

Training Program on Drone Flying



ORGANIZERS:



**Construction Industry
Development Council**



**Engineering Council
of India**



**International Council
of Consultant**



**Yogyann Enterprise
Pvt. Ltd**

Overview :

As a National Mission to improve employment of youth in India and to improve employability of technology graduates, a programme on Drone Technology has been initiated. Drone technology is futuristic disruptive technology and is evolving very fast all over the world. In the recent times the avenues for application and usage of Drones in civilian areas have increased manifold. With particular emphasis to infrastructure development industry, the applications of Drones are now getting well recognised. The Government of India, Directorate General of Civil Aviation, (DGCA) is in the process of issuing Policy Guidelines for use of Drones in civilian areas in the near future. The DGCA has already issued Draft Policy Guidelines regarding civilian applications of Drones in India.

Objectives:

The objectives of this training programme are to study the flying techniques of drone. It is not the drone themselves that provide the value to users but instead it is the safe and secured methodology of data gathering. The focus will be given to give idea on the Government rules complaint drone operations which will be required for collection of data useful in agriculture, survey, delivery system, safety and security.

Faculty:

The faculty conducting the programme will include eminent persons with wide knowledge and practical field experience in government, public and private enterprises, consultancy organisations, academic institutions etc. Great emphasis will be laid on exchange of experiences, group discussions and role-playing.

Employment Prospects

- a) Disaster Management Department.
- b) Surface Transport (Roads/ Highways/ Railways/ Maritime traffic)
- c) Large Construction Sites.
- d) Large Industrial sites.
- e) Defence Sector.
- f) Logistics/ deliveries
- g) GIS mapping & land survey.

Opportunities exist both in the Country & abroad.

Full Course

The entire training program shall be conducted in 5 stage modules, where apart from piloting the drones, special applications (Sectoral) shall be taught to the students keeping in mind the pre requisites for earning a drone pilot license.

It is to be noted that DGCA, Government of India, is yet to firm up their regulations & the drone pilot licence could only be issued by them. This program shall also enable the students of technical courses (Degree / Diploma in any stream of Engineering & also MBA) earn their Internship credit points under AICTE- ECI program, which is now mandatory requirement laid down by AICTE for the programs commencing in 2017-18 batch.

Total program is of 5 levels. The duration of each module shall be 7 working days which will include an examination (Theory & demonstration). Level 1 will acquaint the participant with basic flying operations (details below), rules,

types of drone etc. Level 2 will give knowledge in specific fields. Level 3-5 are for specialization.

The Drone Pilot Training Level - 1 programme has been structured to cater to the requirement of basic drone operations for rotor drones. The training will be given by experts having more than 20 years experience in aviation. Keeping in view of the draft guidelines issued by DGCA on the subject, following aspects of drone operations will be covered in the level - 1 training programme :

1. Introduction to drones, 2. History of drones, 3. Types of drones, 4. Draft policy guidelines of DGCA for use of drones in civilian applications in India, 5. Do's and don'ts of drone flying operations, 6. UIN registration procedure, 6. Introduction to drone flight operations, 7. Flight planning, 8. No fly zone awareness, 9. Multi rotor drones pre-flight checks, 10. Multi rotor drones in-flight checks, 11. Multi rotor drones post-flight checks, 12. Effects of weather on small UAVs 13. Development of payload feature, 14. Advantages of drones.

In addition to giving coaching on theory aspects on above mentioned topics, hands on Drone flying experience will also be given to the students, where in they will learn the basics of how to fly a drone.

In order to make an assessment of the knowledge learning gained by the students during the Training Programme and evaluating their performance, a written test on basic knowledge of drone Operations will be conducted. The successful students will be given a certification of having done the training course as stipulated above.

It is hoped that this initiative to upgrade the skills of technology graduates will go a long way in improving their job opportunities in an upcoming futuristic

technology of drones. This will also help in nation building and expediting the progress of technological advancement in India.

Organiser Organization

The program shall be conducted under the patronage & supervision of ECI by their member association International Council of Consultants, New Delhi and M/s Yogyann Enterprise Pvt. Ltd.

The Certificates of Competency issued, shall be joint, where sponsoring institution shall also mentioned in addition to the organizing organization.

Beneficiaries:

The course will be most beneficial to students of engineering colleges who are desiring to add on to their job possibilities and are seeking knowledge in a specialised area in new technology and for young engineers who are interested to explore the job opportunities available in drone technology field.

Engineering Council of India & their member association reserve the right to change the faculty/dates for the programme/venue and corresponding fees.

The nomination together with the fee should reach at the following address:

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