

BLACK DIAMOND SCHOOL OF ENGINEERING, JHARSUGUDA

LESSON PLAN Session (2022-2023)

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| Discipline: Computer Science & Engineering | Semester: 5 th , Winter/2022 | Name of the Faculty: Bijay Kumar Patel Lecturer, |
| Subject: Internet and Web Technology (Th-2) | No. of Days/week: 04 | Start Date: 14/09/2022 End Date: 21/01/2023 |

| Week | Class Day | Theory Topics |
|------|-----------|--|
| 1st | 1st | Internet Basics: Computer network |
| | 2nd | Concept of Internet, Intranet |
| | 3rd | Modem |
| | 4th | IP Address |
| 2nd | 1st | Internet Domains, CIDR Notation |
| | 2nd | ISP, TCP/IP |
| | 3rd | Internet Connectivity & WWW: Introduction to connectivity Medium and methods of connectivity, ISDN, VSAT, RF Link |
| | 4th | Working of Internet, Introduction to WWW |
| 3rd | 1st | Application-Level Protocol |
| | 2nd | Web Browser, URL, Hypertext, Hyperlinks, Hypermedia |
| | 3rd | Search Engine |
| | 4th | Proxy server, CG |
| 4th | 1st | URI, Dreamweaver |
| | 2nd | Question Answer Discussion |
| | 3rd | Quiz Test |
| | 4th | Internet Security: Introduction to security, Types of security |
| 5th | 1st | Authentication & Authorization |
| | 2nd | Firewalls |

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| | 3rd | Encryption & Decryption, SSL(Cont..) |
| | 4th | Encryption & Decryption, SSL |
| 6th | 1st | Question Answer Discussion |
| | 2nd | Internet Application: E-Mail, Email protocols |
| | 3rd | Telnet, FTP, Newsgroup |
| | 4th | Chartroom, Internet Relay Chat, Video Conferencing |
| 7th | 1st | E-Commerce |
| | 2nd | Question Answer Discussion |
| | 3rd | Website Classifications: Static Websites, Dynamic websites |
| | 4th | Web portals, Social Networking Sites |
| 8th | 1st | RSS Feed, Blog, Netiquette |
| | 2nd | Development of Portals Using HTML: Design a webpage, Good Web Design, HTML Introduction |
| | 3rd | HTML Tags |
| | 4th | Anchor Tag, Table Tag |
| 9th | 1st | HTML Frames |
| | 2nd | HTML Forms, Disadvantages of HTML |
| | 3rd | Separating style from structure with style sheets |
| | 4th | CSS Rules |
| 10th | 1st | Types of CSS |
| | 2nd | Client-side Scripting with JavaScript: Introduction to script, Client-side Scripting, Types of Scripting, Variables in JavaScript, Built-in Function |
| | 3rd | Arrays in JavaScript, Conditional statements |
| | 4th | Loops in JavaScript, Document Object Model |
| 11th | 1st | Creating Functions, objects in JavaScript |
| | 2nd | Event handling in JavaScript, Embedding JavaScript with HTML |
| | 3rd | Working with Cookies, connecting database using JavaScript in HTML Page, Working with Browser, validating and submitting Forms |
| | 4th | Server-Side Scripting: Introduction to server-side Scripting, Components of SSS |
| 12th | 1st | Difference between CSS and SSS, Server-side Scripting method |
| | 2nd | JavaScript on server |
| | 3rd | SQL |
| | 4th | Question Answer Discussion |
| 13th | 1st | Quiz Test |

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| | 2nd | Server-Side Programming using PHP: Introduction to PHP, Variables |
| | 3rd | string |
| | 4th | operator types |
| 14th | 1st | Conditional statement |
| | 2nd | Loops |
| | 3rd | Array |
| | 4th | GET and POST Method and Sessions |
| 15th | 1st | GET and POST Method and Sessions(Cont..) |
| | 2nd | Question Answer Discussion |
| | 3rd | Question Answer Discussion |
| | 4th | Question Answer Discussion |