



DEPARTMENT OF MATHEMATICS AND SCIENCE
ORISSA SCHOOL OF MINING ENGINEERING,
KEONJHAR

LESSON PLAN

| Discipline: Metallurgy Engineering | | | Semester: 1st semester | Name of the Teaching Faculty : Akash Kumar Sahoo |
|--|------------------|--|--|---|
| Subject: Introduction to IT System-I(B) Sub code: Th-1(B) | | | No of days /week class allotted:03/week | Semester from Date:16/08/2024 to 24/12/2024 No of weeks:19 |
| Month | Week | No of periods available | Theory topics to be covered | |
| August | 1 st | 01P | Basic Internet skills (About Networks(LAN, MAN, WAN, PAN), About Internet) | |
| | 2 nd | 01P | Application of Internet, Internet Basics(WWW, Domain name, URL, HTTP, HTTPS, FTP, Hyperlink, Browser, Webpage, Website, Search Engine, ISP, Download, Upload, DNS, TCP/IP, Modem, Cloud computing) | |
| September. | 3 rd | 03p | Understanding A Browser (Working, Types of Browser(GOOGLE CHROME, MOZILA FIREFOX, MICROSOFT-EDGE, APPLE SAFARI, UC BROWSER, OPERAMINI etc), Element of Chrome Browser. | |
| | | | Features of Web browser, Search Engine (Working, Types (Google, Microsoft-bing, Yahoo, Duck-duck go, Yandex, Baidu etc), Bydefault Search Engine of Each Browser. | |
| | | | Types of Web Searches(Navigational, Informational, Transactional), how Search Engine works(Crawling, Indexing, retrieving & Ranking. | |
| | 4 th | 03P | Google Search Symbols, Operator, Command. | |
| | | | Digital India Program(Awareness about digital India program, Pillars of Digital India. | |
| | | | Digital India Portals (Infrastructure, Service Based, Empowerment), State portals, College Portals.. | |
| | 5 th | 03p | Block Diagram of computer (Input unit, MU, CU, ALU, Output unit). | |
| | 6 th | 03p | Measurement Unit of Digital data, Types of computer Memory. | |
| Display and its Types. | | | | |
| 7 th | 02P | Input and Output devices (Working, Examples), HDD & SSD and its Comparison. | | |
| | | Discussion about OPERATING SYSTEM(like desktop os and mobile os), Need of OS, Types of Os. | | |
| | | | Monthly Test-01 and Discussion | |
| October | 8 th | 01P | Installation of LINUX and WINDOWS OS,. | |
| | 9 th | 02P | About Unix OS, Architecture of Unix OS(Hardware, Kernel, Shell, Application software, User). | |
| | | | 1st Internal Assessment. | |
| | 10 th | 02P | Features of Shell, Shell types etc,Vi editor(Working & its Features) . | |
| Basic command of Unix OS, Practice question related to Operating System. | | | | |
| 11 th | 02P | HTML(Introduction, about Website and webpages). | | |
| | | Monthly Test-02 and Discussion | | |
| November | 12 th | 03P | Structure of an HTML Document, Basic HTML Tags. | |
| | | | Listing tags, adding Graphics to the HTML. | |
| | | | About CSS and Way to apply CSS in HTML documents. | |

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| | 13 th | 02P | HTML Forms with input Tags. Create a web Form for Annual day Participation |
| | | | Introduction to open office software and installation process of open office, advantage of open office over ms-office. |
| | 14 th | 03P | Open-office writer, parts of writer interface(title bar, Menu bar, Standard tool bar, formatting tool bar, side tool bar, status bar, Ruler). |
| Cut, Copy, paste, insert image, insert Special Character, font color, back ground color, font(style, Size, alignment(Left, Right, Center, justify)), | | | |
| Finding and replacing of text, spelling and grammar checking, with one practice question is Student create their own Resume with open office writer. | | | |
| 15 th | 03P | About Open-office CALC, Advantage of Calc over Writer,. | |
| | | parts of CALC interface(Title bar, menu bar, standard tool bar, Formatting Tool Bar, side bar, Status bar), Formula bar, creating charts, Creating Formula | |
| | | Monthly Test-03 and Discussion | |
| December | 16 th | 03P | One practice question- Student Create a Bill of a shop and Create their own mark sheet to calculate sum, percentage, grade, and pass or Fail. |
| | | | Second practice question- Create their own mark sheet to calculate sum, percentage, grade, and pass or Fail. |
| | | | 2nd Internal Assessment. |
| | 17 th | 03P | About open-Office impress, Creating new presentation, Parts of impress Interface, Applying animation effect, insert images, Printing Presentation. |
| | | | One practice question- Create printer Presentation using impress |
| | | | Introduction to information security, common information security attacks and vulnerabilities (Malware, Worm, Spyware, Adware, Keyloggers, Virus, Sweepers, Backdoor) |
| | 18 th | 03P | Social Engineering Attacks (Phishing, Vishing, Smishing, Baiting, Quid Pro quo scam),Network Threat. General Internet Browsing |
| | | | Social networking. |
| | | | Practice question related to Information Security. |
| | 19 th | 03P | Practice question related to Unit-1(Basic Internet skill). |
| | | | Practice question related to Unit-2(operating system) |
| | | | Practice question related to Unit-3(HTML &CSS) & unit-4 (Open-office) |
| | | | Revision &Previous year question & Answer discussion. |
| | | | . VERY SIMILAR TEST/MOCK TEST |