

**Lesson Plan & Work-done Diary for AY: 2025-26, Odd Semester**

Course with Code: Remote Sensing and GIS – BCV515D			Faculty: NAMITHA A P			Semester: 5		
Class sNo .	Date planned (DD/MM )	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
<b>MODULE-1</b>								
1	04.08.2025	Remote Sensing- - Introduction	PPT		04.08.2025	Remote Sensing- -Introduction	PPT	
2	05.08	Types of remote sensing, components of remote sensing	Chalk & talk		05.08	Types of remote sensing, components of remote sensing	Chalk & talk	
3	08.08	electromagnetic spectrum	PPT		08.08	electromagnetic spectrum	PPT	
4	11.08	Black body, Atmospheric windows	Chalk & talk		11.08	Black body, Atmospheric windows	Chalk & talk	
5	12.08	energy interaction with earth surface features.	Chalk & talk		12.08	energy interaction with earth surface features.	Chalk & talk	
6	18.08	Spectral reflectance curve	PPT		18.08	Spectral reflectance curve	PPT	
7	19.08	Platforms and sensors. Sensor resolutions	PPT		19.08	Platforms and sensors. Sensor resolutions	PPT	
8	22.08	Principle of visual interpretation	PPT		22.08	Principle of visual interpretation	PPT	

Course with Code: Remote Sensing and GIS - 18CV651				Faculty: NAMITHA A P			Semester: 6	
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<b>MODULE-2</b>								
9	25.08	<b>Photogrammetry:</b> Introduction types of Photogrammetry,	PPT		25.08	<b>Photogrammetry:</b> Introduction types of Photogrammetry,	PPT	
10	26.08	digital Photogrammetry	PPT		26.08	digital Photogrammetry	PPT	
11	29.08	Aerial Photogrammetry	Chalk & talk		29.08	Aerial Photogrammetry	Chalk & talk	
12	01.09	Advantages over ground survey methods	PPT		01.09	Advantages over ground survey methods	PPT	
13	02.09	geometry of vertical photographs	PPT		02.09	geometry of vertical photographs	PPT	
14	08.09	scales of vertical photograph	PPT		08.09	scales of vertical photograph	PPT	
15	09.09	Ground coordinationrelief displacement	PPT		09.09	Ground coordinationrelief displacement	PPT	
16	15.09	scale ground coordinates – flight planning	PPT		15.09	scale ground coordinates – flight planning	PPT	

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**MODULE-3**

17	16.09	Geographic Information System- Introduction, Functions and advantages	PPT		16.09	Geographic Information System- Introduction, Functions and advantages	PPT	
18	19.09	sources of data for GIS	PPT		19.09	sources of data for GIS	PPT	
19	22.09	Database – Types, advantages and disadvantages	PPT		22.09	Database – Types, advantages and disadvantages	PPT	
20	23.09	Data Analysis.-overlay operations	PPT		23.09	Data Analysis.-overlay operations	PPT	
21	26.09	network analysis, spatial analysis	PPT		26.09	network analysis, spatial analysis	PPT	
22	29.09	map generation	PPT		29.09	map generation	PPT	
23	30.09	Outputs analysis. Outputs and map generation	PPT		30.09	Outputs analysis. Outputs and map generation	PPT	
24	03.10	GPS- components and working principles	PPT		03.10	GPS- components and working principles	PPT	

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<b>MODULE-4</b>								
25	06.10	Applications of GIS, Remote Sensing and GPS	PPT		06.10	Applications of GIS, Remote Sensing and GPS	PPT	
26	10.10	Water Resources engineering and management	PPT		10.10	Water Resources engineering and management	PPT	
27	13.10	prioritization of river basins	PPT		13.10	prioritization of river basins	PPT	
28	14.10	water perspective zones and its mapping	PPT		14.10	water perspective zones and its mapping	PPT	

29	21.10	Highway and transportation	PPT		21.10	Highway and transportation	PPT	
30	24.10	highway alignment, Optimization of routes, accident analysis	PPT		24.10	highway alignment, Optimization of routes, accident analysis	PPT	
31	27.10	Environmental Engineering	PPT		27.10	Environmental Engineering	PPT	
32	28.10	Geostatistical analysis of water quality	PPT		28.10	Geostatistical analysis of water quality	PPT	

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## MODULE-5

33	31.10	Applications of GIS, Remote Sensing and GPS: Urban Planning & Management	PPT		31.10	Applications of GIS, Remote Sensing and GPS: Urban Planning & Management	PPT	
34	03.11	Urban Planning & Management, urban sprawl	PPT		03.11	Urban Planning & Management, urban sprawl	PPT	
35	04.11	Change detection studies	PPT		04.11	Change detection studies	PPT	
36	07.11	forests and urban area, agriculture	PPT		07.11	forests and urban area, agriculture	PPT	
37	10.11	Disaster Management	PPT		10.11	Disaster Management	PPT	
38	11.11	Layouts	PPT		11.11	Layouts	PPT	
39	14.11	Layouts: Dead end, Radial, Grid iron	PPT		14.11	Layouts: Dead end, Radial, Grid iron	PPT	
40	17.11	Layouts: Circular system.	PPT		17.11	Layouts: Circular system.	PPT	

	Activity	Planned	Actual	Remarks
1	Theory Classes	40	40	

2	Assignments/ Quizzes/ Self-study	10-QUIZ		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	03	03	
5	ICT based Teaching (% of usage in Curriculum)	100		
<b>Planning</b>			<b>Execution</b>	
<b>Faculty Signature:</b>			<b>Faculty Signature:</b>	
<b>HoD Signature:</b>			<b>HoD Signature:</b>	

