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Department of Research & Development
Mid - Term Examinations - SEPTEMBER 2024

Odd Semester: Ph.D. Course Work	Date: 28 /09/2024
Course Code: CIV 826	Time: 2:00pm – 3:30pm
Course Name: Geospatial Data Processing Essentials	Max Marks: 50
Department: Civil engineering	Weightage: 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 5 marks.		4Qx5M=20M
1	What are the benefits and limitations of using Pix4D Matic for urban planning projects? (C.O.No.1)[Comprehension]	5 Marks
2	Describe the step-by-step workflow for generating a dense point cloud in Pix4D Matic. (C.O.No.1)[Comprehension]	5 Marks
3	Analyze the key features and capabilities of Pix4D Matic. (C.O.No.1)[Comprehension]	5 Marks
4	Describe the primary objectives and outcomes expected from Geospatial Data Processing using a photogrammetry software. (C.O.No.2)[Comprehension]	5 Marks

Part B

Answer ALL Questions. Each question carries 15 marks.		2QX15M=30M
5	Using a case study, explain how Pix4D Matic is applied in construction and engineering projects for progress monitoring and volume calculation. (C.O.No.2)[Application]	15 Marks
6	Discuss how environmental impact studies benefit from the advanced features of Pix4D Matic. Provide an example application. (C.O.No.2)[Application]	15 Marks