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| Session | 2025-2026 (ODD) | Course Name | Web Technology Lab |
| Semester | 3 | Course Code | 23CT1301 |
| Roll No | 64 | Name of Student | Prem Pramod Nandurkar |

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| Practical Number | 1.A |
| Course Outcome | 1. Understand various internet technologies. 2. Design the web pages using HTML and CSS. 3. Implement the XML technology to store the data. 4. Develop the interactive web pages using JavaScript. |
| Aim | Introduction to internet(overview of internet, E-mall, www(FTP) |
| Problem Definition | Learning basic concept of web technology |
| Theory | * **Internet : -** The Internet is the backbone of the Web, the technical infrastructure that makes the Web possible. At its most basic, the Internet is a large network of computers which communicate all together. When two computers need to communicate, you have to link them, either physically   (usually with an Ethernet cable) or wirelessly (for example with Wi-Fi or Bluetooth systems). All modern computers can sustain any of those connections.   * **FTP(File Transfer Protocol** :- For many years it was the defacto standard way of transferring files, but as it is inherently insecure, it is no longer supported by many hosting accounts. Instead you should use SFTP (a secure, encrypted version of FTP) or another secure method for transferring files like Rsync over SSH. * SMTP (Simple Mail Transfer Protocol) :- SMTP (Simple Mail Transfer   Protocol) is a protocol used to send a new email. Like POP and NNTP, it is a state machine-driven protocol. The protocol is relatively straightforward. Primary complications include supporting various authentication mechanisms (GSSAPI, CRAM-MD5, NTLM, MSN, AUTH LOGIN, AUTH PLAIN, etc.), handling error responses, and falling back when authentication mechanisms fail (e.g., the server claims to support a mechanism, but doesn't).   * **WWW(World Wide Web) :-** The World Wide Web -- also known as the web,   WWW or W3 -- refers to all the public websites or pages that users can access on their local computers and other devices through the internet. These pages and documents are interconnected by means of hyperlinks that users click on for information. |
|  | ❖ **EMAIL :-** Electronic mail, commonly shortened to “email,” is a communication method that uses electronic devices to deliver messages across computer networks. "Email" refers to both the delivery system and individual messages that are sent and received. |
| Link of Student Github Profile | https://github.com/Nandurkar-Prem |
| Conclusion | Through this practical, students gained a foundational understanding of core Internet technologies such as FTP, WWW, Email protocols, and the overall working of the Internet. This knowledge is essential for designing and developing web applications. |
| Date | 3rd August 2025 |