**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 of  marks obtained by students  in 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 -3  Introduction, 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-4  Introduction 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 |