

**Dept. of Computer Science and Engineering (Data Science)**  
**Adichunchanagiri Institute of Technology, Chikkamagaluru**

**Mini - Project Synopsis**

**TITLE: Data Science Department Resource Hub**

**Problem Statement:** To design a centralized web-based resource hub that addresses issues of scattered academic materials, inefficient access, and poor organization of previous year question papers, project titles, and syllabi in the Data Science department.

**Description:** To develop a centralized web-based resource hub that organizes and provides easy access to previous year question papers, project titles, and syllabus copies, enabling students and faculty to efficiently manage, share, and retrieve academic materials, thereby improving coordination, reducing time wastage, and ensuring structured resource management within the Data Science department.

**Expected Outcomes:** The Data Science Department Resource Hub will provide a centralized web-based platform for managing academic resources such as previous year question papers, project titles, and syllabus copies. Faculty will be able to securely upload and organize materials, while students can easily access and view them anytime. The system will reduce time wasted searching for resources, eliminate duplication, and ensure structured and efficient management of departmental academic materials, improving coordination and supporting effective learning.

**Technologies and Tools:**

**Languages:** Python, HTML, CSS, JavaScript

**Frameworks:** Django (backend), Bootstrap/Tailwind CSS (frontend)

**Database:** SQLite

**Libraries:** Django ORM (Object Relational Mapping)

**Tools:** VS Code / PyCharm, GitHub

**Team Members:**

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**Signature of the Guide with date**

**Signature of the Coordinators with date**

