

P.D. PANDYA INSTITUTE OF COMPUTER APPLICATION

Semester-V Software Development Project-I

Project Title: Disha Computer Classes

1. Project Definition:

This project involves the development of an interactive website for an educational institute named Disha Computer Classes. The system will manage course listings, student enrolments, batch allocation, online exams, learning materials, and certifications. Students can view course details, enrol online, participate in interactive lessons and forums, take quizzes, and download certificates upon completion. The platform will also manage books, lab resources, and provide real-time batch seat tracking.

2. Company Description:

Company Name: Disha Computer Classes

Overview: Disha Computer Classes is a local computer training institute that offers certification courses such as Java, Python, and Web Designing. It aims to simplify learning through a digital platform.

Owner Name:

Phone Number:

Location:

3. Tools and Technology:

Component	Details
FrontEnd	HTML, CSS, JavaScript
BackEnd	Python
Database	MySQL
Web Server	VS Code (Live Server)
Documentation Tools	MS Word 2021, MS PowerPoint 2021

4. System Overview:

Existing System:

Currently, Disha Computer Classes handles course enrolment's manually. Students inquire in person, seat availability is updated on paper or Excel, and certificates are created offline. There is no online access to course material, batch tracking, or forums.

Proposed System:

A digital platform will be created to:

Display courses with duration, fees, and details

Enable online student registration and enrolment

Show real-time batch and seat availability

Provide interactive learning hub (videos, quizzes)

Allow certification through online exams

Manage resource booking (books, lab tools)

Offer a forum for student-teacher interaction

5. Group Members:

Division	Roll No.	Full Name
A	23	Dhruv Patil
A	20	Deepak Patel
A	147	Mayur Lodha
C	145	Musef Qureshi

6. List of Modules:

1. Course & Enrollment Module
 2. Dynamic Batch & Seat Management Module
 3. Interactive Learning Hub
 4. Online Exam & Certification Module
 5. Community Forum Module
 6. Library & Resource Booking Module
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7. Brief Description of Each Module:

1. Course & Enrollment Module

Students can view available courses (e.g., Java, Python, Web Designing)

Course details include duration, fees, and description

Direct enrollment feature with profile creation

2. Dynamic Batch & Seat Management Module

Admin can create and manage batches

Real-time seat availability updates as students join or leave

No need for manual refresh

3. Interactive Learning Hub

Video-based learning materials

Quizzes to test knowledge

Track student progress and completion

4. Online Exam & Certification Module

Conduct timed quizzes or exams online

Auto-evaluation and result generation

Generate downloadable PDF certificates

5. Community Forum Module

Simple Q&A section for discussions

Tutors and peers can respond to questions

Encourages collaboration and learning

6. Library & Resource Booking Module

Students can view and request books or lab tools

Admin approves or denies based on availability

System tracks due dates and alerts for overdue