

# Class Live Streaming System

## Background

Distance learning is a way of delivering education to a wide range of students across the world. We, as the IT department of Gothenburg University, wish to implement a live streaming and a video database service for a number of courses at Gothenburg University to make studying easier and much more convenient for students.

This approach facilitates distant/online education for a large number of students who might be unable to attend the course lectures for different reasons e.g. getting sick or living abroad. One foreseeable problem would be that regular students who do not have any problem attending the lectures would skip class and abuse the live streaming service. To counter this problem the teacher of the class would have to be in full control of who can access the system and when that user can access the system to prevent regular students from abusing the system. The project type that we plan to have is a contract development in which we would like to specify the requirements and contract together with a supplier company.

## Goals

The main goal of this live streaming system would be to extend our education to a wider spectrum of students through online distance learning and to ease access to lectures for students who can not attend their lectures for various reasons. For example for people with long term illnesses, single parents, people enrolled in online distance learning and people who can not in general attend the lectures.

## Functionality

1. The system must be able to live stream sound and video in High Definition from the classroom.
2. The system must be able to record the lectures and add them to a video database.
3. The teacher of the class must be able to restrict access to the system at all times.
4. The teacher must be able to decide for how long a video lecture is available online.
5. Users must be able to watch old lectures from the video database.
6. The system has to support a chat window for user queries.
7. The system has to support viewing of the teacher's slides and updates.

## Roles

As project owners we would like you to develop the live streaming service for us and we will act as a customer to you.

Ivar Huni Johannesson  
Emre Emir Ismail  
Azin Akbari  
Swathi Gopakumar  
Mozhan Soltani

**Project Manager**  
**Customer Coordinator**  
**Team member**  
**Team member**  
**Team member**

ivarhuni89@gmail.com  
ismailem@itu.edu.tr  
azin.akbari@ymail.com  
swathi.gpkr@gmail.com  
mozhan.soltani@gmail.com