SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

Department of Computer Science and Engineering

Certificate

SAPTHAGIRI
College of Engineering

Certified that the project work(10CS85) entitled **"One Way Live Video Streaming - OWL"** arried out by **VIKASH KUMAR (1SG13CS125), SHARAD CHAND (1SG13CS100), SHANTANU UMAR (1SG13CS098), RISHABH ANAND (1SG13CS086)** bonafide students of **Sapthagiri College Of ngineering**, in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and ngineering** of **Visvesvaraya Technological University, Belgaum** during the academic year **2016-17.** It is ertified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report eposited in the department library. The project progress report has been approved as it satisfies the academic equirements in respect of Project work prescribed for the said degree.

Madhushree 23/6/17

Signature of the Guide

Mrs. MADHUSHREE

Assistant Professor

Rajesh Nayak 23/6/17

Signature of the HOD

for

Dr. Prashanth C.M

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Signature of the Principal

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ABSTRACT

One Way Live Video Streaming - OWL

The OWL app is a one way live video streaming for content publishers to deliver live feed to their subscribers. The app provides a framework to both its publishers and subscribers to share and interact with the content.

For publishers: The app provides recording tools via a mobile app. It will upload the video in the best quality possible as per the internet bandwidth. The video will be streamed via Channels (similar to TV Channels). A publisher may open multiple channels for streaming different videos.

For subscribers: The app provides video content categorized under channels and publishers. The subscriber can subscribe to channels and can avail video contents. The subscriber can upvote and downvote the video to provide feedback to the publishers. The subscribers can view the video in different resolution as per their internet speeds to cope up with the Indian internet population in cities and rural areas.

The app is to be supported by a server-side application which is to handle the app requests to stream video and data. It is also responsible for providing videos in various resolutions as well as keep a backup of at least an hour length of video.