

SKILLING DRONE



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



DRONE **BUILDING COURSE**

BUILD YOUR OWN DRONES



Duration:

5 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



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**

07 Days

YOUR TAKEAWAYS

Polish Up Your Basics

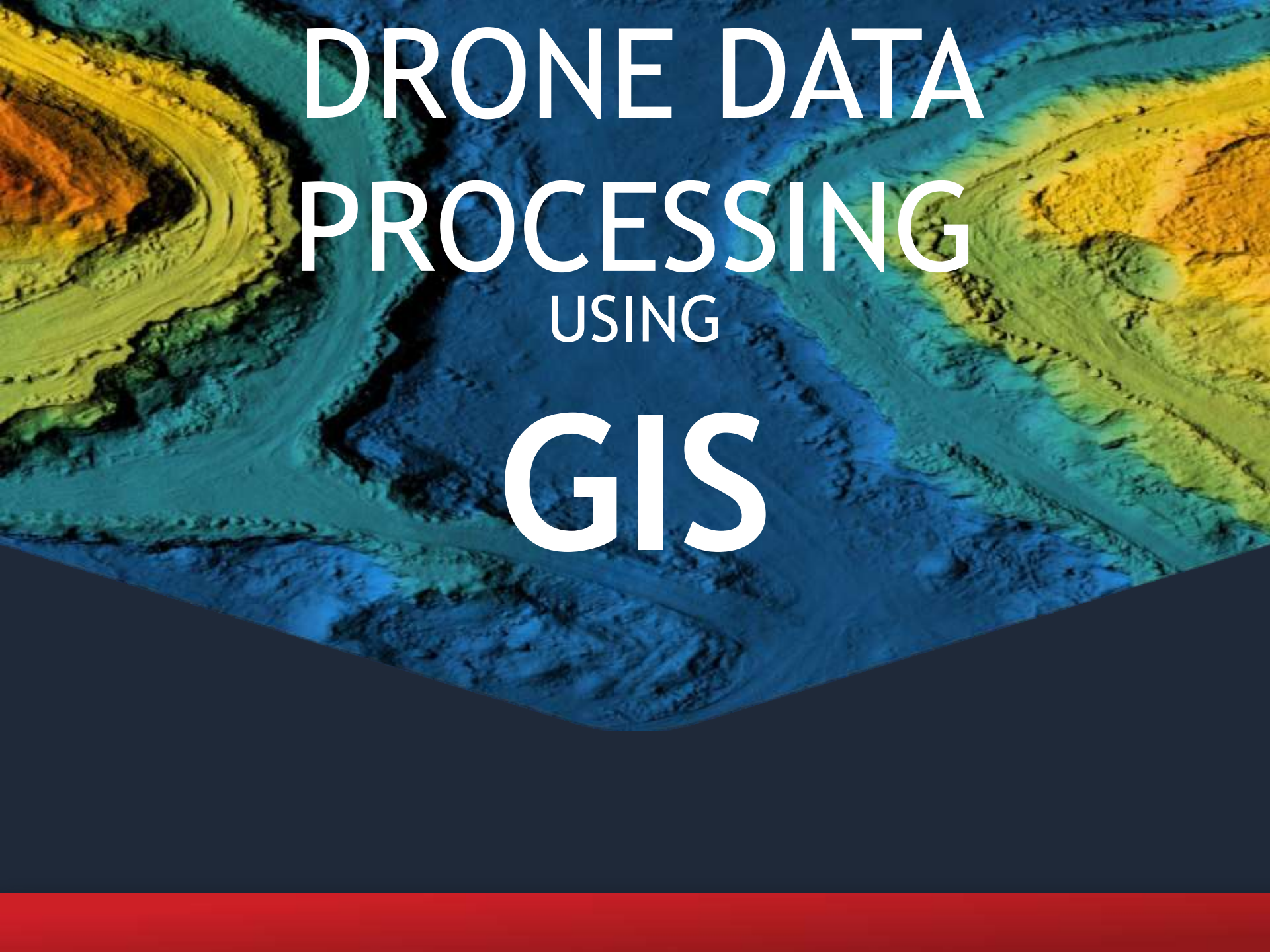
Enhance your Logical Reasoning

Learn Industry Specific Knowledge

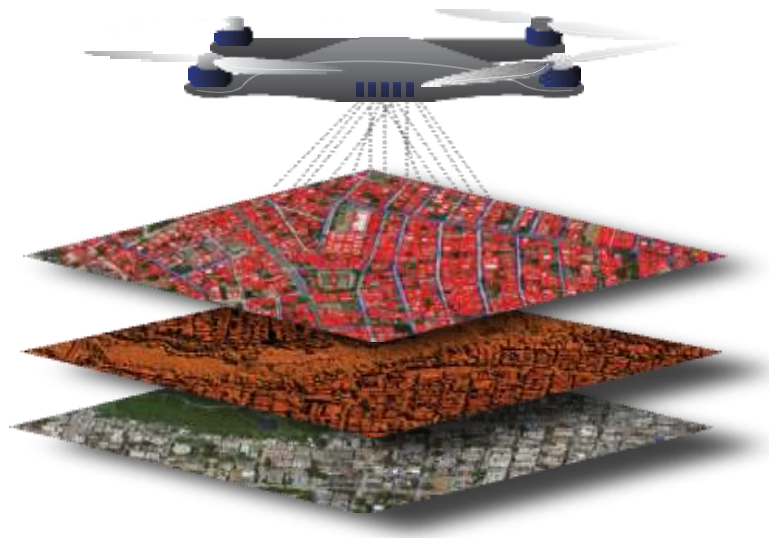
Gear upto code With our experts ! PYTHON CODING

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



DRONE DATA PROCESSING USING GIS



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!

CAPTURE AERIAL SHOTS LIKE A PRO WITH AERIAL CINEMATOGRAPHY & FILM MAKING COURSE

ONLINE CLASSES WITH
live practical sessions

Hands on session WITH
skilled pros

PREPARE
knowledge BASE

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

Advanced
certificate course

5 DAYS



DISASTER MANAGEMENT WITH DRONES

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

A person wearing VR goggles and a racing suit, participating in a drone racing event. The background is dark with blue and red lights, suggesting an indoor racing arena. The person is wearing a white racing suit with black and blue patterns and the word 'VAN' visible. They are holding a controller in their right hand. The text 'DRONE RACING COURSE' is overlaid in large white letters on a dark background.

DRONE RACING COURSE

Duration:
5 Days

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