



Sample Brief Course Description

Course title	Smart Grid Systems
Course code	ECE 432
College	Engineering
Department / Program	Electrical Engineering/Renewable Energy
Year/ Level	5/9
Course Type	A. <input type="checkbox"/> University <input type="checkbox"/> College <input checked="" type="checkbox"/> Department <input type="checkbox"/> Others b. <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective
Credited Hours	3
Contact Hours	(LT:3, LB:0, TR:0)
Pre-requisites (if any)	ECE 332
Co-requisites (if any)	---
Course description	Fundamental of smart city & Infrastructure, Planning and development of Smart city Infrastructure, Intelligent transport systems, Management of water resources and related infrastructure, Infrastructure Management system & Policy for Smart city
Course Main Objectives	1.To develop a basic understanding about various types of Infrastructure and Smart city. 2. To enable the students to apply the basic need and planning concept to solve various Infrastructure problems



Learning Outcomes	Knowledge and Understanding 1. Understand the necessity of infrastructural development for smart cities 2. Understand smart transport system for smart cities and its application 3. Understand National and Global policies to implement for smart city development.
	Skills: Identify components of infrastructure and Prepare infrastructure plan for smart city.
	Values: Building up basic components of applications in a smart city context, focusing on solutions for 1) smart buildings, 2) smart transportation