV SIKARWAR
DAY -10 (10-06-2023) 07:00am-12:00PM	• UNDERSTANDING THE IMPORTANCE OF PLANNING AND LOGISTICS IN DRONE OPERATION • DEVELOPING A MISSION PLAN FOR A DRONE OPERATION • HANDS-ON PRACTICE WITH MISSION PLANNING AND LOGISTICS SOFTWARE	MR. SAURAV SIKAWAR/ MR. ADITYA MITTAL (INDUSTRY EXPERT)
DAY -11 (11-06-2023) 07:00am-12:00PM	• INTRODUCTION TO REMOTE SENSING TECHNIQUES FOR DRONES • UNDERSTANDING HOW TO USE DRONE IMAGERY FOR ANALYSIS AND DECISION MAKING • HANDS-ON PRACTICE WITH REMOTE SENSING SOFTWARE	MR. RAVINDRA BHARDWAJ/ MR. ANOOP RATHORE (INDUSTRY EXPERT)
DAY -12 (12-06-2023) 07:00AM-12:00PM	• UNDERSTANDING OF CAPTURING HIGH-QUALITY PHOTOS AND VIDEOS WITH A DRONE • HANDS-ON PRACTICE WITH DRONE PHOTOGRAPHY AND VIDEOGRAPHY TECHNIQUES	MR. RAVINDRA BHARDWAJ
DAY -13 (13-06-2023) 07:00AM-12:00PM	• OVERVIEW OF THE LATEST DRONE TECHNOLOGY ADVANCEMENTS • UNDERSTANDING FUTURE TRENDS IN UAV TECHNOLOGY AND THEIR APPLICATION • HANDS-ON PRACTICE WITH CUTTING-EDGE DRONE TECHNOLOGY	MR. AMARJEET SINGH CHAUHAN
DAY -14 (14-06-2023) 07:00AM-12:00PM	• UNDERSTANDING THE ETHICAL AND SOCIAL RESPONSIBILITIES OF DRONE OPERATION • IDENTIFYING AND MITIGATING POTENTIAL PRIVACY AND SECURITY CONCERNS • HANDS-ON PRACTICE WITH ETHICAL AND SOCIALLY RESPONSIBLE DRONE OPERATIO	MR. RAVINDRA BHARDWAJ
DAY -15 (15-06-2023) 07:00am-12:00PM	• SPECIAL GUEST SPEECH • STUDENTS PRESENT THEIR FINAL DRONE PROJECTS TO THE CLASS • ENDING CEREMONY AND DISTRIBUTION OF CERTIFICATES	

VENUE: DAYALBAGH EDUCATIONAL INSTITUTE, DAYALBAGH AGRA - 282005

Department of Physics & Computer Science

TWO WEEK
WORKSHOP ON
IOT APPLICATIONS

[June 16, 2023 to June 30, 2023]

Agroecology cum Precision Farming

- Soil Testing system
- Smart Irrigation System
- Biogas Plant Monitoring System
- Water Testing System
- Plant Disease Detection System
- Plant Identification System
- Smart Polyhouse
- Smart Hydroponics

Smart Cities

- Home Automation
- Lab Automation
- Office Automation
- Smart Air Quality Monitoring
- Smart Parking Systems
- Smart Waste Managements
- Remote Monitoring
- Public Safety

"INVENTING NEW SOLUTIONS"

REGISTRATION OPEN

May 20, 2023
(No Registration Charges)

CONTACT US :

iotworkshopdei@gmail.com
+91 7248132510

COORDINATORS

Mr. Amarjeet Singh Chauhan
Dr. Ravindra Bhardwaj

Mrs. Akella Vandana
Mrs. Khushboo Dixit

Note: Participation in UAV bootcamp and workshop on IoT applications will be consider as internship.