ALLIANCE UNIVERSITY

Private University established in Karnataka State by Act No.34 of year 2010
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Alliance School of Advanced Computing

BTECH CSE – DA

VI th Semester

Software Engineering and Agile Development (6CS 1016)

Lab Batch Details

S. No	Student Name	Role	Signature	Project Title
1	**P Bhanuprakash**	**Project Manager**		**E – Book Management System**
2	**Mayavathi S**	**Documentation Lead**		
3	**P Saideepthi**	**Lead Developer**		
4	**S Meghana**	**QA Lead**		

Project Manager Email Id & Cell Phone Number:
{bpolarpubtech23@ced.alliance.edu.in}{8919038058}

1. Problem Statement

In today's digital era, educational institutions, libraries, and individuals increasingly rely on electronic resources for learning and information access. However, traditional methods of managing books—such as physical libraries or unorganized digital files—remain inefficient, time-consuming, and difficult to maintain. Users often face challenges in searching for specific books, tracking availability, managing versions, and accessing content remotely. Additionally, manual record-keeping can lead to data loss, duplication, and poor resource utilization.

The "E-Book Management System" aims to overcome these limitations by providing a centralized digital platform where users can store, organize, search, and access e-books efficiently. The system allows users to browse books by categories, authors, or keywords, view book details, and access digital content anytime and anywhere. This reduces dependency on physical storage and improves accessibility and convenience for users.

From an administrative perspective, managing a large collection of e-books manually is challenging. Administrators face difficulties in uploading books, maintaining metadata, monitoring usage, and controlling access. The proposed system addresses these challenges by offering an admin dashboard that enables efficient book management, user control, and system monitoring, ensuring smooth and organized operations.

Security is another major concern in digital content management. Unauthorized access, data breaches, and copyright violations can compromise sensitive information and digital assets. The E-Book Management System incorporates secure authentication mechanisms, role-based access control, and data protection techniques to safeguard digital content and user information.

Thus, this project aims to develop a secure, efficient, and user-friendly E-Book Management System that enhances digital reading experiences, simplifies book management processes, and improves overall efficiency for both users and administrators.