**BASAVARAJESWARI GROUP OF INSTITUTIONS**

**Ballari Institute of Technology & Management**

**AUTONOMOUS INSTITUTE UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITYJNANA SANGAMA, BELAGAVI 590018**

**INTERNSHIP**

**Report On**

# COURSE RESOURCE SHARING PLATFORM

Submitted in partial fulfilment of the requirements for the award of degree of

**Bachelor of Engineering**

**In**

**COMPUTER SCIENCE AND ENGINEERING**

## Submitted by

**CHINMAYI**

**3BR23CS037**

## Internship Carried Out By

**EZ TRAININGS & TECHNOLOGIES PVT.LTD**

**Internal Guide External Guide**

**RAGHAVAN**

**Technical Trainer**

### BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

NACC Accredited Institution\*

**(Recognized by Govt. of Karnataka, approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)**

**"Jnana Gangotri" Campus, No.873/2, Ballari- Hospet Road, Allipur, Ballar1-583 104 (Karnataka) (India) Ph: 08392 – 237100 / 237190, Fax: 08392 – 237197**

**2024-2025**

**BASAVARAJESWARI GROUP OF INSTITUTIONS**

## BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

**Autonomous institute under VISVESVARAYA TECHNOLOGICAL UNIVERSITYJNANA SANGAMA,**

**BELAGAVI 590018**

NACC Accredited Institution\*

**(Recognized by Govt. of Karnataka, approved by AICTE, New Delhi & Affiliated to**

**Visvesvaraya Technological University, Belagavi)**

### "JnanaGangotri"Campus,No.873/2,Ballari-HospetRoad,Allipur,

**Ballar1-583 104 (Karnataka)(India)**

**Ph: 08392 – 237100 / 237190, Fax: 08392 –237197**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

# CERTIFICATE

This is to certify that the Internship entitled **“COURSE RESOURCE SHARING PLATFORM”** has been successfully completed by **CHINMAYI** bearing USN **3BR23CS037** a bonafide student of Ballari Institute of Technology and Management,

Ballari. For the partial fulfilment of the requirements for the **Bachelor’s Degree in Computer**

**Science and Engineering** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

Belagavi during the academic year 2024-2025.

**Signature of Internship Signature of HOD**

**Co-ordinator**

**R N KULKARNI**

**Prof. and HOD(CSE)**

**DECLARATION**

I, **CHINMAYI,** second year student of Computer Science and Engineering, Ballari

Institute of Technology, Ballari, declare that Internship entitled **“COURSE RESOURCE SHARING PLATFORM”** is a part of Internship Training successfully carried out by **EZ TECHNOLOGIES & TRAININGS PVT.LTD** at “**BITM,BALLARI”.** This report is submitted in partial fulfilment of the requirements for the award of the degree, Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi.

**Date : 28-09-2024 Signature of the Student**

**Place : BALLARI**

**ACKNOWLEDGEMENT**

The satisfactions that a company the successful completion of my internship on “COURSE RESOURCE SHARING PLATFORM” would be incomplete without the mention of people who made it possible, whose noble gesture, affection, guidance, encouragement and support crowned my efforts with success. It is my privilege to express my gratitude and respect to all those who inspired me in the completion of my internship.

I am grateful to our respective coordinator for his noble gesture, support co-ordination and valuable suggestions given to me in the completion of Internship.

I also thank **R N Kulkarni,** H.O.D. Department of **Computer science and engineering** for extending all his valuable support and encouragement.

**COMPANY PROFILE**

**Company Name: EZ Trainings and Technologies Pvt. Ltd.**

**Introduction:**

EZ Trainings and Technologies Pvt. Ltd. is a dynamic and innovative organization dedicated to providing comprehensive training solutions and expert development services. Established with a vision to bridge the gap between academic learning and industry requirements, we specialize in college trainings for students, focusing on preparing them for successful placements. Additionally, we excel in undertaking development projects, leveraging cutting-edge technologies to bring ideas to life.

**Mission:**

Our mission is to empower the next generation of professionals by imparting relevant skills and knowledge through specialized training programs. We strive to be a catalyst in the career growth of students and contribute to the technological advancement of businesses through our development projects.

**Services:**

**College Trainings:**

* Tailored training programs designed to enhance the employability of students.
* Industry-aligned curriculum covering technical and soft skills.
* Placement assistance and career guidance.

**Development Projects:**

* End-to-end development services, from ideation to execution.
* Expertise in diverse technologies and frameworks.
* Custom solutions to meet specific business needs.

**Locations:** Hyderabad | Delhi NCR

At EZ Trainings and Technologies Pvt. Ltd., we believe in transforming potential into excellence

**Day to Day Activity:-**

|  |  |  |
| --- | --- | --- |
| **Days** | **Topic** | **Topic** |
| **Day 01** | **Introduction to python(data types, variable)** | **Keywords, comments , indentations, operators** |
| **Day 02** | **Conditional statements, looping** | **Problem solving using loops and pattern programs** |
| **Day 03** | **Functions, string operations, Problem solving** | **Recursion, class and object, constructor** |
| **Day 04** | **List, Tuple** | **Set, Dictionary (Problem solving using list, tuple)** |
| **Day 05** | **OOPS(Inheritance, Polymorphism)** | **Encapsulation, Abstraction** |
| **Day 06** | **Exceptional handling, File handling** | **Problem solving** |
| **Day 07** | **Problem solving (15 ques)** | **Problem solving (10 ques)** |
| **Day 08** | **Revision and scenarios**  **Problem solving** | **Revision and scenarios**  **Problem solving** |
| **Day 09** | **Modules and packages** | **OOPS revision** |
| **Day 10** | **Introduction to D.S, Big O (time complexity, class pointers)** | **Introduction to linked list (get, self, insert, remove)** |
| **Day 11** | **Linked list, stack (Push, pop, is full, is empty, peak, display)** | **Queue (constructor, enqueue, dequeue), priority queue** |
| **Day 12** | **Bubble sort, selection sort, insertion sort** | **Merge sort and task in sorting** |
| **Day 13** | **Recursion, Quick sort (5 problems)** | **Linear search and problem solving(Assessment)** |
| **Day 14** | **Binary search, Introduction to Trees, Tree traversal** | **Traversal, insertion searching(BFS, DFS)** |
| **Day 15** | **Introduction to graph (BFS, DFS), introduction to graph algorithm** | **Project team separation and discussing the problem statement with each team** |
| **Day 16** | **Project implementation** | **Project implementation and problem solving in reinprep portal** |
| **Day 17** | **Project implementation**  **Phase-01** |  |

**COURSE RESOURCE SHARING PLATFORM**

* **Definition:** A course resource sharing platform is an online system designed to centralize and facilitate the sharing of educational materials such as textbooks, lecture notes, multimedia content, and assignments among educators and students.
* **Importance:** This platform addresses the challenge of fragmented resource access, supports collaboration among users, and helps ensure that educational resources are available to a wider audience.

## KEY FEATURES

1.User Registration/Login: Users can create an account to access the platform, ensuring that all activities are linked to verified identities.

2.Resource Upload/Download: Users can upload educational materials (e.g., notes, videos) for others to access and download.

3.Search Functionality: Users can search for specific resources using keywords, filters, and categories.

4.User Feedback/Rating System: Users can rate resources and provide feedback, which helps others gauge the quality of materials.

## CURRENT PROBLEMS

1.Fragmentation:

Resources are dispersed across various platforms or physical locations, leading to inefficiency and difficulty in access.

2.Lack of Standardization:

Different file formats and standards result in compatibility issues and hinder effective sharing and use of resources.

3.Accessibility Issues:

Disparities in access to resources based on geographic, economic, or technological factors limit the ability of some students and educators to benefit from available materials.

* Platform Description:
* A centralized digital repository where users can upload, categorize, and access educational materials.
* Features might include a search engine, user profiles, rating systems, and customizable access permissions.
* How It Addresses Problems:
* Centralization: Aggregates resources in one place to improve accessibility.
* Standardization: Provides tools for converting and managing various formats.
* Enhanced Accessibility: Ensures resources are available to all users with internet access

**PROPOSED SOLUTION**

1. User Registration: Users sign up with basic information and create a profile.
2. Resource Upload: Users upload materials to the platform, tagging them with relevant metadata (e.g., subject, level, file type)
3. Search Functionality: Users search for resources using keywords, filters, and categories.
4. Access and Retrieval: Users access and download resources, with options for previewing and sharing.
5. Feedback and Interaction: Users can rate and comment on resources, providing feedback to other users.

## 

## ALGORITHM OVERVIEW

* **Centralized Access:** Simplifies finding and managing resources.
* **Enhanced Collaboration:** Encourages sharing and interaction among users.
* **Improved Resource Management:** Streamlines the organization and tracking of educational materials.
* **Accessibility:** Expands access to resources for a broader audience, including those in underserved areas.

DISADVANTAGES:

ADVANTAGES:

* **Privacy Concerns:** Risk of sensitive or proprietary information being exposed if security measures are not robust.
* **Dependency on Platform:** Users may become overly reliant on the platform, and technical issues could disrupt access.
* **Implementation Costs:** Developing and maintaining the platform could require significant financial and technical resources.

**Table of Contents**

|  |  |  |
| --- | --- | --- |
| **Chapter No.** | **Chapter Name** | **Page No.** |
| **1** | **Company Profile** | **01-05** |
| **2** | **Day to day activity (student dairy extend)** | **06-07** |
| **3** | **Introduction of the project** | **08** |
| **4** | **Description** | **09-11** |
| **5** | **Algorithm** | **12** |
| **6** | **Advantages and disadvantages** | **13** |