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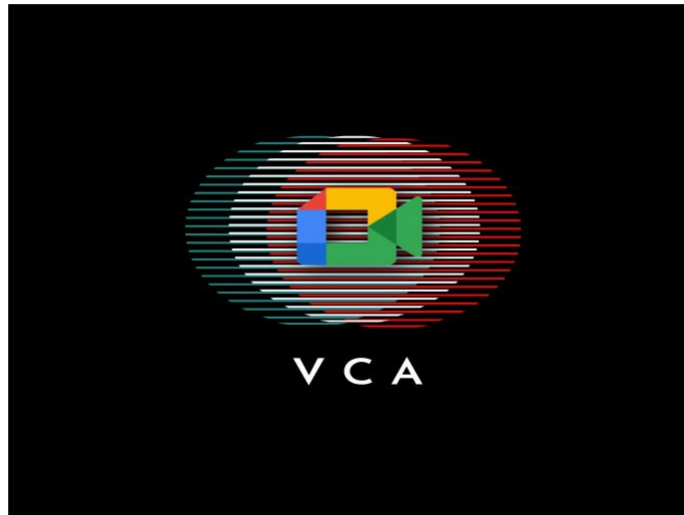
TULJARAM CHATURCHAND COLLEGE
of Arts, Science & Commerce,
Baramati Autonomous
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PROJECT SYNOPSIS

"Video Conferencing Application"

Submitted by:

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• Introduction

For the past decade, video conferencing has become more popular and more reliable as a tool to bridge the distance gap when travel is not an option, impractical or undesired. Video conferencing uses audio and video telecommunications to bring people at different sites together. Understanding what are required for videoconferencing and its application has become one of the major researched topics by various learning institutions and businessmen.

So we've made an Application for people comfort and with more functionality. This app will help us to connect people through us specific platform. In this application we made very reliable layout for easy to use.

• Existing system

The Existing system lack in following points:

*Lack of security of data.

*Costly and Slow

*Complex

*Resource Hungry.

*Unstable Internet connection

• Proposed system

In this Proposed system we includes following points:

*Security of data.

* Fast and Accurate

*Proper control of the higher System.

*Minimize manual data entry.

*Minimum time needed for the various Processing

*Greater efficiency.

*Better service.

*User friendliness and interactive.

• System Requirements

*Hardware Requirements:

Processor: Intel/AMD dual-core or above

Processor Speed: 2.0GHZ

RAM: 4 GB RAM

Hard Disk: 10 GB of SSD/HDD

Operating system: Windows 10

*Software Requirements:

Platform: Android studio, Firebase

Technology Used: Java

API keys: Firebase Authentication, Firebase Database, Jitsi meet

*Android Device Requirement

Internet connection

Android 5(Lollipop) or above

Storage: 50MB

RAM: 2GB

Objectives

Teaching: Video Calling allows easy access to remote expertise. When the number of expertise is small, one lecture can teach various virtual classes at a go thus, travelling to various campuses is significantly reduced.

Meetings: Using Video Calling leads to cost savings on travel, accommodation and staff time. Several sites can be linked together. Having a set time and duration for a meeting encourages punctuality and focused discussion.

Data sharing: Images from a personal computer (PC), such as spreadsheets, PowerPoint illustrations etc. can be shared to enhance a presentation.

Interviews: Cost savings can allow more candidates to be interviewed from remote locations. With data sharing, Video callings can be viewed and discussed online.

Telemedicine: In rural areas, specialist medical help may not be available on hand. By linking to a regional centre, cottage hospitals and clinics can receive help in diagnosing patients' disorders.

Legal work: Video Calling helps reduce intimidation of vulnerable court witnesses. Particularly sensitive cases

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• Modules

*Users Registration

*Users Login

*Video Calling

*Video Meeting

* Group Messaging

*Authentication and data security

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