Week 8: Industrial Training Report

Overview

Week 8 of the industrial training at **Auribises Technologies Pvt. Ltd.** focused on the **final phase of project completion**, emphasizing **documentation, testing, and deployment**.

Students learned how to prepare **professional technical documentation**, **generate project reports**, and **deploy their developed web applications** using **GitHub Pages** and related hosting platforms.

This week marked the culmination of the entire training process — transitioning from project development to public presentation and deployment.

Day 36: Technical Documentation and Report Writing

The thirty-sixth day introduced the importance of **documentation** in software projects.

Students learned to create detailed reports including system design, project architecture, and implementation details. They used **Google Docs** and **Markdown (.md)** formatting for structured, consistent, and professional report creation.

Topics Covered:

- Importance of documentation in software engineering
- Writing project abstracts, objectives, and methodologies
- Describing system architecture and data flow diagrams
- Formatting and structuring final reports
- Using Google Docs and Markdown for project documentation

Example: Report Structure

```
1. Introduction
2. Objective of the Project
3. System Design and Architecture
```

```
4. Implementation Details
5. Results and Outputs
6. Conclusion and Future Scope
```

Snippet: Example Abstract

> The project "ClarifAI – Smart Study Assistant" is an AI-powered application that summarizes notes, answers academic questions, and enhances student learning efficiency using OpenAI API integration.

Day 37: Preparing ReadMe and Project Summary Files

Day 37 focused on creating **README** and **documentation files** for the GitHub repository.
Students learned to write descriptive README files that explained the purpose, setup instructions, and usage of their projects. They also added screenshots, badges, and contact information to make their repositories more professional and shareable.

Topics Covered:

- Writing detailed README.md files
- Including installation steps and prerequisites
- Adding screenshots and media for project visualization
- Linking live demo and license information
- Introduction to Markdown syntax

Example: README.md File

```
# ClarifAI – Smart Study Assistant 🤖
ClarifAI is an AI-powered chatbot and note summarizer built
using Python, Streamlit, and OpenAI API.

## Features
```

```
- Summarizes text and YouTube videos
- Answers academic questions
- Stores user notes using MongoDB

## Installation
1. Clone the repository
   `git clone https://github.com/username/ClarifAI.git`
2. Install dependencies
   `pip install -r requirements.txt`
3. Run the app
   `streamlit run app.py`

## Live Demo
[View Project on GitHub
Pages](https://username.github.io/ClarifAI)
```

Day 38: Website Deployment Using GitHub Pages

Day 38 introduced **website deployment**, where students learned how to host their frontend web applications on **GitHub Pages** for public access.
They practiced version control using **Git and GitHub**, pushing their code repositories and configuring pages for static hosting.

Topics Covered:

- Introduction to Git and GitHub version control
- Creating repositories and managing branches
- Committing and pushing project files
- Configuring GitHub Pages for static site hosting
- Testing and sharing live project links

Example: Deployment Steps

1. Create a new repository on GitHub

Push project files using the following commands:

```
 git init
git add .
git commit -m "Initial project commit"
git branch -M main
git remote add origin https://github.com/username/project.git
git push -u origin main
```

2.
3. Go to **Settings → Pages → Source → main branch → /root**

4. Click **Save** to publish the website

5. Access your live website via:
 `https://username.github.io/project`

Day 39: Final Testing and Presentation Preparation

On Day 39, students focused on **testing their deployed projects** and preparing for the **final presentation**.
They verified UI responsiveness, link functionality, and API integration on the hosted version of their web apps.
Additionally, they created PowerPoint presentations and demonstration videos summarizing their training journey.

Topics Covered:

- UI and cross-browser testing

- Debugging hosted applications

- Final project demonstration preparation

- Presentation slide design using Google Slides or PowerPoint
- Integrating screenshots, diagrams, and flowcharts

Example: Presentation Slide Outline

1. Title and Team Members
2. Introduction to Project
3. Technologies Used
4. System Workflow
5. Features and Outputs
6. Conclusion and Future Enhancements

Day 40: Final Evaluation and Submission

The last day of the training program was dedicated to **final evaluation and submission**.
Students presented their projects to mentors, highlighting the technical implementation, challenges faced, and solutions applied.
All final documents, reports, and hosted links were submitted for review.

Topics Covered:

- Project presentation and demonstration
- Evaluation by mentors and peer review
- Submission of reports, codebase, and documentation
- Reflection on learning outcomes
- Closing remarks and feedback session

Example: Submission Deliverables

```
✔ Project Report (Google Docs / PDF)
✔ Source Code (GitHub Repository)
✔ Deployed Website Link
✔ Presentation Slides
✔ Demonstration Video (optional)
```

Summary

Week 8 marked the completion of the **Industrial Training Program**, where students transformed their technical learning into a **professional deliverable**.
They mastered the end-to-end process of software deployment — from writing project documentation to hosting web applications on GitHub Pages.

The week reinforced the importance of **presentation, documentation, and version control** in professional software development, preparing students for future real-world industry practices.