

Curriculum Plan (Odd Semester 2023-24)
(Department of Computer Science)

Name of the Faculty : Sweety

Name of the Course : B.Sc. (Hons.) Computer Science

Semester : 5th Semester

Title of the Paper : Internet Technologies (Theory + Practical)

S No	Topic	References/content	Schedule
1.	Network address translation Subnet Masking	https://www.ciscopress.com/articles/article.asp?p=2 https://www.ciscopress.com/articles/article.asp?p=33 =2	August
2.	Difference between Intranet and Internet, Working of Internet Introduction to forums, blogging, portfolio, developing a responsive website JavaScript, jQuery, JSON	R1 Chapter 1 https://imtips.co/blog-or-forum.html	September
3.	Dynamic and Static Routing Domain Name Server Networking tools - ipconfig, ping, netstat, tracert Introduction to Internet Protocols: HTTP, HTTPS, FTP, SMTP, IMAP, POP3, VoIP Combining Web Applications and Mobile Applications Web Servers: Introduction, Working, Configuring, Hosting and Managing a Web server, Client-side Technologies, Server-side Technologies, and hybrid technologies	https://www.ciscopress.com/articles/article.asp?p=2180209&seqNum=3 https://www.ciscopress.com/articles/article.asp?p=2180209&seqNum=4 https://www.ciscopress.com/articles/article.asp?p=2 R3 Lesson 11 (Up to page 246) https://www.ciscopress.com/articles/article.asp?p=1687881 R1 Chapter 1-2	October

4.	<p>Proxy Servers: Introduction, Working, Type of Proxies, setting up and managing a proxy server</p> <p>NODE.js</p> <p>BOOTSTRAP</p> <p>Search Engines - components, working, optimization, Crawling, BOTS</p>	<p>https://www.varonis.com/blog/what-is-a-proxy-server/ (Up to Proxy server risks)</p> <p>https://nodejs.dev/learn/differences-between-nodejs-and-the-browser</p> <p>https://nodejs.dev/learn/run-nodejs-scripts-from-the-command-line</p> <p>https://nodejs.dev/learn/how-to-exit-from-a-nodejs-program</p> <p>https://nodejs.dev/learn/build-an-http-server</p> <p>https://nodejs.dev/learn/reading-files-with-nodejs</p> <p>https://www.w3schools.com/nodejs/nodejs_mysql.asp</p> <p>https://www.w3schools.com/bootstrap/bootstrap_get_started.asp</p> <p>https://www.w3schools.com/bootstrap/bootstrap_grid_system.asp</p> <p>https://developers.google.com/search/docs/beginner/how-search-works</p>	November
5.	<p>Introduction to cookies and sessions. Introduction to e-commerce websites and e-carts</p> <p>Revision</p>	<p>R1 Chapter 13 (Page 301-303 except Setting a cookie, Page 312-Using Sessions)</p>	December