Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
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Department of Computer Technology

Vision of the Department

To be a well-known centre for pursuing computer education through innovative pedagogy, value-based education and industry collaboration.

Mission of the Department

To establish learning ambience for ushering in computer engineering professionals in core and multidisciplinary area by developing Problem-solving skills through emerging technologies.

Session 2025-2026

Vision: Dream of where you want.	**Mission:** Means to achieve Vision

Program Educational Objectives of the program (PEO): (broad statements that describe the professional and career accomplishments)

PEO1	**Preparation**	**P: Preparation**	**Pep-CL abbreviation pronounce as Pep-si-lL easy to recall**
PEO2	**Core Competence**	**E: Environment (Learning Environment)**	
PEO3	**Breadth**	**P: Professionalism**	
PEO4	**Professionalism**	**C: Core Competence**	
PEO5	**Learning Environment**	**L: Breadth (Learning in diverse areas)**	

Program Outcomes (PO): (statements that describe what a student should be able to do and know by the end of a program)

Keywords of POs:
Engineering knowledge, Problem analysis, Design/development of solutions, Conduct Investigations of Complex Problems, Engineering Tool Usage, The Engineer and The World, Ethics, Individual and Collaborative Team work, Communication, Project Management and Finance, Life-Long Learning

PSO Keywords: Cutting edge technologies, Research

"I am an engineer, and I know how to apply engineering knowledge to investigate, analyse and design solutions to complex problems using tools for entire world following all ethics in a collaborative way with proper management skills throughout my life." *to contribute to the development of cutting-edge technologies and Research*.

Integrity: I will adhere to the Laboratory Code of Conduct and ethics in its entirety.

Name and Signature of Student and Date
(Signature and Date in Handwritten)

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Session	**2025-26 (ODD)**	**Course Name**	**Web Technology Lab**
Semester	**3**	**Course Code**	**23CT1301**
Roll No	**B-173**	**Name of Student**	**Vedant H.Kapgate**

Practical Number	**1A**
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-mail, www, FTP).**
Problem Definition	**Understanding the Basic Concepts of Internet, Email, WWW, FTP, and Broadband—is crucial in today's digital communication and networking landscape**
Theory (100 words)	**1. Internet (The Giant Connection Machine)** Imagine a giant invisible web that connects computers and devices all over the world—yeah, that's the Internet. It lets you send messages, browse websites, make video calls, watch videos, and much more. It's like a massive group chat for computers—governments, schools, companies, and regular people like you and me are all part of it. When your phone or computer is connected to it, we say it's online. The Internet is made possible using something called TCP/IP protocols, which are basically rules that help devices talk to each other clearly. It's often called a "network of networks" because it connects tons of smaller networks into one huge one. **2. Email (Modern-Day Letterbox)** Email is like sending a letter, but way faster—and it flies across the Internet instead of using paper or postmen. You can send messages to anyone in the world, instantly. It works with three parts: sender, receiver, and the message. Emails are stored on servers so you can read old ones whenever you want. First email ever? Sent in 1971 by Ray Tomlinson—he even chose the "@" symbol! It's a go-to for everything from casual chatting to job offers and official notices. **3. WWW (The Web You Surf)** The World Wide Web (or just the Web) is what you're probably using when you say you're "browsing the internet." It's all the websites and web pages out there. Invented by Tim Berners-Lee in 1989 at CERN (a physics lab)

	Lets you jump from one page to another using links—like a choose-your-own-adventure book. Websites use HTML for content, HTTP to load it, and URLs (like addresses) to find it. It's where you get stuff like YouTube, Google, Wikipedia, news sites, blogs—you name it. **4. Broadband (Fast Internet That Never Sleeps)** Broadband is the fast, always-on type of internet we use today. Unlike the old dial-up where you had to wait and hear weird sounds, broadband just works—instantly. Minimum speed: 25 Mbps download and 3 Mbps upload (that's the basic level of "fast"). Types of broadband: • Fiber Optic – Super fast; uses light through glass cables. • Wi-Fi / 5G – Wireless and perfect for smartphones and laptops. • DSL – Runs through telephone wires. • Cable – Uses your TV cable line. • Satellite – Reaches far-off places where other types can't. **5. FTP (File Moving Super Tool)** FTP (File Transfer Protocol) is like a digital moving truck—it helps you send files from one computer to another over the Internet. Used when people want to upload files to a website or download something from a server. Works in two parts: • Control connection – Like giving instructions. • Data connection – Actually moves the files. Why we use FTP: • Easy and reliable way to share big files. • Helps us access files stored on other systems. • Works smoothly even between different types of computers (Windows, Linux, etc.).
Procedure and Execution (100 Words)	Step for Implementation: **NA**

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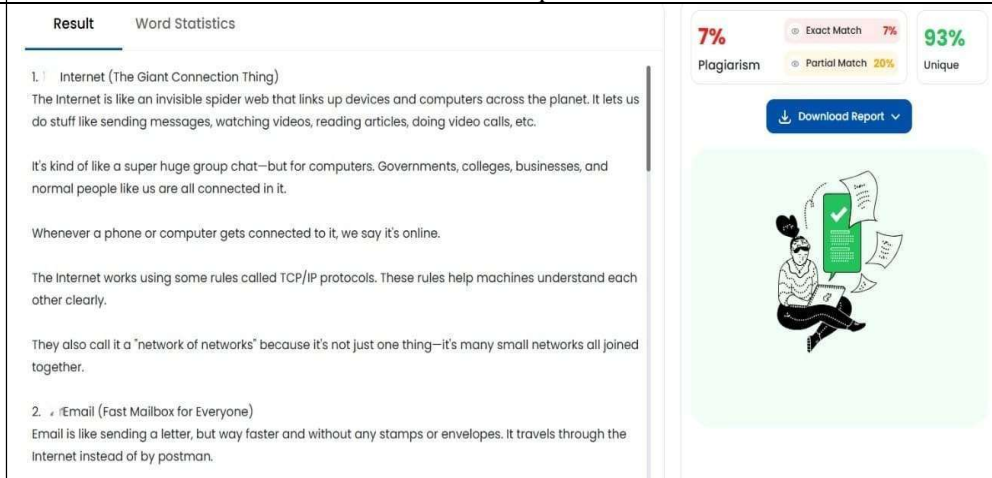
	Code: **NA**
	Output: **NA**
Output Analysis	**NA**
Link of student Github profile where lab assignment has been uploaded	**https://github.com/vedant0517/Web-Technology-SEC-B-173**
Conclusion	We have successfully understanded the concept of Internet, Email, WWW, FTP, and Broadband—is crucial in todays digital communication and networking landscape
Plag Report (Similarity index < 12%)	
Date	**29/07/2025**