

LESSON PLAN

| Name of the Institute: | | C. V. Raman Polytechnic |
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| Department: | | Computer Science & Engineering |
| Semester/Division/Branch: | | 1st semester |
| Subject Name with code: | | Computer Application |
| Total No. of Class (Required): | | 60 |
| Faculty Name: | | ABHIPSA MAHALA |
| Class No. | Brief description of the Topic/Chapter to be taught | Remarks |
| 1 | Introduction to Computer Evolution of Computers | |
| 2 | Generation of Computers | |
| 3 | Classification of Computers | |
| 4 | Basic Organisation of Computer (Functional Block diagram) | |
| 5 | Input Devices | |
| 6 | CPU | |
| 7 | Output Devices | |
| 8 | Computer Memory | |
| 9 | Classification of Memory | |
| 10 | Software concept | |
| 11 | System software | |
| 12 | Application software Overview of Operating System Objectives | |
| 13 | Functions of O.S | |
| 14 | Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS | |
| 15 | Features of DOS, Windows and UNIX | |
| 16 | Programming Languages Compiler | |
| 17 | interpreter Computer Virus | |
| 18 | Different Types of computer virus | |

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| 19 | Detection and prevention of Virus | |
| 20 | Application of computers in different Domain | |
| 21 | Networking concept | |
| 22 | Protocol | |
| 23 | Connecting Media | |
| 24 | Data Transmission mode Network Topologies | |
| 25 | Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC | |
| 26 | Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping | |
| 27 | Different types of Internet connectivity and ISP | |
| 28 | Concept of File and Folder | |
| 29 | File Access and Storage methods | |
| 30 | Sequential | |
| 31 | Direct | |
| 32 | ISAM Data Capture | |
| 33 | Data storage Data Processing and Retrieval | |
| 34 | Algorithm, Pseudo code | |
| 35 | Flowchart Generation of Programming Languages | |
| 36 | Structured Programming Language | |
| 37 | Examples of Problem solving through Flowchart | |
| 38 | Constants | |
| 39 | Variables | |
| 40 | Data types in C | |
| 41 | Managing Input | |
| 42 | Output operations. | |
| 43 | Operators | |
| 44 | Expressions | |
| 45 | Type conversion & Typecasting | |
| 46 | Decision Control | |
| 47 | Looping Statements (If, If-else, If-else-if, Switch, While, Do while, For, | |

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| | Break, Continue & Goto) | |
| 48 | Programming Assignments using the above features. | |
| 49 | Functions | |
| 50 | Passing Parameters to the Function (Call by Value and Call by Reference) | |
| 51 | Scope of Variables | |
| 52 | Storage Classes | |
| 53 | Recursion Function | |
| 54 | Types of Recursion | |
| 55 | One Dimensional Array | |
| 56 | Multidimensional Array | |
| 57 | String Operations | |
| 58 | Pointers | |
| 59 | Pointer Expression and Pointer Arithmetic Programming Assignments using the above features. | |
| 60 | Functions and Passing Parameters to the Function (Call by Value and Call by Reference) | |


Signature of the Faculty


Signature of the H.O.D