**LESSON PLAN**

**Name of the Faculty :Mr. Naresh Grover AP-CSE**

**Discipline :Computer Science & Engineering**

**Semester :4th**

**Subject : Internet Fundamentals**

Lesson Plan Duration : 15 weeks (from January 2018 to April 2018)

\*\*Work Load(Lecture/Practical) per week(in hours)::Lectures:3, Practical-03

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| **Week** | **Theory** | **Practical** |
| **Lecture Day** | **Topic(including assignment/test)** | **Practical Day** | **Topic** |
| 1st  | 1st  | Introduction to networks and internet. History of Internet | 1st  | To prepare the Your Bio Data using MS Word. |
| 2nd  | Internet, Intranet & Extranet, Working of Internet. |
| 3rd  | Difference between Internet, Intranet & Extranet. |
| 2nd  | 4th  | Internet Congestion, internet culture, business culture on internet. Collaborative computing & the internet | 2nd  | To prepare the list ofmarks obtained by studentsin different subjects and show with the help of chart/graph the average, min and max marks in each subject. |
| 5th  | Modes of Connecting to Internet. |
| 6th  | Internet Service Providers(ISPs). |
| 3rd  | 7th  | Internet address, standard address. Internet address classes | 3rd  | Prepare a presentation explaining the facilities/infrastructure available in your college/institute. |
| 8th  | Domain name, DNS, Hierarchy of Domain name |
| 9th  | IP.v6.Modems |
| 4th  | 10th | Speed and time continuum, communications software; internet tools. | 4th  | Design Web pages containing information of the Deptt. |
| 11th | Test of Unit-1 |
| 12th | Unit-2 Introduction, Miscellaneous Web Browser details. |
| 5th  | 13th | Searching the www: Directories search engines | 5th  | Create a new document that takes the format of a business letter. Combine <P> and <BR> tags to properly separate the different parts of the documents. Such as the address, greeting, content and signature. What works best for each? |
| 14th | Meta search engines, search fundamentals, search strategies, working of the search engines |
| 15th | Telnet ,FTP and HTTP Protocols. |
| 6th  | 16th | Gophar Commands, TCP/IP | 6th  | Create a document that uses multiple <BR> and <P> tags, and put returns between <PRE> tags to add blank lines to your document see if your browser senders them differently. |
| 17th | Introduction to Browser, Coast-to-coast surfing, hypertext markup language, Web page installation. |
| 18th | Web page setup, Basics of HTML |
| 7th  | 19th | Web page setup, Basics of HTML | 7th  | Create a document using the <PRE>tags to work as an invoice or bill of sale, complete with aligned dollar values and a total. Remember not to use the Tab key, and avoid using emphasis tags like <B> or <EM> within your list. |
| 20th | Using FrontPage Express, Plug-ins. |
| 21st | Test of Unit-2 |
| 8th  | 22nd | Unit -3Introduction, advantages and disadvantages(Internet Platform and Mailing Systems) | 8th  | Create a seven-item ordered list using Roman numerals. After the fifth item, increase the next list value by 5. |
| 23rd | User Ids, Pass words, e-mail addresses, message components |
| 24th | Message composition, mailer features |
| 9th  | 25th | E-mail inner workings, E-mail management | 9th  | Beginning with an ordered list, create a list that nests both an unordered list and a definition listpatients.  |
| 26th | MIME types, Newsgroups, mailing lists |
| 27th | Chat rooms, secure-mails, SMTP |
| 10th  | 28th | PICO, Pine, Library cards catalog. | 10th  | Use the ALIGN attribute of an <IMG> tags to align another image to the top of the first image.. play with this feature, aligning images to TOP, MIDDLE and BOTTOM. |
| 29th |  Online ref. works |
| 30th | Basic and advanced HTML. |
| 11th  | 31st | Basics of scripting languages – XML. | 11th  | Create a ‘table of contents’ style page (using regular and section links) that loads a different document for each chapter or section of the document. |
| 32nd | Basics of scripting languages –+DHTML, Java Script. |
| 33th | Test of Unit-3 |
| 12th  | 34th | Unit-4Introduction to Web Servers: PWS. | 12th  | Installing internet & external modems, NIC and assign IP address. |
| 35th | Introduction to IIS, Apache.  |
| 36th | Microsoft Personal Web Server. Accessing & using these servers. |
| 13th  | 37th | Introduction to privacy and security, Software Complexity. | 13th  | Study of E-mail system |
| 38th | Attacks, security and privacy levels. |
| 39th | Security policy, accessibility and risk analysis. |
| 14th  | 40th | Encryption schemes. | 14th  | Create your own mail-id in yahoo and indiatimes.com. |
| 41th | Secure Web document. |
| 42nd |  Digital Signatures. |
| 15th  | 43rd  | Firewalls. | 15th  | Add names (mail-id’s) in your address book, compose and search an element. |
| 44th | Intrusion detection systems |
| 45th | Test of Unit-4 |