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सी डॅक CDAC
॥ज्ञानादेव तु कैवल्यम्॥
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

PD-DUASP : UAS, Microcontrollers, Java, Python, DBMS, AI/ML, DNN, GIS

DUASP

Post Graduate Diploma in
Unmanned Aircraft System Programming (PG-DUASP)

The objective of the PG-DUASP course is to familiarize the students with the concepts and techniques employed in Unmanned Aircraft Systems (UAS) and its diverse applications, thereby preparing the students to design and develop applications for drones.

Course Modules

- Introduction to UAS
- Programming Concepts
- Data Collection and Management
- Data Processing, Analytics and Visualization
- Machine Learning and Reinforcement Learning
- Computer Vision
- Image Processing with Neural Networks
- Introduction to Microcontrollers, Sensors and IoT Protocols
- Fundamental Principles for Drone Design and Prototyping
- GIS Component for UAS
- Source Control and Hosting Environments
- Aptitude and Effective Communication
- Project

Course Highlights

- Well established courses with excellent placement records.
- 24-week full-time courses with 900 hours' theory + lab + project.
- 6-8 hours per day theory + lab sessions on 6 days a week in most centres.
- Continuous lab and internal assessments during the course.
- Centralised course-end theory exams across all centres.
- Courses designed and developed in consultation with the domain experts in C-DAC, academia and ICT industry.
- Expert faculty from C-DAC and ICT industry with widespread domain knowledge.
- Tutorials, hands-on and projects relevant to the standards of the ICT industry.
- Special training on aptitude, effective communication and interview skills.

ACTS C-DAC PUNE / 2024-25 / Flyer Design / published in April 2024

Scan for more details

प्रगत संगणन विकास केंद्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

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v.2024.04