

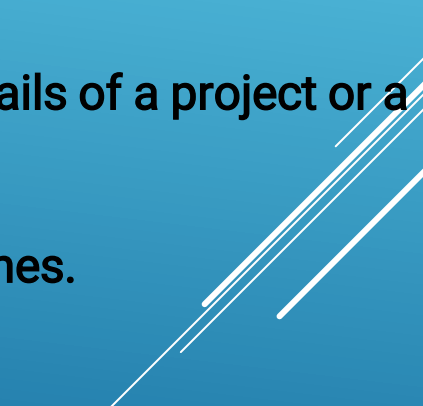
UOP




Knowledge Hub

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INTRODUCTION

- 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.
 - This system saves time and keep all the data safe.
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OBJECTIVES

- To develop the platform to get current and previous details of projects and researches.
 - To make the use of the system easier to access.
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SCOPE AND LIMITATIONS

- Everyone can access the system.
 - Only the students and academic staffs can upload the data.
 - This system is only for our university.
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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.
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MILESTONES

Requirement
gathering and
Learning about
technologies

1st, 2nd weeks

Developing
Frontend and
Backend

4th week


3rd week

Designing
Frontend and
Backend


5th week

Creating a
Document API


TECHNOLOGY STACK

- Java based Spring Boot to design REST-API for Backend
 - HTML , CSS , JavaScript for Frontend
 - MySQL for database
 - Elasticsearch
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PROBLEMS WE FACED

- It is difficult to complete the fundamental study about the technologies within the limited time.
 - It is difficult to understand the basic concepts.
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FUTURE DEVELOPMENTS

- Develop the Backend using Elasticsearch.
 - Add more features to the Frontend.
 - Google sign in
 - Integrating Frontend and Backend using Elasticsearch.
 - Developing the database.
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Demonstration



Questions??



THANK YOU

