



Symbiosis Institute of Geoinformatics, Pune Certificate in Drone Data Acquisition and Processing Programme Structure 2023-24

1.	OBJECTIVE	The course trains the students to not only handle the drones but also the capability to post-process the data that is captured for further development of applications. This course is designed to teach drone flight operations for the collection, mapping, and analysis of drone imagery. Data analysis will draw on techniques and methods that include mission planning, photogrammetry, structure from motion, and image processing using industry-standard applications.			
2.	DURATION (IN MONTHS)	3 (Part Time)			
3.	INTAKE	20			
4.	RESERVATION	Not Applicable			
5.	ELIGIBILITY	Passed Standard XII (10+2) or equivalent examination from any recognised Board with a minimum of 50% marks or equivalent grade.			
6.	SELECTION PROCEDURE	Personal Interview			
7.	MEDIUM OF INSTRUCTION	English			
8.	PROGRAMME PATTERN	Annual			
9.	COURSE & SPECIALIZATION	As per Annexure A			
10.	FEE		Academic Fees	Institute Deposit (Refundable)	Total
	Indian Students (INR)		25000	0	25000
11.	ASSESSMENT	Assessment is 100% Internal.			
12.	STANDARD OF PASSING	The assessment of the student for each examination is done, based on relative performance. Maximum Grade Point (GP) is 10 corresponding to O (outstanding). For all courses, a student is required to pass both internal and external examination separately with a minimum Grade Point of 4 corresponding to Grade P. Students securing less than 40% absolute marks in each head of passing will be declared FAIL. The University awards a degree to the student who has achieved a minimum CGPA of 4 out of maximum of 10 CGPA for the programme.			
13.	AWARD OF CERTIFICATE	Certificate in Drone Data Acquisition and Processing will be awarded at the end of the course examination after obtaining minimum 4.00 CGPA out of 10 CGPA.			

14. CLASSIFICATION OF CREDITS								
Year	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Non-Letter Grade Mandatory Course/s	Non-Letter Grade Audit Course/s	Total
Common								
1	10	0	0	0	0	0	As per the student's choice	10
Total	10	0	0	0	0	0		10

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council and Board of Management. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Director - Academics

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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Continu ous Assess ment	Term End Assessm ent	Total Marks
Year : 1							
Generic Core Courses							
TEE7106	0702810101	Fundamentals of Photogrammetry and Remote Sensing		2	20	30	50
TEE7105	0702810102	Introduction to UAV Architecture and Maintenance		2	20	30	50
TEE7104	0702810103	Basics of Drone Flying and Policy		2	20	30	50
TEE7103	0702810104	UAV Data Processing and 3D Modelling		2	20	30	50
T7802	0702810105	Mini Project - II		2	50	0	50
Total				10	130	120	250



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Year	Continuous Assessment	Term End Assessment	Total Credits	Total Marks
Year 1	2	8	10	250
Total	2	8	10	250