**ABSTRACT**

The purpose of this project is to create a Web-based recording module for multiple audio/video streams using Kurento Media Server. Kurento used WebRTC (Web Real-Time Communication) technology, which allows audio and video communication to work inside web pages by allowing direct peer-to-peer communication, without the need to install outside plugins or software. Kurento Media Server (KMS) provides features includes group communications, transcoding, recording, mixing, broadcasting and routing of audiovisual flows. [1]

The prototype consists of client side Javascript application that will interact with a Java Spring boot based application server, which in turn will communicate with the KMS using simple APIs provided by the Kurento project. Audio/video mixing and recording will be performed by KMS.

The expected output of this project include a executable prototype, code structure and documentation that is realized as a tutorial similar to other ones created by Kurento organization, for example <https://github.com/Kurento/kurento-tutorial-java/tree/master/kurento-hello-world>. Finally a paper report is also needed.