



PARIKSHA

One Stop Solution for Your Online Exam Needs

PARIKSHA

Mentor- Dr. Gaurav Singal

Team :-

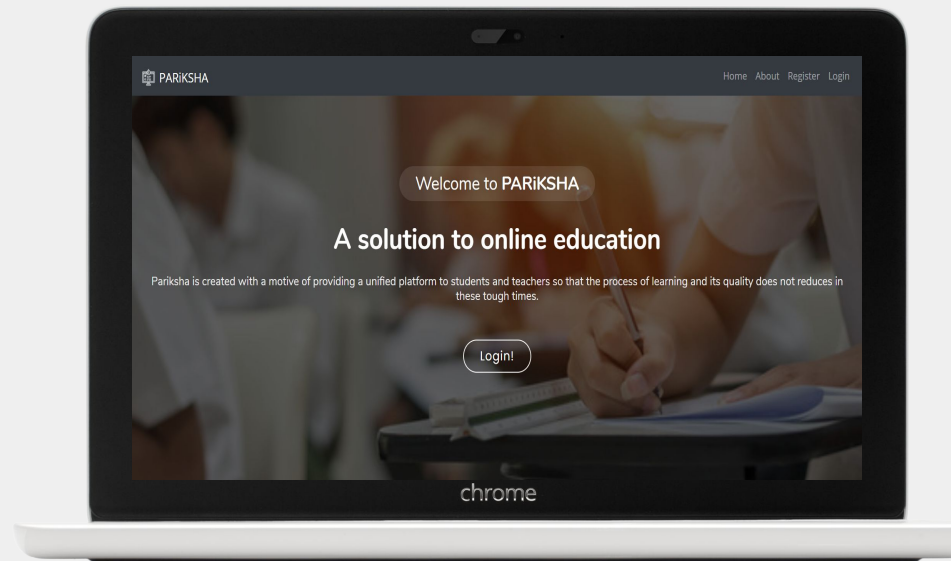
Vibhu Upmanyu - E19CSE298

Pulkit Vyas - E19CSE284

Chirag Saxena - E19CSE124

Yoshi Bansal - E19CSE332

Anushka Garg -E19CSE252





PARIKSHA
One Step Solution for Your Online Exam Needs

Outline

Introduction

The Problem

Solution

Tech Stack

Responsibilities and Contribution

Features

What's Next?



PARiKSHA

One Stop Solution for Your Online Exam Needs

PARiKSHA

We are developing a unified online platform in the form of a web application for conducting assessments, producing analytics and providing A.I. assisted proctoring facilities.



PARIKSHA

One Step Solution for Your Online Exam Needs

Problem Statement

- Current facilities do not provide integrated solution
- The monitoring system becomes inefficient as the number of students attempting the exams increases
- Institutions that have their own servers and other infrastructure cannot cope with the increased traffic and sometimes crash due to sudden surge in number of users during exams



Solution

Our Proposed Solution:

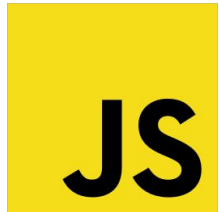
- AI assisted alert system
- Hybrid Implementation
- All under one roof(Quiz - A.I. Testing - Hybrid Implementation)



PARIKSHA

One Stop Solution for Your Online Exam Needs

Tech Stack

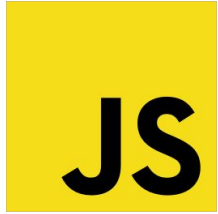


Tech Stack



PARIKSHA

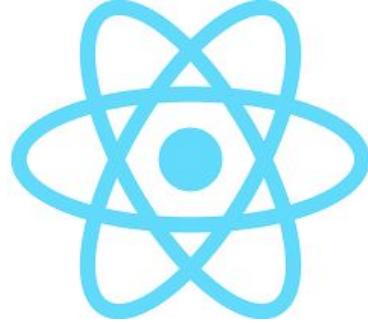
One Stop Solution for Your Online Exam Needs



Anthos



WebRTC





PARIKSHA

One Stop Solution for Your Online Exam Needs

Responsibilities & Contribution

Vibhu Upamanyu : Back-end development

Chirag Saxena : Front-End development

Pulkit Vyas : Monitoring System , Hybrid Implementation

Yoshi Bansal : AI assisted alert system

Anushka : Alert System



PARIKSHA

One Stop Solution for Your Online Exam Needs

FEATURES

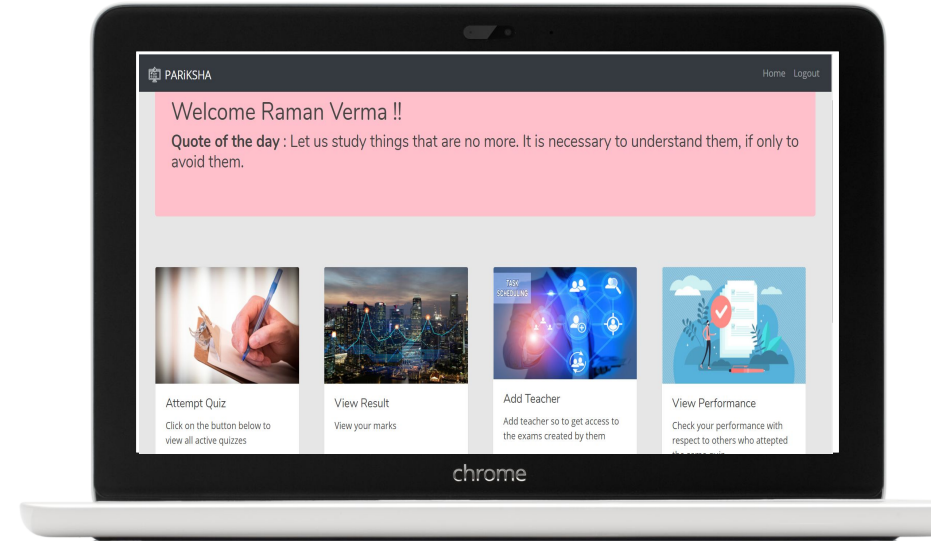
Quiz

PARiKSHA provides teachers to conduct exams online.



PARiKSHA

One Stop Solution for Your Online Exam Needs





PARIKSHA

One Stop Solution for Your Online Exam Needs



Quiz

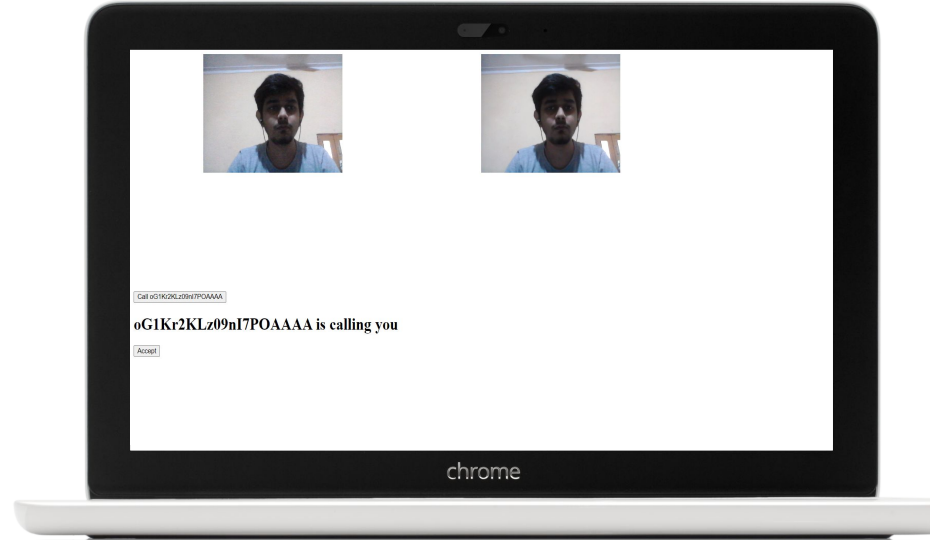
- Teacher - Can Create, Activate and Deactivate quiz accordingly.
- Results are stored in a single database and readily available 24x7 for teachers and students.
- Performance analysis-Students can track and analyze their performance .



PARIKSHA

One Stop Solution for Your Online Exam Needs

Video Monitoring System





PARIKSHA

One Stop Solution for Your Online Exam Needs



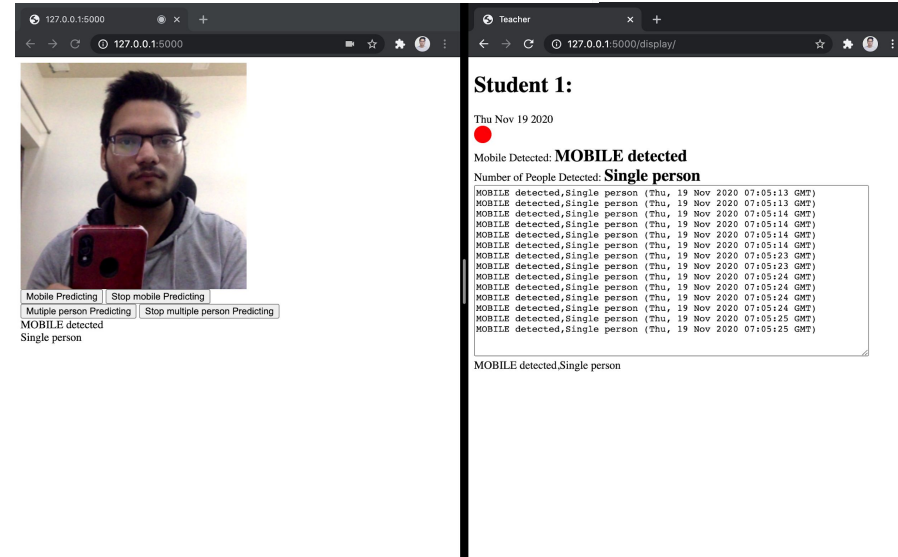
Video Monitoring System

- The system will allow teacher to monitor the students and also pass important instructions.
- The video monitoring system will be assisted with the Alert System



PARiKSHA

One Stop Solution for Your Online Exam Needs





PARIKSHA

One Stop Solution for Your Online Exam Needs

AI Assisted Alert System for Teachers

- These models will automatically detect multiple sources (like mobile and multiple person) from where student can cheat.
- The system will send alert with the student Id to the teacher when cheating flags are activated.
- And if student found to cheat more than 5 times it will show red alert.



PARIKSHA

One Stop Solution for Your Online Exam Needs

Hybrid Implementation





PARIKSHA

One Stop Solution for Your Online Exam Needs



Hybrid Implementation

- The hybrid implementation would allow institutions to efficiently use their infrastructure
- By redirecting traffic from their own hardware to the cloud through smart load balancing the system would be crash-free when there is a sudden surge in the traffic at the time of exams



PARIKSHA

One Stop Solution for Your Online Exam Needs

What next?

- Integrate all these separate part of PARIKSHA.
- Add more variety of questions like True/False, One Word , Even Short answer type to improve the quality of quiz.
- Make the U.I. more reactive and responsive.
- Add profile / class view for teacher and students.