

Curriculum Plan

of

Mr. Nabanu Roy

Session: 2022-2023

Department of Geography

January to June (Even Semesters)

Months	Semesters	Title of the Topics	Sub Topics	No. of Classes	Remarks
January	4 th Sem -DSC (Theory)	Introduction Spatial Information Technology (SIT)	Definitions, concept and historical development of SIT	8	6 class lectures, 1 class library work & 1 PPT based classes
	4 th Sem -DSC (Practical)	Identification of broad physical and cultural features from aerial photographs using pocket stereoscope	Physical features	4	2 class lectures, 1 hand on class & 1 final sheets signature
	4 th Sem - SEC	Geographical Information System (GIS)	Definition and Components	6	5 class lectures & 1 class library work
	6 th Sem - DSE (Theory)	Climate change	Concepts and implications; Greenhouse effect	8	7 class lectures & 1 doubt clearing class
	6 th Sem - DSE (Practical)	Project report based on impact and adaptation to climate change at the local level	Theoretical Classes & Planning for Field Survey	4	4 class lectures with final sheets signature
	6 th Sem - SEC	Geographical Information System (GIS)	Definition and Components	5	4 class lectures & 1 class library work
	4 th Sem -DSC (Theory)	Spatial Information/Data	Web data sources; registration and projection	8	6 class lectures, 1 class library work & 1 PPT based class
	4 th Sem -DSC (Practical)	Identification of broad physical and cultural features	Cultural features	4	2 class lectures & 2 hands on practice classes

February		from aerial photographs using pocket stereoscope			
	4 th Sem - SEC	Global Positioning System (GPS)	Principles and uses of GPS	8	6 class lectures, 1 PPT based class & 1 Q&A session
	6 th Sem - DSE (Theory)	Climate change	Global warming and IPCC	8	6 class lectures, 1 PPT based class & 1 class for library work
	6 th Sem - DSE (Practical)	Project report based on impact and adaptation to climate change at the local level	Pre field activities	4	3 class lectures & 1 class for analysis previous field report
	6 th Sem - SEC	Global Positioning System (GPS)	Principles and uses of GPS	8	6 class lectures, 1 class library work & 1 PPT based class
March	2 nd Sem -DSC (Theory)	Introduction of Human Geography	Definition, scope and content of Human Geography	8	6 class lectures, 1 PPT based class & 1doubt clearing session
	2 nd Sem -DSC (Practical)	Diagrammatic Data Presentation	Line and Simple Bar	4	3 class lectures & 1 class for final sheets signature
	4 th Sem -DSC (Theory)	Spatial Information/Data	Data structures; data interpolation	8	6 class lectures, 1 class library work & 1 PPT based class
	4 th Sem -DSC (Practical)	Statistical techniques	Measures of central tendency	4	3 class lectures & 1 class for final sheets signature
	4 th Sem - SEC	GIS Data Structures	Types (spatial and non-spatial), raster and vector data structure	8	6 class lectures, 1 PPT based class & 1doubt clearing session

	6 th Sem - DSE (Theory)	Climate change and vulnerability	Physical, social and economic vulnerability	8	6 class lectures, 1 class library work & 1 PPT based class
	6 th Sem - DSE (Practical)	Project report based on impact and adaptation to climate change at the local level	Secondary data collection	4	2 class lectures, 1 class for analysis previous field survey & 1 class for library work
	6 th Sem - SEC	GIS Data Structures	Types (spatial and non-spatial), raster and vector data structure	8	6 class lectures, 1 class library work & 1 PPT based class
April	2 nd Sem -DSC (Theory)	Cultural Regions	Race and language with reference to India	8	6 class lectures, 1 PPT based class & 1 remedial class
	2 nd Sem -DSC (Practical)	Diagrammatic Data Presentation	Proportional Divided Circles	4	2 class lectures & 2 classes for final sheets signature
	4 th Sem -DSC (Theory)	Functions of Spatial information system	Information retrieval; Topological modelling	8	6 class lectures, 1 class for library work & 1 class for seminar presentation by the dept. students
	4 th Sem -DSC (Practical)	Statistical techniques	Measures of central tendency	4	3 class lectures & 1 class for final sheets signature
	4 th Sem - SEC	GIS Data Structures	GIS Data Analysis: Input; geo-referencing; editing and output	8	6 class lectures class & 2 remedial classes

	6 th Sem - DSE (Theory)	Impact of Climate Change	Agriculture and water; flora and fauna	8	6 class lectures, 1 PPT based class & 1 remedial class
	6 th Sem - DSE (Practical)	Project report based on impact and adaptation to climate change at the local level	Secondary data collection	4	2 class lectures & 2 classes for library work
	6 th Sem - SEC	GIS Data Structures	GIS Data Analysis: Input; geo-referencing; editing and output	8	6 class lectures class & 2 remedial classes
May	2 nd Sem -DSC (Theory)	Cultural Regions	Religion and Caste with reference to India	8	6 class lectures, 1 PPT based lecture & 1 class test
	2 nd Sem -DSC (Practical)	Thematic Mapping Techniques	Choropleth	4	3 class lectures & 1 class for final sheets signature
	4 th Sem -DSC (Theory)	Functions of Spatial information system	Networks; overlay; data output	8	6 class lectures, 1 remedial class & 1 class test
	4 th Sem -DSC (Practical)	Statistical techniques	Measures of dispersion	4	2 class lectures & 2 hands on class with final sheets signature
	4 th Sem - SEC	Application of GIS	Land use mapping; urban sprawl analysis; forests monitoring	8	6 class lectures, 1 PPT based lecture & 1 class test
	6 th Sem - DSE (Theory)	Impact of Climate Change & Adaptation and mitigation to climate change with particular reference to India	Human health & Adaptation and mitigation to climate change	8	6 class lectures, 1 class test & 1 class for seminar presentation by the dept. students

	6 th Sem - DSE (Practical)	Project report based on impact and adaptation to climate change at the local level	Field visit	4	To field visit for primary data collection and prepare the project report
	6 th Sem - SEC	Application of GIS	Land use mapping; urban sprawl analysis; forests monitoring	8	6 class lectures, 1 PPT based lecture & 1 class test
June	2 nd Sem -DSC (Theory)	Growth and spatial distribution of population	Growth and spatial distribution of population with special reference to India	6	Preparation of final Examination & Doubt clearing session
	2 nd Sem -DSC (Practical)	Thematic Mapping Techniques	Chorochromatic	4	2 class lectures & 2 final sheets signature
	4 th Sem -DSC (Theory)	Application of Spatial Information Technology	Application of SIT in different fields	6	Preparation of final Examination & Doubt clearing session
	4 th Sem -DSC (Practical)	-----	-----	4	Preparation of final Examination & Doubt clearing session
	4 th Sem - SEC	-----	-----	6	Preparation of final Examination & Doubt clearing session
	6 th Sem - DSE (Theory)	Adaptation and mitigation to climate change	Adaptation and mitigation to climate change	6	Preparation of final Examination

		with particular reference to India	with particular reference to India		& Doubt clearing session
	6 th Sem - DSE (Practical)	Project report based on impact and adaptation to climate change at the local level	After field survey & data interpretation	4	4 classes to Prepare project report & signature the final project report
	6 th Sem - SEC	----	----	6	Preparation of final Examination & Doubt clearing session

Signature of the Teacher