

Course title: Advances in GIS and Current Trends			
Course code: NRG 179	No. of credits: 4	L-T-P: 24-10-52	Learning hours: 60
Pre-requisite course code and title (if any):			
Department: Department of Natural and Applied Sciences			
Course coordinator: Dr. Ayushi Vijhani		Course instructor: Dr. Ayushi Vijhani	
Contact details: ayushi.vijhani@terisas.ac.in			
Course type: Core		Course offered in: Semester 3	
Course Description			
<p>This course is designed to introduce Web GIS, programming concepts for constructing high quality web mapping applications, participatory GIS, mobile GIS and fundamental concepts behind Internet of Things. The course will be delivered using both COTS and FOSS platform and related programming tools to customize web-mapping applications and to develop distributed GIS based web services.</p>			
Course objectives			
<ol style="list-style-type: none"> 1. Introduces new ways of data collections, dissemination and applications of GIS technology 2. Provide state-of-art technical skills to build Web GIS applications and the knowledge needed to choose from various Web GIS development options 3. Introduces fundamental concepts of Internet of Things and its applications in GIS 			