



SYNOPSIS
ON
PRACBOOK

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INTRODUCTION

PracBook is a portal for practical exams made basically for coding practical exams. Where faculty can schedule coding as well as objective type exams (like viva) for their respective classes and the students will have to take assessments assigned to them and marks will automatically be evaluated by the portal for both type of exams.

EXISTING SYSTEM

In the present scenario, colleges usually have their own examination portals for conducting theory exams but not for practical examination and they use separate third-party software for coding and viva exams. While our portal provides a single platform for complete practical examination remotely.

USE OF THE PROJECT

This platform is basically for practical examination, but we can also use it like a quiz platform. It provides an inbuilt IDE for assessment with different programming languages support, and test cases added by faculty to evaluate marks. It also provides a quiz platform where student can give their exam having objective type questions. After evaluation is done for a particular exam, students can view their marks on the same time and faculty can also fetch complete result of students from the portal.

FEASIBILITY OF PROJECT

As we all know about different coding platforms which are being used by colleges for exams, but those platforms can only be used for coding test and they have to use different platforms according to the type of exams. To overcome this, we provide a centralized platform for both practical as well as objective type exams. There is no such platform for this purpose.

FUNCTIONAL SPECIFICATION

Software Specification:

- Technology Implemented : MERN stack
- Language Used : HTML, CSS, JavaScript, React, Redux, Node.js, Express.js
- Database : Mongo DB (nosql)
- User Interface Design : material-ui
- Web Browser : Chrome

Hardware Requirements:

- Processor : intel core i3 and above
- Operating System : windows/ linux
- RAM : 4GB and above
- Hardware Devices : Laptop
- Hard disk : 1 TB

FUTURE SCOPE

In future we can use this in our college for practical examination, and also upgrade it to integrate with college's existing portal to schedule exams through that and update on portal automatically. We can also add video proctoring to the portal later for plagiarism checking.