JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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# Lesson Plan & Tracking

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| **Programe : Diploma** | **Session : 2022-23** | **Year : Ist Year** | **Sem: I** |
| **Course: Computer Fundamentals** | | | |
| **Name of the Faculty: Shivangini Bihari** | **Commencement Date: 19/9/2022** | | **Date of Closure: 30/12/2022** |

| Lecture No. | Week | Unit | Topics to be Covered | Blended Mode | | | Date | Duration | Tracking of Lectures | Related Course Outcome | Signature of Faculty | Signature of HoD | Remarks (if any) |
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| | | | | ICT Tool/Platform/ LMS | Resources | Activity | | | | | | | |
| 1 | 1 | 1 | Overview of overall course with its objectives and oucomes, Introduction – Characteristics of Computer, Evolution of Computer | | | | | | | | | | |
| 2 | | | Capabilities and Limitations of Computer,Generations of Computer | | | | | | | | | | |
| 3 | 2 | | Types of Computer(micro, mini, mainframe, supercomputer), Block Diagram of Computer | | | | | | | | | | |
| 4 | | 2 | Basic components of a Computer system , Memory – main memory organization | | | | | | | | | | |
| 5 | | | Main memory capacity, RAM, ROM, EPROM, PROM, Cache Memory | | | | | | | | | | |
| 6 | 3 | | Input Devices : scanning devices (BAR CODE, OMR, MICR), | | | | | | | | | | |
| 7 | | 2 | Voice input devices, Light pen, Mouse, Touch Screen, Digitizer, Scanner | | | | | | | | | | |
| 8 | | | Output Devices- Printers- Impact and Non-impact printers, CRT, LCD, CD-WRITTER, ZIP DRIVE | | | | | | | | | | |
| 9 | 4 | | DVD Introduction to Web Camera, Modem | | | | | | | | | | |
| 10 | | 3 | Software and its types, | | | | | | | | | | |
| 11 | | | Compiler and Interpreter, Operating System | | | | | | | | | | |

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| 12 | | | Assemblers, Linkers, Loaders | | | | | | | | | | |
| 13 | 5 | | Different Programming Languages | | | | | | | | | | |
| 14 | | 3 | Business Data Processing- Data Processing; File Management System | | | | | | | | | | |
| 15 | | | File Types, File Organization, File Utilities; | | | | | | | | | | |
| 16 | 6 | | Main Components of a DBMS & DBMS model | | | | | | | | | | |
| 17 | | 3 | Creating and Using a Database | | | | | | | | | | |
| 18 | | | Test | | | | | | | | | | |
| 19 | 7 | | Data Communication and Computer Networks | | | | | | | | | | |
| 20 | | 4 | Network types, Network Topologies | | | | | | | | | | |
| 21 | | | Data Transmission mode, Data transmission media | | | | | | | | | | |
| 22 | 8 | | Communication Protocol, OSI Model, | | | | | | | | | | |
| 23 | | 4 | Internet, Definition, Brief History, Basic Services, Email | | | | | | | | | | |
| 24 | | | File Transfer Protocol, Telnet, Internet Search Tools,World Wide Web | | | | | | | | | | |
| 25 | 9 | | Uses of the Internet, Internet Service Providers | | | | | | | | | | |
| 26 | | 4 | Uses of the Internet, Internet Service Providers | | | | | | | | | | |
| 27 | | | Internet Connection Direct/Leased line Connection | | | | | | | | | | |
| 28 | 10 | | Remote Dial up Connection, SLIP/PPP Connection | | | | | | | | | | |
| 29 | | 4 | Revision | | | | | | | | | | |
| 30 | 11 | | Revision | | | | | | | | | | |