

## Background\* ?

Students lack a centralized platform for college search. Current resources are scattered, outdated, and filled with ads, making informed decisions difficult. An ad-free, reliable platform for college and course info is

## Project Overview\* ?

To develop a web application housing a comprehensive database of IT and Management colleges across India, including those offering at least one IT or Management course.

## Hardware Requirements\* ?

Server Type:- Dedicated server or cloud-based virtual machine. Processor:-Minimum 4 CPU cores (e.g., Intel Xeon, AMD Ryzen). Memory (RAM):-Minimum 8 GB RAM, recommended 16 GB for improved performance.

## Software Requirements\* ?

IDE: Visual Studio Code. Programming languages : HTML, CSS, JavaScript for front-end, and Express.js for back-end development. DBMS : MySQL. Browser :Google Chrome.

## Constraints\* ?

Timelines, easily searchable and well presented.

## Assumptions\* ?

IT or management colleges will be searched.

## Risks\* ?

Ensuring the database is regularly updated with accurate information.

## Functional Requirements\* ?

>College Search and Filtering >Courses offered by Colleges >Contact and Address Information

## Non-functional Requirements\* ?

>Design the user interface to be intuitive and user-friendly >The application should respond quickly to user interactions and load data efficiently.

## External Interface Requirements\* ?

Responsive interface >Document API endpoints >request/response formats.

## Technology Used\* ?

HTML,CSS,JavaScript,Express.js, MySQL, Amazon Web Services (AWS),GitHub