LessonPlan

Discipline : **ComputerEngineering**

Semester : **5th**

Subject : **SOFTWAREENGINEERING**

Lesson Plan duration : **15weeks**

Work load per week : **Lecture–03**

Week		Theory
1st	1st	1.IntroductiontoSoftware Engineering(6hrs)Introduction,Programmesv/sSoftware
	2nd	ProductsEmergenceofSoftwareEngineering-EarlyComputer Programming,
	3rd	High-levelLanguageProgramming,ControlflowbasedDesign
2nd	4th	DataStructureOrientedDesign
	5th	ObjectOrientedDesign
	6th	SoftwareLifeCycleModels
3rd	7th	RequirementofLifeCycleModel,ClassicWaterfallModel,
	8th	PrototypingModel,EvolutionaryModel
	9th	RequirementofLifeCycleModel,ClassicWaterfallModel,
4th	10th	PrototypingModel,EvolutionaryModel
	11th	SpiralModel
		ComparisonofdifferentLifeCycleModels
	12th	SoftwarePlanning
5th	13th	ResponsibilitiesofSoftware,ProjectManager-MetricsforProjectSizeEstimation-
	14th	LOC(LinesofCode),FunctionPointMetric,ProjectestimationTechniques
	15th	UsingCOCOMOModel,Halstead'sSoftwareScience
6th	16th	Revision
	17th	Revision
	18th	IstSessional
7th	19th	RequirementAnalysisandSpecification
	20th	RequirementgatheringandAnalysis

	21st	SoftwareRequirementSpecifications(SRS)
8th	22nd	FormalSpecificationTechnique
	23rd	CharacteristicsofgoodSRS
	24th	SoftwareDesignandImplementation
9th	25th	CharacteristicsandfeaturesofgoodSoftware,DesignCohesionandCoupling
	26th	SoftwaredesignApproaches,FunctionOrientedDesign
	27th	Object Oriented Design, Structured Coding Techniques, Coding Styles,documentation
10th	28th	SoftwareTestingConceptofTesting
	29th	Verificationv/sValidations
	30st	UnitTesting,BlackBoxTesting
11th	31nd	revision
	32rd	Revision
	33th	2ndsessional
12th	34th	WhiteBoxTesting
	35th	Integrationtesting
13th	36th	Systemtesting
	37th	SoftwareQualityandMaintenance
	38th	IntroductiontoCapabilityMaturitymodel,
	39th	ISO9000,SixSigma
14th	40st	ConfigurationManagement
	41nd	revision
	42rd	revision
15th	43th	3rdSessional
	44th	revision
	45th	revision