Course Title: Spatiotemporal Data Analysis				
Course Code: NRC 142	No. of Credits	s: 3	L-T-P: 29-12-8	Learning Hours: 45
Pre-requisite Course Code and Title (if any):				
Department: Natural and Applied Sciences				
Course Coordinator:		Course Instructor:		
Contact Details:				
Course Type: Elective		Course Offered In: Semester 3		
Course Description The course is conceptualized to introduce students to statistical analysis in temporal and spatial domains. It leads students to analyze and interpret spatial and temporal data using different tools. There has been tremendous growth of interest in analyzing spatial data and applying statistical methodologies for the same in recent times. The course aims to familiarize the students with the basic techniques for use in further research. It will include a physical interpretation of the results and applicability limitations. The course would enable the students to analyze environmental data for improved decision-making, enabling efficient resource management. Course Objectives				
To create an overall idea about various statistical distributions and their properties.				
• To understand basic time series components and means to compute them.				
• To analyze data with time series techniques.				

- To analyze data with time series techniques. To understand the concept of geostatistical modeling for spatial prediction. To understand spatio-temporal models for gridded time series. •
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