

Sanjivani Rural Education Society's
SANJIVANI COLLEGE OF ENGINEERING
KOPARGAON - 423 603
(An Autonomous Institute)

Department _____ Engineering

PRACTICAL / TERM - WORK REPORT

Subject Web technology lab.

Name of the Student Wakchaure Shradha Vilas

Class TY - IT Division B

Batch No. T3 B. Roll No. 138

Name of the Experiment / Title of Term Work case study on website.

Evaluation and planning.

Experiment / Term - Work No. : 01.

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Checked by prof. S. Muthuraj. sir.

(Name of the Teacher)

Remarks

$$4+4+2=10$$

Signature

27/2/26

Date

27/2/26

SANJIVANI COLLEGE OF ENGINEERING, KOPARGAON

(An autonomous Institute affiliated to SPPU Pune)

Department of Information Technology

Academic Year 2025-26 Sem-2



Web Technology Laboratory (PCIT311)

Report on:

Case Study on Website Evaluation and Planning

Submitted by:

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Class / Year: TY B.Tech (B)

Assignment No – 1

Case Study on Website Evaluation and Planning

Introduction:

In the digital era, websites are essential for communication and services, and proper planning is crucial to ensure good usability and performance. This assignment uses a case study approach to analyze existing websites, identify their strengths and weaknesses, and evaluate their design quality. The objective is to study multiple websites from different domains to understand good design practices and common issues in website development.

Objectives:

- To understand the importance of proper website planning before development.
- To analyze real-world websites from different domains.
- To identify the strengths and weaknesses of website design.
- To evaluate websites based on usability, design, content, and performance.
- To understand best practices and common issues in web development.
- To apply these learnings while developing future web projects.

◆ WEBSITE 1: TRYHACKME

Website URL: <https://tryhackme.com/>

Domain: .com (Commercial / Educational)

Purpose of Website

TryHackMe is an online cybersecurity learning platform designed to teach ethical hacking, penetration testing, and defensive security using hands-on practical labs.

Founder: Ben Spratling

Target Audience

Cybersecurity beginners, IT/CS students, ethical hackers, SOC analysts, and professionals preparing for security roles.

Technologies Used

- HTML
- CSS
- JavaScript
- Python
- Linux virtual machines
- cloud infrastructure
- networking and security tools

Website Features

- Interactive virtual labs
- Guided learning paths
- Real-world attack and defense scenarios
- Browser-based machines
- Progress tracking and certificates

Likes

- Hands-on practical learning
- Beginner-friendly explanations
- No local setup required

Dislikes

- Advanced content is paid
- Requires strong internet connectivity

Advantages

- Improves real-world cybersecurity skills
- Industry-oriented training
- Excellent for career preparation

Overall Evaluation: GOOD

Website Summary

TryHackMe is an interactive online platform focused on practical cybersecurity learning. It allows users to perform real hacking and defense techniques in a safe, controlled virtual environment. The platform emphasizes hands-on labs rather than just theory, making learning more effective. It provides guided learning paths for beginners as well as advanced challenges for professionals. TryHackMe is widely used by students and aspiring cybersecurity professionals to build job-ready skills.

◆ WEBSITE 2: WIKIPEDIA

Website URL: <https://www.wikipedia.org>

Domain: .org (Organization)

Purpose of Website

Wikipedia provides free and open access to encyclopedic knowledge on millions of topics across various fields.

Founder: Jimmy Wales

Target Audience

Students, teachers, researchers, and the public.

Technologies Used

- MediaWiki software
- HTML
- CSS
- JavaScript
- PHP
- MySQL

Website Features

- Multi-language support
- Editable articles
- References and citations
- Category-based navigation

Likes

- Free and open access
- Huge range of topics
- Easy navigation

Dislikes

- Anyone can edit articles
- Information accuracy may vary

Advantages

- Promotes open knowledge
- Useful for quick learning and overview

Overall Evaluation: GOOD**Website Summary**

Wikipedia is a free, web-based encyclopedia that provides information on a vast range of topics. It follows a collaborative model where users can create, edit, and update articles. The website supports multiple languages and is accessible worldwide. Wikipedia is commonly used for quick reference and general understanding of topics. However, since content is user-edited, accuracy can vary and should be verified.

◆ WEBSITE 3: SANJIVANI COLLEGE OF ENGINEERING, KOPARGAON

Website URL: <https://sanjivanicoe.org.in/>

Domain: .org.in (Educational Organization)

Purpose of Website

The official website of Sanjivani College of Engineering provides academic, admission, placement, and institutional information.

Owner / Management

Sanjivani Rural Education Society

Target Audience

Students, parents, faculty members, and admission seekers.

Technologies Used

- HTML
- CSS
- JavaScript
- PHP
- MySQL

Website Features

- Department and course details
- Admission and placement updates
- Notices and announcements
- Contact and location information

Likes

- Detailed academic information
- Official and reliable data
- Useful for admissions

Dislikes

- Basic and outdated design
- Text-heavy pages

Advantages

- Easy access to official information
- Helpful for students and parents

Overall Evaluation: GOOD

Website Summary

Sanjivani College of Engineering website serves as an official information portal for the institution. It provides details about academic programs, departments, admissions, placements, and campus activities. The website helps students and parents access authentic and updated institutional information. It also publishes notices, announcements, and contact details. Overall, it acts as a reliable source for academic and administrative communication.

◆ WEBSITE 4: INDIA.GOV.IN

Website URL: <https://www.india.gov.in>

Domain: .gov.in (Government – India)

Purpose of Website

India.gov.in is the national portal of India providing access to government services, schemes, policies, and official information.

Owner

Government of India

Target Audience

Indian citizens, government employees, researchers.

Technologies Used

- HTML
- CSS
- JavaScript
- government web frameworks
- secure databases

Website Features

- Citizen services and schemes
- Links to ministries and departments
- Government announcements
- Secure access to official data

Likes

- Trusted and official information
- Wide range of services

Dislikes

- Slow loading at times
- Outdated interface

Advantages

- Reliable government data
- Improves citizen access to services

Overall Evaluation: GOOD

Website Summary

India.gov.in is the national portal of India designed to provide government-related information and services. It acts as a single window for accessing schemes, policies, and official announcements. The website promotes transparency and digital governance. Citizens can find links to various ministries and public services. It is a trusted source for official and verified government data.

◆ WEBSITE 5: TIMES OF INDIA

Website URL: <https://timesofindia.indiatimes.com/>

Domain: .com (Commercial)

Purpose of Website

The Times of India website provides national and international news, current affairs, and digital newspaper services.

Owner / Organization

Bennett, Coleman & Co. Ltd. (The Times Group)

Target Audience

General public, students, professionals, competitive exam aspirants.

Technologies Used

- HTML
- CSS
- JavaScript
- React components
- CMS platforms
- cloud hosting

Website Features

- Breaking news and live updates
- E-paper and regional editions
- Multimedia content (videos, images)
- Mobile-responsive design

Likes

- Fast news updates
- Wide coverage of topics
- Multimedia-rich content

Dislikes

- Too many advertisements
- Some content behind paywall

Advantages

- Reliable and reputed news source
- Useful for current affairs

Overall Evaluation: GOOD

Website Summary

Times of India website is a leading digital news platform in India. It provides real-time updates on national and international news, politics, business, sports, and entertainment. The website combines text, images, and videos to enhance news consumption. It also offers e-paper and regional editions. Due to advertisements and premium content, user experience may sometimes be affected.

◆ WEBSITE 6: COURSERA

Website URL: <https://www.coursera.org/>

Domain: .org (Educational Organization)

Purpose of Website

Coursera offers online courses, certifications, and degree programs from universities and companies worldwide.

Founders

Andrew Ng and Daphne Koller

Target Audience

Students, working professionals, and lifelong learners.

Technologies Used

- HTML
- CSS
- JavaScript
- cloud computing
- AI-based recommendation systems

Website Features

- Video-based courses
- Quizzes and assignments
- Certificates and degrees
- Mobile and web access

Likes

- High-quality content
- Recognized certificates
- Flexible learning

Dislikes

- Paid certificates
- Some courses are expensive

Advantages

- Career-oriented learning
- Global university access

Overall Evaluation: GOOD**Website Summary**

Coursera is an online education platform offering courses and certifications from top universities and companies. It provides flexible learning through video lectures, quizzes, and assignments. The website helps learners gain industry-relevant and career-oriented skills. Courses cover a wide range of subjects including IT, data science, and management. Some advanced courses and certificates require payment.

SUMMARY

Sr. No	Website URL	Purpose of website	Things liked in the website	Things disliked in the website	Overall evaluation of the website (Good/ Bad)
1	https://tryhackerme.com/	Online platform for cybersecurity training with interactive labs, challenges, and guided paths	Hands-on practical labs Structured learning paths Beginner friendly	Some advanced content is paid Requires strong internet	GOOD

2	https://www.wikipedia.org	Provides free online encyclopedia and knowledge resources	Free access Wide range of topics Easy navigation	Content can be edited by anyone Not always reliable	GOOD
3	https://sanjivanicoe.org.in/	Official website of Sanjivani College of Engineering , an autonomous engineering institute offering undergraduate and postgraduate programs, admissions, departments, placements, and academic resources.	Provides detailed information about courses and departments. Easy online admission links and placement highlights. Contact details and location of the college clearly listed.	The design and layout are basic and not very modern . Some pages load long and have lots of text without visuals.	GOOD
4	https://www.india.gov.in	Indian government portal providing citizen services and information	Trusted information Public services access	Slow loading sometimes Interface not very modern	GOOD
5	https://timesofindia.indiatimes.com/	Provides national and international news, current affairs, and digital newspaper services	Fast updates, wide news coverage, multimedia content	Too many ads, some paid content	GOOD
6	https://www.coursera.org/	Offers online courses and certifications from top universities and companies	High-quality courses Recognized certificates Wide subject range	Many courses are paid Some certificates cost extra	GOOD

Conclusion:

This case study highlights the importance of proper planning and analysis before developing a website. By evaluating real-world websites from different domains, it becomes clear that good usability, clear navigation, responsive design, and optimized performance are essential for a positive user experience. The study also reveals common design and performance issues that can negatively affect users if not addressed early. Overall, this analysis provides valuable insights into best practices and common mistakes in web development, which can be applied to build more effective, user-friendly, and professional websites in the future.