

Name of Faculty		<b>Engineering</b>					L:1 T:1
Name of Course		<b>B.Tech (Civil Engineering)</b>			Sem.		II
Subject/ Paper		<b>Solid Waste Management</b>			Paper Code		
Course Coordinator Name: Contact Number:		Mr. Kaushal 8860080237			Class Time: 2:00-4:00 PM Day: Wednesday		
Unit	Sub Units	Time	Topic	Teaching Methodology	Assessment Method	Teaching Faculty	
Unit –I SOURCES AND TYPES OF SOLID WASTES	1.1	4 hr.	Sources and types of solid wastes - quantity –factors affecting generation of solid wastes; characteristics –methods of sampling and characterization	SIS, PBL,	Weekly and Mid term	Mr. Kaushal	
	1.2	5 hr.	Effects of improper disposal of solid wastes –public health effects- principle of solid waste management –social & economic aspects- public awareness- role of NGOs- legislation.	SIS, PBL, GD	Weekly and Mid term	Mr. Kaushal	
Unit- II ON-SITE STORAGE & PROCESSING	2.1	8 hr.	On-site storage methods –materials used for containers –on-site segregation of solid wastes –public health & economic aspects of storage –options under Indian conditions	SIS, PBL	Weekly and Mid term	Mr. Kaushal	
Unit- III COLLECTION AND TRANSFER	3.1	8 hr.	Methods of Collection –types of vehicles –manpower requirement –collection routes- transfer stations –selection of location- operation & maintenance- options under Indian conditions.	SIS,PBL,GD	Weekly and Mid term	Mr. Kaushal	

This course is imparting transferable and life skills for any individual in handling the solid waste generated in everyday life and the measures for its effective management as well as regulatory requirements to understand and contribute effectively as a responsible citizen.

Assessment: Summative: (40 marks- 20 Subjective+ 20 Objective)  
Formative: (10 marks)