LessonPlan

Name of Faculty. : Paras Parashar, HOD

Discipline : ComputerEngineering

Semester : 5th

Subject : SOFTWARE ENGINEERING

Workloadperweek : Lecture–03

| Week | Theory | |
|---|---|---|
| | Lecture Day | Topic (Includingassessment/test) |
| 1st | 1st | 1.IntroductiontoSoftwareEngineering(6hrs.)Introduction, Programmev/sSoftware |
| | 2nd | ProductsEmergenceofSoftwareEngineering-EarlyComputerProgramming, |
| | 3rd | High-levelLanguageProgramming,Controlflow-basedDesign |
| 2nd | 4th | Data StructureOrientedDesign, |
| | 5th | ObjectOrientedDesign |
| | 6th | SoftwareLifeCycleModels |
| 3rd | 7th | RequirementofLifeCycleModel, ClassicWaterfall Model, |
| | 8th | PrototypingModel,EvolutionaryModel |
| | 9th | RequirementofLifeCycleModel, ClassicWaterfall Model, |
| 4th | 10th | PrototypingModel,EvolutionaryModel |
| | 11th | SpiralModel |
| | | Comparison ofdifferentLifeCycleModels |
| | 12th | SoftwarePlanning |
| 5th | 13th | ResponsibilitiesofSoftware |
| | 14th | ProjectManager-MetricsforProjectSizeEstimation- |
| | 15th | LOC(LinesofCode),FunctionPointMetric |
| 6th | 16th | ProjectestimationTechniques |
| | 17th | UsingCOCOMOModel, |
| | 18th | Halstead'sSoftwareScience |
| 7th | 19th | .RequirementAnalysisandSpecification |
| | 20th | RequirementgatheringandAnalysis |

| | | |
|---|---|---|
| | 21st | SoftwareRequirementSpecifications(SRS) |
| 8th | 22nd | FormalSpecificationTechnique |
| | 23rd | CharacteristicsofgoodSRS |
| | 24th | SoftwareDesignandImplementation |
| 9th | 25th | CharacteristicsandfeaturesofgoodSoftware |
| | 26th | DesignCohesionandCoupling |
| | 27th | SoftwaredesignApproaches |
| 10th | 28th | FunctionOrientedDesign, |
| | 29th | ObjectOrientedDesign,StructuredCodingTechniques |
| | 30st | CodingStyles,documentation |
| 11th | 31nd | Software TestingConceptofTesting |
| | 32rd | Verificationv/sValidations |
| | 33th | UnitTesting,Blackbox Testing |
| 12th | 34th | WhiteBox Testing |
| | 35th | Integrationtesting |
| | 36th | Systemtesting |
| 13th | 37th | .SoftwareQuality |
| | 38th | andMaintenance |
| | 39th | IntroductiontoCapabilityMaturitymodel |
| 14th | 40st | ISO9000 |
| | 41nd | SixSigma |
| | 42rd | ConfigurationManagement |
| 15th | 43th | revision |
| | 44th | revision |
| | 45th | revision |