

---

# SOFTWARE DESIGN DOCUMENT

for

<Unravel>

Version 1.0 approved

Prepared by <Aman Choudhary,Ujwal Teewari>

<CS 02>

**October 13, 2017**

# Contents

<b>1</b>	<b>Introduction</b>	<b>4</b>
1.1	Purpose . . . . .	4
1.2	Scope . . . . .	4
1.3	Tools Used . . . . .	4
1.4	Intended Audience . . . . .	4
<b>2</b>	<b>System Overview</b>	<b>5</b>
2.1	User Characteristics . . . . .	5
2.2	System Objectives . . . . .	5
<b>3</b>	<b>Design Overview</b>	<b>6</b>
3.1	Approach . . . . .	6
3.2	Hardware Requirement . . . . .	6
3.3	Software Requirement . . . . .	6

# **1 Introduction**

## **1.1 Purpose**

A software design document is written by the system designers in order to give the team an overall guidance of the architecture of the software project.

## **1.2 Scope**

This document contains the low level design of application. The various modules have been identified and their interaction with each other is defined which enables the working of our system. The design of various modules outlined in this document builds upon the scope defined in the Requirements phase. This document will serve as a link between design team and coding team and will be frequently referred by coding team to build our system.

## **1.3 Tools Used**

- Dia
- Latex

## **1.4 Intended Audience**

This document is for the developers and the technical team for reference during the coding and testing phase (Implementation Phase).

## **2 System Overview**

### **2.1 User Characteristics**

- Language Proficiency - Can read/understand/write English
- User has basic knowledge of using a computer or a smart phone and use a browser.

### **2.2 System Objectives**

- Login
- Signup
- Search and watch video
- Search and study projects

## **3 Design Overview**

### **3.1 Approach**

The application will implement the following functionalities.

- User have their own account.
- User can watch video lectures
- User can access projects

### **3.2 Hardware Requirement**

The user only requires a Computer or a smartphone with a browser and internet access to use the application.

### **3.3 Software Requirement**

We are using Django framework for the backend development and are using PyCharm as the IDE and sublime text for front end development .Android studio for app development.