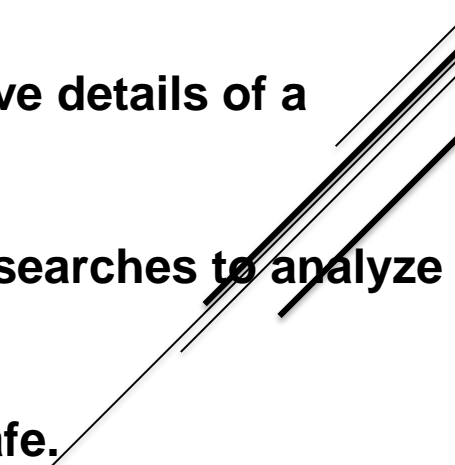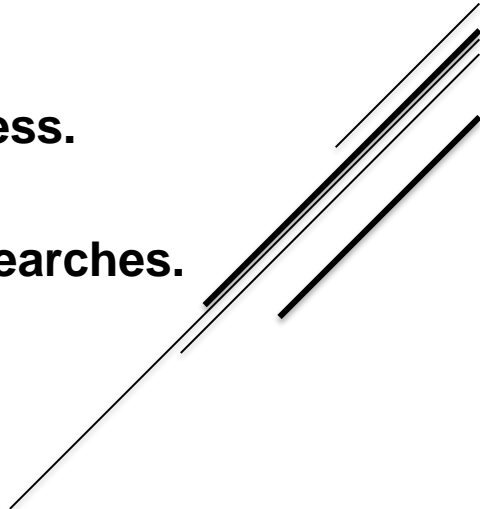# UOP

Knowledge Hub

E/15/016 ANOJAN S.
E/15/171 KAPILRAJH R.
E/15/351 THAKSHAJINI S.

INTRODUCTION

- **One of the biggest problems in University of Peradeniya, there is no standardized system to keep track of all projects and researches.**

- **Our knowledge hub provides facility to upload and retrieve details of a project or a research effectively.**

- **This system is very useful for upcoming projects and researches to analyze the performance level.**

- **This system saves time and keeps track of all the data safe.**

OBJECTIVES

- **To develop the platform to get current and previous details of projects and researches.**

- **To make the use of the system very much easier to access.**

- **To analyze the achievement level of all projects and researches.**
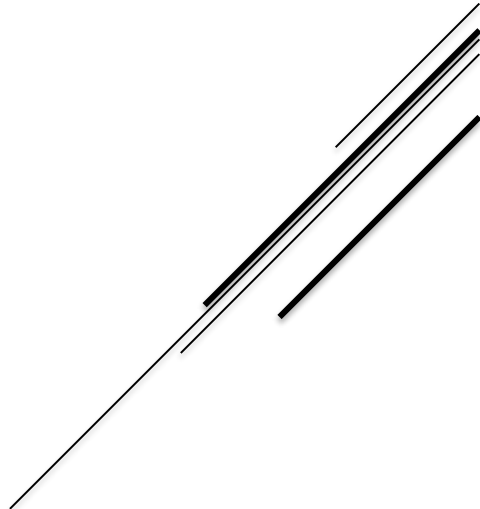
HOW IT WORKS

There are two interfaces.

      Search interface

      Upload interface

The authorized users can upload documents as pdf.

Everyone can search the uploaded documents

MILESTONES

Requirement gathering and Learning about technologies

Developing Frontend and Backend

1st, 2nd weeks   **3rd week**   **4th week**   **5th week**

Designing Frontend and Backend

Creating a Document API

MILESTONES

PDF Extraction with content extraction and meta data extraction

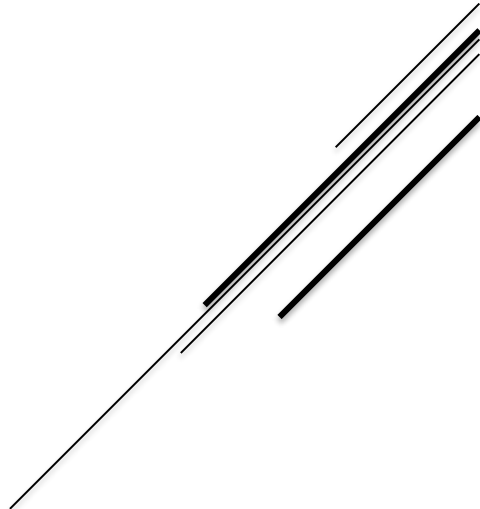**Adding more features and completing the project**

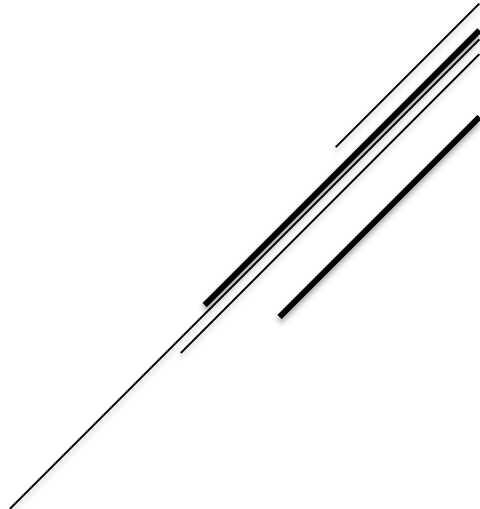| 6th week | 7th week | 8th week |

Developing and Integrating Frontend and Backend using Elastic search
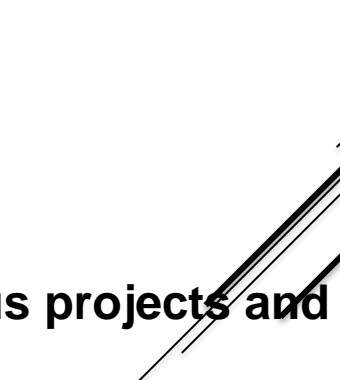
TECHNOLOGY STACK

- **Java based Spring Boot to design REST-API for Backend**

- **HTML , CSS , JavaScript for Frontend**

- **MySQL for database**

- **Apache Tika for PDF Extraction**

- **Elasticsearch**
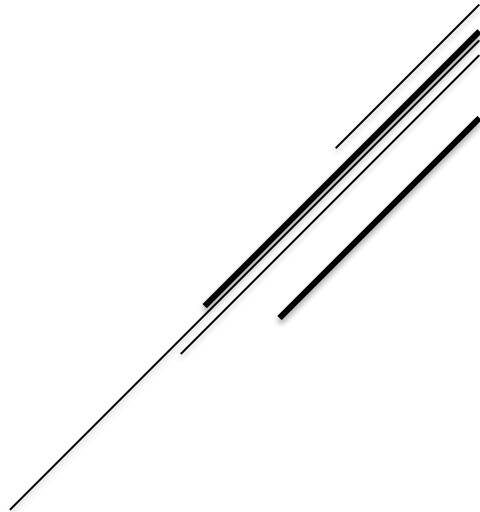
PROBLEMS WE FACED

- **It is difficult to complete project using the technologies within the limited time.**

- **It is difficult to understand the basic concepts.**
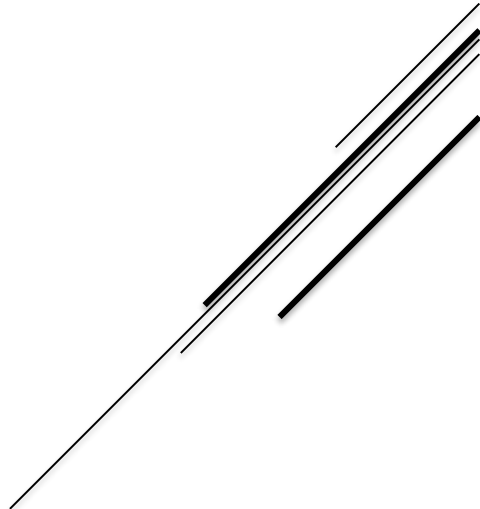
USAGES OF UOP KNOWLEDGE HUB

- **Simple and Efficient Search Engine.**

- **User Friendly.**

- **Can be accessible immediately.**

- **New students gain more knowledge regarding previous projects and researches.**

Demonstration

Questions??

THANK YOU