



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation)

Shobhavana Campus, Mijar-574225, Moodbidri, D.K

Phone: 08258-262725, Fax: 08258-262726

Affiliated to VTU Belagavi and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka

ATTENDANCE BOOK

Academic Year : 2022-23

Semester : 6th Section.....

Period of the Semester : From..... 20.03.2023 to..... 10.07.2023

Subject with Code : Remote Sensing & GIS

Name of the Faculty : Dr. H.G. Muralidhar

Department : Civil Engineering

VISION OF THE INSTITUTE

"Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community"

MISSION OF THE INSTITUTE

- To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
- To inculcate the best engineering practices through transformative education.
- To develop a knowledgeable individual for a dynamic industrial scenario.
- To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

VISION OF THE DEPARTMENT

to become leader in the field of civil Engineering by imparting quality education in developing highly competent man power and promote research to meet the current and future challenges in civil Engineering.

MISSION OF THE DEPARTMENT

- To impart knowledge by creating conducive teaching-learning environment.
- To produce civil engineers of high caliber, technical skills and ethical values to serve the society.
- To promote innovation in the minds of future engineers to face the challenges.

COURSE OUTCOMES	
CO1	Collect data and delineate various elements
	from the satellite imagery using their spectral signature
CO2	Analyse different features of ground information
	to create raster or vector data
CO3	Perform digital classification and create different
	thematic maps for solving specific problems.
CO4	Make decision based on the GIS analysis on
	thematic maps
CO5	
CO6	

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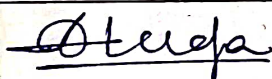
AIET	Lesson Plan & Execution			Format No.	ACD 08	
				Issue No.	01	
				Rev. No.	00	
Name of the faculty			Dr. H. G. Munokchandra			
Semester and Section			6 th			
Date of Commencement			20.03.2023			
Last Working Day of the Semester			10.07.2023			
Source Materials List						
1.	Anji Reddy		Remote Sensing & GIS			
2.	S. Kumar		Basics of RS and GIS			
3.	P. D. Burroughs		Principles of Geographical Information System			
4.	Lillesand Keator		RS and Image Interpretation.			
5.	Boudet Blatta		RS and GIS			
Subject Name						
Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	20/3	Introduction to Remote sensing	1	Introduction to RS	17/4	1
2	21/3	Basic concepts of Remote sensing	1	Basic concepts of RS	18/4	1
3	22/3	Data processing	1	Data and Information	19/4	1
4	23/3	Data processing	1	data collection by RS Merits & Demerits of RS	20/4	1

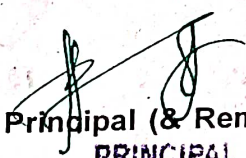
Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
5	24/3	EMR & EMS	1	EMR, EMS	24/4	1
6	27/3	Energy interaction with surface features	1, 2	Energy interaction with surface features	24/4	1, 2
7	28/3	Resolution image resolution	1, 2	Resolution image resolution	25/4	1, 2
8	29/3	False colour composite	1, 2	False colour composite	26/4	1, 2
9	30/3	Platforms & Sensors	1, 2	Platforms & Sensors	28/4	1, 2
10	31/3	Platforms & sensors elements of VI	4	Platforms & sensors elements of VI	02/5	4
11	2/4	Audience satellites & sensor characteristics	2	Audience satellites & sensor	03/5	2
12	4/4	Digital data formats	4	Digital data formats	04/5	4
13	5/4	Sensor Resolutions	4	Synthetic Aperture Radar Correlation Radiometric correction	5/5	4
14	6/4	Digital image processing	4	Digital image processing	9/5	4
15	7/4	Digital image processing	4	Digital image processing	11/5	4
16	10/4	Image enhancement systematic & non systematic errors	4	GIS Introduction	17/5	4
17	11/4	Introduction to GIS	1, 4	GIS Introduction Data models	24/5	1, 4

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
18	12/4	Components of GIS explanation	1, 4	Georeferenced data	8/6	1, 4
19	13/4	Georeferenced data	5	Spatial and attribute data	9/6	1, 4, 5
20	18/4 14/4	Spatial and attribute data	1, 5	GIS operations	12/6	1, 5
21	19/4	GIS- operations Spatial data input, attribute data management	1, 5	Geographic coordinate system	13/6	1, 5
22	20/4	Geographic coordinate system.	1, 5	Geographic coordinate system	14/6	1, 5
23	21/4	Map projections and types	1, 5	Map projections & type	15/6	1, 5
24	24/4	Projected coordinate system UTM zones.	1, 5	UTM zones	20/6	1, 5
25	25/4	Vector data model - Representation of single features	1, 5	Vector data model	21/6	1, 5
26	26/4	Topology and its importance coverage and its structure	1, 5	Topology	26/6	1, 5
27	2/5	Shape file Relational data base	1, 5	Shape file Relational data base	27/6	1, 5
28	3/5	Raster data model - Introduction	1, 5	Raster data structure	28/6	1, 5
29	4/5	Elements of raster data model.	1, 5	Data conversion	28/6	1, 5
30	5/5	Types of Raster data	1, 5	LU/LC integrated approach & GIS	29/6	1, 5

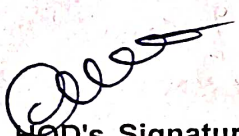
Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
31	8/5	Raster data structure	1, 5	change detection studies LU/LC	2/7	1, 5
32	9/5	Data conversion	1, 5	Water resources	4/7	1, 5
33	16/5	Integrated application of RS & GIS - introduction	1, 5	Urban planning	5/7	1, 5
34	11/5	Application in land use and land cover	1, 5	LU/LC Env. planning	6/7	1, 5
35	15/5	Change detection studies	1, 5	Traffic management	7/7	1, 5
36	16/5	Water resources	1, 5	Location based services	10/7	1, 5
37	17/5	Urban planning Natural Resources Management	1, 5	—	—	—
38	18/5	Environmental planning	1, 5	—	—	—
39	19/5	Traffic Management	1, 5	—	—	—
40	28/5	Location based services and applications	1, 5	—	—	—
41	24/5	—	—	—	—	—
42	25/5	—	—	—	—	—
43	26/5	—	—	—	—	—

Others	Planned	Actual	Remarks :
Special Classes	-	-	
Tutorials	-	-	
Assignments	3	3	
Seminars	-	-	
IA Tests	3	3	
Portions Covered in the entire Semester	100 %		
Course Effectiveness			
Students Feedback			
Students Responce			
Result	No. of Students AP	No. of Students Passed	% of Result
	24	24	100


Faculty in Charge


Signature of Principal (& Remarks if any)
PRINCIPAL

Alva's Institute of Engg. & Technology
Majur, MOODBIDRI - 574 225, DP


HOD's Signature

H.O.D.
Dept. of Civil Engineering

Alva's Institute of Engg. & Technology
Majur, Moodbidri - 574 225

Class :
Subject : Remote Sensing & GIS

April $\xrightarrow{\hspace{2cm}}$ May

Subject :

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No. of Classes held :

		Date / Month	17	18
Sl No	USN	Name	1	2
1	20A3020	Keerthana. K	A	A
2	A3027	Nitin Hemaraj	A	A
3	CS001	Abhilar. H	A	A
4	005	Hardik prabhu	1	2
5	052	James Joseph	1	A
6	050	Jayesh Lokesh Koradi	1	2
7	055	K.K. Koushik	1	2
8	098	Priya D.B	1	2
9	100	Driyanka. v. K	A	1
10	113	Rasthika	1	2
11	129	Sharat Ramand. M	A	A
12	20EC006	Aravinda Jogi	A	A
13	012	Disha. H	A	A
14	017	Kishan Kumar	A	A
15	020	Libina Lal	A	A
16	029	P. V. Likhita	A	A
17	037	Praveen	A	A
18	042	Ranjitha. R	A	A
19	050	Stridevi Rao	A	A
20	051	Struthi	A	A
21	053	Shwetka	A	A
22	CS162	TM Bharat Kumar	A	1
23	CS056	Karthikeyan. J	A	A
24	CS133	Shebin Thomas	1	2
25				
26				
27				
28				
29				
30				
Staff Initials				

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MOODBIDRI - 574 225

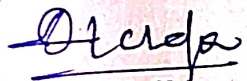
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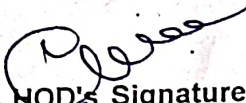
Subject : RS and GIS 18CV651

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AIET	INTERNAL EXAM RESULT ANALYSIS						Format No.	ACD 12
							Issue No.	01
							Rev. No.	00
Department	Civil Engineering						Semester	6 th
							Subject Code	18CV651
Total No. of Students							Academic Year	2022-23
Test	Date	Number of Students				Signature		Remarks
		Attended	0-14	15-20	21-30	Faculty	HOD	
T ₁	27/5	24 27/5	-	10	14			
T ₂	19/6	24	-	02	22			
T ₃	07/07	24	-	-	24			
T ₄								
T ₅								


Signature of Staff in - charge


HOD's Signature