

PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004

DEPARTMENT OF COMPUTER APPLICATIONS

MCA Second Year Semester IV

23MX41 MAJOR PROJECT

ROLL NUMBER	NAME	PROJECT TITLE	GUIDE
23MX322	Rahul G	ResourceHub – Platform for college students to share digital and physical resources	Dr Geetha N

Abstract:

The ResourceHub project aims to provide an all-in-one platform where students can access academic resources like study guides, handwritten notes, previous year question papers etc. Built on a technology stack comprising of React for responsive frontend, Node.js and ExpressJS for server-side scripting and MongoDB for efficient data storage, the platform aims to provide students with all the resources required to ace their college.

Users register using their official credentials gaining access to role specific functionalities depending on whether they are admin or user. Users can upload books, guides and study materials for exchange or donation, they can upload previous year question papers, PDFs, handwritten notes, presentations etc which will be classified according to year and department. It also consists of a quiz module where users can engage in interactive quizzes on various topics and can see their scores on a leaderboard. The platform also consists of a user profile where the user can see their contributions, uploads, and analytics. The admin dashboard enables admins to moderate content, remove harmful or misleading information and delete fake accounts. They can also view change user roles from user to admin and vice-versa.

By fostering an environment where students can exchange study resources and excel in academics and other skills this platform provides a great learning opportunity for the students.

Signature of the Guide