School of Skills Development

D Y Patil International University

*Launches*

# Industry relevant Job oriented courses

**DGCA AUTHORIZED RPTO**

## Drone Centre of Excellence

DRONEACHARYA®
AERIAL INNOVATIONS

1

D Y PATIL INTERNATIONAL UNIVERSITY
AKURDI PUNE

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# Training partners

DroneAcharya Aerial Innovations is a DGCA - Authorised Remote Pilot Training Organisation with a mission to transform India into a Global Drone Hub by 2030 and to upskill the upcoming generation to gain expertise in the drone industry. At DroneAcharya, we offer a variety of drone solutions and services, essentially, standing as a one-stop shop for all things related to drones.

**A scenic view with an appropriate training ground, just 10 mins away from the city of Pune.**

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# EXPERIENCE

Amit Takte is a DGCA Certified Trained UAV Pilot and UAV Pilot Instructor with 7+ years of extensive hands-on experience in the UAV industry. He started his career in the early 2000s as a SAP consultant, and has been a passionate aeromodelling expert for the past 12 years. Acting as an expert technology trainer, and also presenting himself as a mentor for UAV researchers, Amit has helped students and working professionals to build and develop new age solutions with upcoming UAV technologies

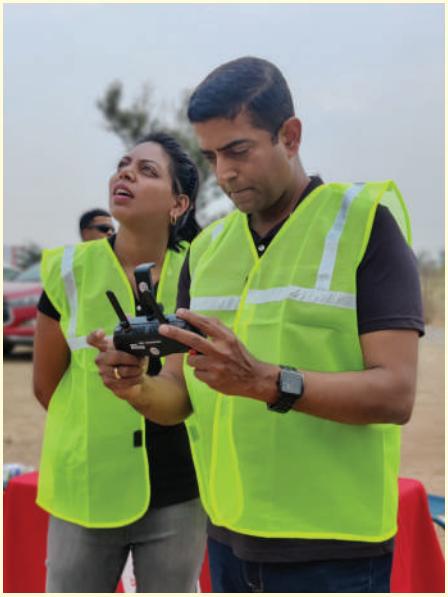
**AMIT TAKTE**
VP - Technology and Training
22 Years of Experience

Neha has been flying drones for the past 6 years now, with a keen interest in multirotor aircrafts since her college days. She is now one of the very few certified female UAV Pilot Instructors within the country.

**NEHA PATIL**
Manager - Technology and Training
6 years of Experience

**MAYUR GHUGAL**
Manager - Technology and Training
4 years of Experience

Mayur an Aeronautical Engineer is a DGCA Certified RPAS Instructor having more than 4 years of experience in the field of UAV aka RPA. He has trained and worked with various defense and industrial organizations.



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# EQUIPMENTS

With top-of-the-line international-grade UAVs, we are vying to provide a supreme quality flight training experience. Our training drones are in-line with DGCA requirements to support trainers and trainees to avoid any mishaps on the ground.

Under the new Drone Rules 2021, Remote Pilot Certification is mandatory for commercial flying in India.

DroneAcharya provides DGCA Remote Pilot Certification for -

1. Micro Category (250 gms to 2 Kgs) & Small Category (2 Kgs to 25 Kgs)
2. VLOS (Visual Line of Sight)
3. VTOL (vertical take-off & landing) Rotorcraft

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# 5 DAY DGCA COURSE SCHEDULE

## DAY 1

1. Regulations of DGCA, Civil Aviation Requirements
2. Basic Principles of Flight
3. ATC Procedures & Radio Telephony
4. Fixed-Wing Operations and Aerodynamics
5. Multi-Rotor Introduction

## DAY 2

1. Weather and Meteorology Drone Equipment Maintenance
2. Emergency Identification and Handling
3. Payload, Installation and Utilisation Image and Video Interpretation
4. Auxiliary Sessions | BVLOS Experiment & Night flying Operations

## DAY 3

1. Theory Exam
2. Flight Simulator Training
3. Practical Lessons in Lab

## DAY 4

1. Flight Simulator Training
2. Practical Flying with Instructor

## DAY 5

1. Practical Flying with Instructor
2. On-Ground Flying Exam

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# ELIGIBILITY CRITERIA

- 10th Class Certificate from Recognised Board
- **AGE LIMIT :** 18 - 65 Years
- Passport/Valid ID Proof

## For further queries contact us


**Dr. Ranu K Dutta**

Joint Director (Independent Charge)
School of Skills Development
DYPIU
dypiu.ac.in

Email: ranu.dutta@dypiu.ac.in
Phone: 8707311710


## To register scan here

# Courses

GOVERNMENT CERTIFIED DRONE PILOT TRAINING

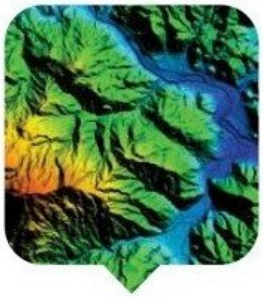
5 DAYS

₹ 64,900 /-

DRONE BUILDING

10 DAYS

₹ 53,100 /-



DRONE DATA PROCESSING

5 DAYS

₹ 35,400 /-

DRONE RACING

5 DAYS

₹ 41,300 /-

DRONES IN AGRICULTURE

5 DAYS

₹ 35,400 /-

AERIAL CINEMATOGRAPHY

5 DAYS

₹ 35,400 /-

IMPLEMENT PYTHON FOR GIS

7 DAYS

₹ 35,400 /-

DISASTER MANAGEMENT WITH DRONES

5 DAYS

₹ 35,400 /-

# Courses we offer®

## DRONE BUILDING COURSE

1. Open for all age groups
2. Intro to Drones
3. Hardware of Drone Circuitry
4. Assembly of Drone parts
5. Cleaning & Maintenance
6. Industrial Applications

10 DAYS

## DRONES IN AGRICULTURE

1. Open for all age groups
2. Basic Drone Terminology & Physics
3. Irrigation plan & Health monitoring of Crops
4. Land use pattern

5 DAYS

## DISASTER MANAGEMENT WITH DRONES

1. Types of disasters & risks involved
2. Pre-disaster Activity using Drones
3. Post Disaster Management

5 DAYS

## DRONE DATA PROCESSING

1. Get trained on Geospatial Technologies
2. Hands-on with Real Time Drones Data
3. Post Disaster Management

5

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## AERIAL CINEMATOGRAPHY

1. Open for all age groups
2. Learn the art of Aesthetic Living
3. Shoot & edit Film Projects
4. Become a Master Drone Filmaker

5 DAYS

## IMPLEMENT PYTHON FOR GIS

1. Open for all age groups
2. Develop GIS Application Based on Mobile/PC
3. Execute Python Programming on ArcGIS & QGUIS

7 DAYS

## DRONE RACING COURSE

1. Terminology & Physics of Racing Drones
2. International Rules of Drone Racing
3. Components Selection, Assembly & Caliberation

5 DAYS

**Register Now**

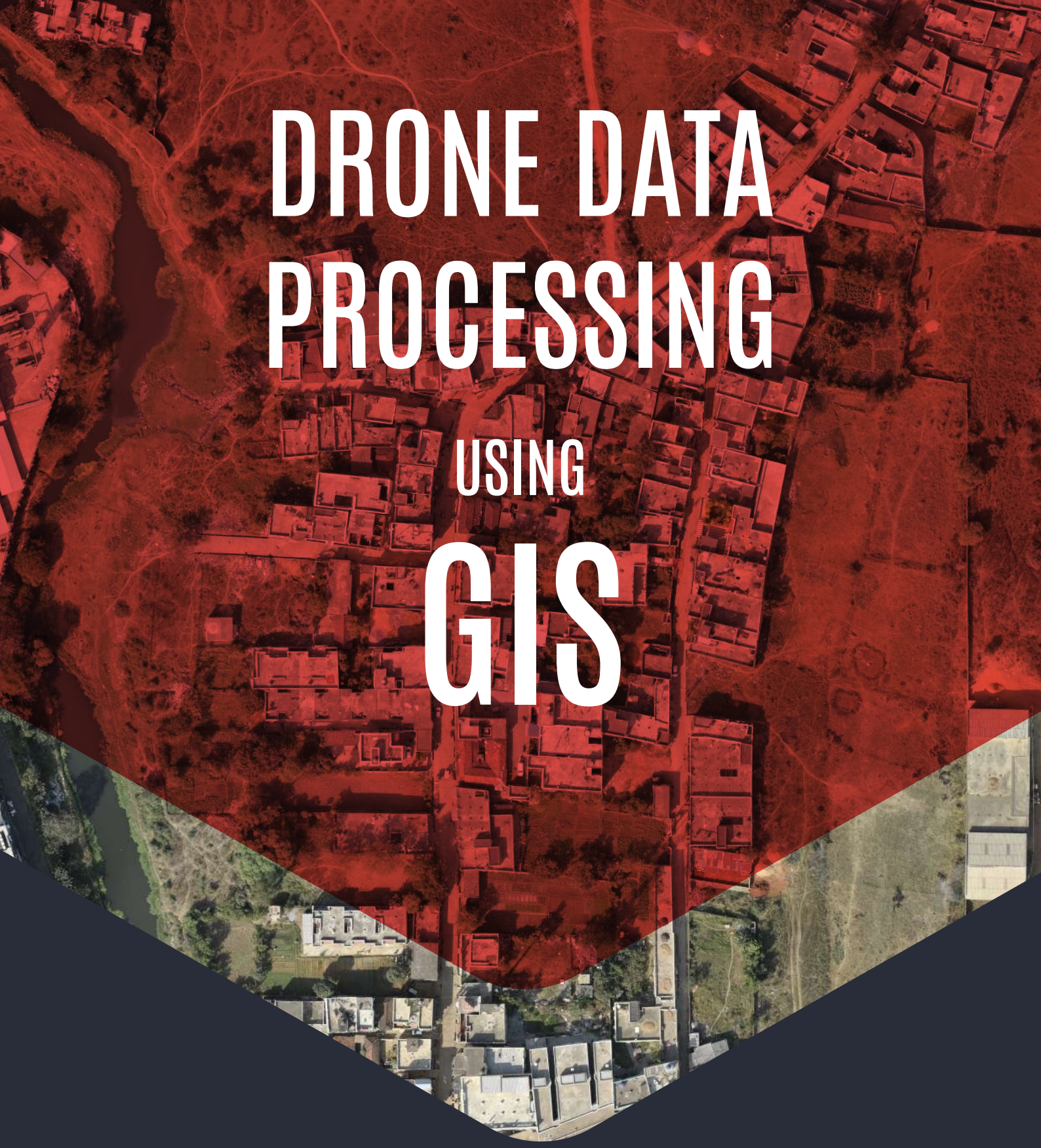
Duration:
**5 Days**

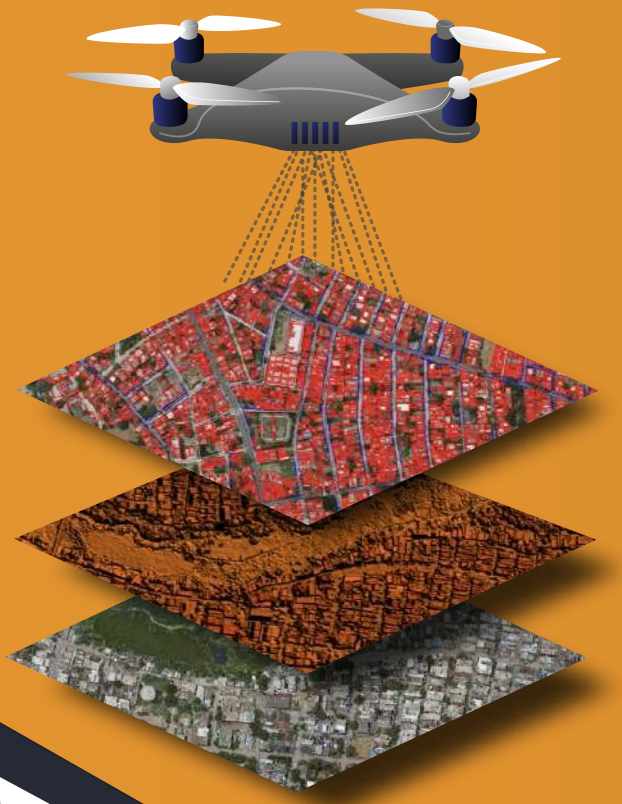
# DRONES In AGRICULTURE

## WHAT YOU WILL LEARN

- Intro to Drones
- DGCA Rules and Regulations
- Drone Basic Terminology & Physics
- Use of Drone in Agriculture
- Land Use Pattern
- Crop Insurance
- Irrigation Plan
- Health Monitoring Crops
- Pest Control & Yield Improvement
- Agriculture Census
- Risk Management
- Cleaning and Maintenance
- Simulator Practice
- Field Practice

# DRONE DATA PROCESSING USING GIS





# GIS TRAINING

10 DA

## WHAT YOU WILL LEARN

- INTRODUCTION TO GIS & REMOTE SENSING
- INDUSTRIAL APPLICATIONS OF GIS & ADVANTAGES
- SPATIAL DATA MODELS & PROJECTION SYSTEM
- HANDS ON SESSIONS WITH QGIS SOFTWARE
- GIS MODEL BUILDING & QUERY ANALYSIS
- SATELLITE DATA PROCESSING & APPLICATIONS
- INTRODUCTION TO DRONE DATA PROCESSING
- INTRODUCTION TO LIDAR DATA PROCESSING

Learn how to make the most of your GIS data

Learn how to utilize your drone data

Hands on training on GIS software

Interesting assignments coming your way!

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# DRONE BUILDING

# BUILD YOUR OWN DRONES WITH

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**Duration:**
## 10 Days

## WHAT YOU WILL LEARN

- Introduction to Drones
- Software of Drone (C language (coding), Interfacing sensors/ Peripherals, Calibration)
- Aerodynamics
- Hardware of Drone Circuitry (Electronic components, Sensors, Payloads, Controller, Soldering Techniques)
- DGCA Rules & Regulations
- Designing of Drone (Designing Software, Design of parts of drone, Testing)
- Assembly of Drone
- Cleaning and Maintenance
- Applications

BUILD YOUR CAREER IN

# AERIAL CINEMATOGRAPHY & FILM MAKING

CAPTURE AERIAL SHOTS LIKE A PRO WITH

# AERIAL CINEMATOGRAPHY & FILM MAKING COURSE

ONLINE CLASSES WITH LIVE PRACTICAL SESSIONS

PREPARE KNOWLEDGE BASE

HANDS ON SESSION WITH SKILLED PROS

MASTER TECHNIQUES TO DEVELOP MOVIES

- Understand Timeless Video Principles
- Learn Filmmaking Theories & Principles
- Learn Flying Patterns & Gimbal Skills
- Understand Legal & Safety Considerations
- Complete Mastery Overediting & Film Making
- Conceptualize, Shoot & Edit A Project
- Maximize Video Quality & Subject
- Shoot Professionally - Utilize Shot Composition

ADVANCED CERTIFICATE COURSE

5 DAYS

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# LEARN HOW TO CODE IN PYTHON

Open for All Age Groups!

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# 15 Days

## Gear upto code with our experts !

# PYTHON CODING

### YOUR TAKEAWAYS

Polish Up Your Basics

Enhance your Logical Reasoning

Learn Industry Specific Knowledge

### What you will learn

01 | Basic Understanding of Python

02 | Increase your coding speed

03 | Execute Elementary Problems

04 | Zero Prerequisites for all

05 | Learn Python Coding for GIS

06 | Execute Python in ArcGIS & QGIS

07 | Understand the Complexity of Python

08 | Build your own GIS Project

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# DISASTER MANAGEMENT WITH DRONES

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**Duration:**
**5 Days**

## What You Will Learn

- Introduction to Disaster & Use of Drones
- Types of Disaster & Risk Involved
- Role of Drone in Disaster Management
- Pre Disaster Activity using Drones & GIS
- Activity during Disaster using Drones
- Post Disaster Management using Drones & GIS
- DGCA Rules and Regulations
- Field Flying

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# DRONE RACING COURSE

**Duration:**
**5 Days**

## What You Will Learn

- Introduction to Drones
- Terminology & Physics of Drones
- International Rules of Drone Racing
- Components Selection
- Assembly
- Calibration
- Cleaning and Maintenance
- Simulator Practice
- Field Practice