# INSTITUTE OF ENGINEERING AND MANAGEMENT
## GOURAHARI VIHAR, PO: RANIPUT, JEYPORE – 764 005
## LESSON PLAN

| Discipline:**CSE** | Semester: **First** | Faculty NAME: **SWIKRUTI TRIPATHY** Lecturer(CSE) | |
|---|---|---|---|
| Subject: **ComputerApplication** | No. of days classallotted/week:**04** | Semesterfromdate: JULY TO DECEMBER<br><br>No.of weeks: **15** | |
| **Week** | **ClassDay** | **Theory** | |
| 1ST | 1st | **Module-1**IntroductiontoComputer&EvolutionofComputers | |
| | 2nd | GenerationofComputers | |
| | 3rd | ClassificationofComputers | |
| | 4th | BasicOrganizationofComputer(FunctionalBlockdiagram)Input Devices,CPU&OutputDevices. | |
| 2ND | 1st | ComputerMemoryandClassification ofMemory | |
| | 2nd | **Module-2**Softwareconcept,Systemsoftware,Applicationsoftware | |
| | 3rd | OverviewofOperating SystemObjectivesandFunctionsofO.S. | |
| | 4th | TypesofOperatingSystem:BatchProcessing, Multiprogramming,TimeSharingOS | |
| 3RD | 1st | FeaturesofDOS,Windows andUNIX | |
| | 2nd | ProgrammingLanguagesCompiler,interpreter | |
| | 3rd | ComputerVirus,DifferentTypesofcomputervirus | |
| | 4th | Detectionandpreventionof Virus,Applicationof computers in differentDomain | |
| 4TH | 1st | **Module-3**Networkingconcept,Protocol, | |
| | 2nd | ConnectingMedia | |
| | 3rd | DateTransmissionmode | |
| | 4th | NetworkTopologies | |
| 5TH | 1st | Typesof Network | |
| | 2nd | NetworkingDeviceslikeHub, Repeater,Switch,Bridge, Router, Gateway& NIC | |
| | 3rd | InternetServiceslikeE-Mail,WWW,FTP,Chatting,Internet Conferencing,ElectronicNewspaper&OnlineShopping | |
| | 4th | Differenttypesof InternetconnectivityandISP | |
| 6TH | 1st | **Module-4**Concept ofFileandFolder | |
| | 2nd | FileAccessandStoragemethods. Sequential,Direct,ISAM | |
| | 3rd | DataCapture | |
| | 4th | Datastorage | |
| 7TH | 1st | DataProcessingandRetrieval | |
| | 2nd | **Module-5**Algorithm,PseudocodeandFlowchart | |
| | 3rd | GenerationofProgrammingLanguages | |
| | 4th | StructuredProgrammingLanguage | |
| 8TH | 1st | ExamplesofProblemsolvingthroughFlowchart | |
| | 2nd | ExamplesofProblemsolvingthroughFlowchartcont… | |
| | 3rd | **Module-6 IntroductiontoC Programming** | |
| | 4th | StructureofaCprogram | |
| 9TH | 1st | TokensinC:Character,Keyword,Datatype | |
| | 2nd | ConstantinC | |
| | 3rd | Variabledeclarationandinitialization | |
| | 4th | ManagingInput-Output(I/O)Operations | |
| 10TH | 1st | OperatorsinC | |
| | 2nd | Typecasting: | |
| | 3rd | OperatorPrecedenceandAssociativity | |

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|---|---|---|
| | 4<sup>th</sup> | DecisionControlstatement:if,if..else,nestedif |
| 11<sup>TH</sup> | 1<sup>st</sup> | DecisionControlstatement:if elseladder,switchstatement |
| | 2<sup>nd</sup> | Loopingoriterationstatements:while,dowhile |
| | 3<sup>rd</sup> | Looping oriterationstatements:for,nestedfor |
| | 4<sup>th</sup> | Jumpingstatements:goto,break,continue |
| 12<sup>TH</sup> | 1<sup>st</sup> | Jumpingstatements: break, continue |
| | 2<sup>nd</sup> | **Fuction:**Functiondeclaration,functiondefinition |
| | 3<sup>rd</sup> | Accessingafunction,FormalArguments,ActualArguments |
| | 4<sup>th</sup> | Passing parameterstothefunction:Callbyvalue, Callby reference |
| 13<sup>TH</sup> | 1<sup>st</sup> | Function recursion |
| | 2<sup>nd</sup> | Storageclasses |
| | 3<sup>rd</sup> | Array: Arraydeclarationanddefinition1D,Accessingelementsof an array |
| | 4<sup>th</sup> | MultidimensionalArray |
| 14<sup>TH</sup> | 1<sup>st</sup> | Strings,stringsconstants |
| | 2<sup>nd</sup> | Stringslibraryfunction |
| | 3<sup>rd</sup> | Pointers:Declarationandinitialization |
| | 4<sup>th</sup> | Pointer ExpressionandArithmatic |
| 15<sup>TH</sup> | 1<sup>st</sup> | Structure:declarationandDefinition |
| | 2<sup>nd</sup> | Accessingstructuremembers |
| | 3<sup>rd</sup> | Union: DeclarationandDefinition |
| | 4<sup>th</sup> | AccessingUnionMembers |

**Books Recommended:**

*1. Computer Fundamentals and Programming in C by ReemaThareja, Oxford Unversity Press*
*2. Programming in ANSI C by A.N Kamthane, Pearson Education*
*3. Computer Application by Kalyani Publisher*
*4. Let us C by Y. Kanetkar, BPB 5. Computer Fundamentals, by E. Balaguruswamy, TMH*