| Discipline :Civil Engineering | Semester:-2nd | Name of the Teaching Faculty:-Paramananda Dash |
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| Subject:-Computer Application | No. Of Days/per Week Class Allotted 4 | Semester From :- 02 /01/2019 To :- 30 /04/2019<br><br>No. Of weeks :- 15 |
| **Week** | **Class Day** | **Theory** |
| 1ST | 1st | Introduction to computer |
| | 2nd | Evolution of Computers |
| | 3rd | Generation of Computers |
| | 4th | Classification of computer |
| 2ND | 1st | Basic Organisation of Computer |
| | 2nd | (Functional Block Diagram) |
| | 3rd | Input devices, CPU &Output Devices. |
| | 4th | Computer Memory And Classification Of Memory. |
| 3RD | 1st | Software Concept, |
| | 2nd | System software, Application software, |
| | 3rd | Overview of Operating System |
| | 4th | Objectives And Function Of O.S, |
| 4TH | 1st | Types of Operating System: Batch Processing, |
| | 2nd | Multiprogramming, Time Sharing OS |
| | 3rd | Features Of DOS, windows and UNIX , |
| | 4th | Programming Language |
| 5TH | 1st | Compiler, interpreter |
| | 2nd | Computer Virus Different types Of Computer Virus, |
| | 3rd | Detection of Prevention of Virus. |
| | 4th | Application of computers in different Domain. |
| 6TH | 1st | Networking concept, |
| | 2nd | Protocol, Connecting Media, Date Transmission mode , |
| | 3rd | Network Topologies, Types Of Network. |
| | 4th | Networking Devices like Hub, Repeater, Switch |
| 7TH | 1st | Bridge, Router, Gateway & NIC |
| | 2nd | Internet Services like E-mail. WWW, |
| | 3rd | FTP, chatting, |
| | 4th | Internet Conferencing. |
| 8TH | 1st | Electronic Newspaper & Online Shopping. |
| | 2nd | Different Types of Internet connectivity and ISP. |
| | 3rd | Concept of File and Folder, |
| | 4th | File Access and Storage methods. |
| 9TH | 1st | Sequential. Direct, |
| | 2nd | ISAM. |
| | 3rd | Data Processing And Retrieval. |
| | 4th | Algorithm, Pseudo code and |
| 10TH | 1st | Flowchart Generation of |
| | 2nd | Programming Languages, |
| | 3rd | Structured Programming Language, |
| | 4th | Examples of problem solving through Flowchart |
| 11TH | 1st | Constants, Variables |
| | 2nd | Data Types in C |
| | 3rd | Managing Input and Output operations. |
| | 4th | Decision control and looping Statement |
| 12TH | 1st | if, if-else, If –else-if, |
| | 2nd | Switch, While, Do-while, |
| | 3rd | For , Break, |
| | 4th | Continue & Go to |
| 13TH | 1st | Programming Assignments Using the above Features. |
| | 2nd | Functions and Passing Parameters to the Function |
| | 3rd | Call by Value and Call by Reference. |
| | 4th | Scope of Variables and Storage Classes Recursion |
| 14TH | 1st | Function and Types of Recursion. |

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| | 2nd | One Dimensional Array |
| | 3rd | and Multidimensional Array, |
| | 4th | String Operation and Pointers. |
| 15TH | 1st | Pointer Expression and Pointer |
| | 2nd | Arithmetic Programming |
| | 3rd | Assignments using the Above Features. |
| | 4th | Structure and Union. |

Signature of concerned lecturer Signature of H.O.D Signature of Academic Coordinator

Signature of principal