**Pre- Lecture Meetings**

Ø    **Pre-Meeting i (01/10/2022): - Project – 1 (Introduction of Team Members and discussion on some Web Application)**

Discussion Details: - Shared ideas about different web based application and came up with initial 2 ideas

1.    Idea 1- “COVID Fist Aid"

2.    Idea 2 - “Notification engine"

GitHub link for a reference to Idea 1 -<https://github.com/ddanuj/food-ordering>

Ø    **Pre-Meeting ii (01/14/2022): - Project – 1 (Detailed discussion for shorted web application ideas)**

Discussion Details: - Underscored the topics that was discussed in the Pre-Meeting i

·         How to create a user interface for the web application

·         Types of language which we can be used

·         How to work o messaging if we work on food ordering applications

·         How does the data process is going to happen?

Examples (Shared by Sankey Koli)

1. Handwritten Digits Recognition (https://data-flair.training/blogs/python-deep-learning-project-handwritten-digit-recognition/)

Digits written by humans vary a lot in curves and sizes as they are hand-drawn and everyone’s writing is not the same.

It is a great way to start artificial intelligence by building a handwritten digits recognition system that can identify the digit drawn by humans.

2. Optimal Path

One of the challenging tasks of AI is to find the optimal path from one place to the destination place.

The project idea is to find the optimal path for a vehicle to travel so that cost and time can be minimized. This is a business problem that needs solutions.

3. Fire Detection and Localization Using Surveillance Camera (Computer Vision)

CNN has become the state of the art in image classification and computer vision-related tasks.

We can improve the fire detection system through surveillance cameras by building a model that can not only detect the fire but also the location of the fire to provide effective detection and reporting system for the safety of people.

4. Music Recommendation App

The Spotify app is a great music streaming platform that knows exactly what type of music they like.

You can learn to build a model that will analyse the users’ music tastes and will recommend new music to them based on their interests.

5. Public news droid

The public news droid is an informative software application that informs users about the trending news, occurrences, and interesting events happening in and around their locality. Thus, the idea behind creating this information system is to keep the users informed about the happenings in their vicinity. The system uses Android Studio as the frontend and SQL Server as the backend

6. Android battery saver system

The Android battery saver is designed to analyze the battery usage data from built-in classes and create a consolidated list of apps that drain the power of the Android phone. The system can also determine the battery level of the phone. In situations where the battery level is low, and numerous apps are consuming too much power, this system will trigger an alarm telling the user to force stop or close the apps that are drawing power.

7. Library Management System

Library Management System, which is used to keep a record of books present in a library. This system consists of

information regarding Books, where you can perform all the operations that are required in an actual system such as

CRUD operation, advanced search, book issuing, and also to store the information (in an encrypted format) within files

using the process known as Serialization.

8. Expense/Account Management

Expense Management like Splitwise

9. Pinterest/Instagram clone

10. Todo List (Department/Organization)

Mobile application where users can log in and add and remove todo items in a list format. Additionally, users can create groups and add others to perform group tasks and monitor deadlines. Design an priority/alert system that notifies you about your pending tasks and top priority tasks.

Ø    **Pre-Meeting iii (01/23/2022): - Project – 1 (Discussion on the Topics shared by Sanket and finalization of two ideas)**

Discussion Details: - Detailed discussion about the topics given below

1.    COVID first Aid

2.    Notification Engine

3.    Music Recommendation app

4.    Public news droid

5.    Library Management System

6.    Optimal Path

And finalizing the two topics

Submission of two web application ideas with description

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Idea 1 - Online food ordering application

Technologies - Java, Spring Boot, RESTful web services, PostgreSql or Redis

Description - The online food ordering system can be used by customers and admins of the application.

Customers can:

1.    View restaurants listed with the application.

2.    View menus pertaining to every restaurant.

3.    Select items from 1 restaurant and add to cart.

4.    View and edit cart items.

5.    Place order with the restaurant. Payments will be dummy.

Admins can:

1.    View restaurants and menus.

2.    Add/Register a restaurant with the application.

3.    Add menu for a restaurant.

4.    Edit menu for a restaurant.

5.    Delete menu for a restaurant.

6.    Delete a restaurant.

Idea 2 - Notification engine

Technologies - Java, Spring boot, RESTful webservices, Redis or PostgreSql, RabbitMQ, requires integration with smtp mail server.

Description - A service which aids in sending bulk email notifications on behalf on a client to multiple users. The emails can be scheduled and repeated as required by the client. The application can be used by customers and admins.

Customers can:

1.    Consume the web service and provide email details such as "to email ids", "from email id", "cc", "bcc", "subject", "email body", "time" and "date" when the emails need to be resent to the application.

2.    Consume a webservice to view status of the emails sent/failed.

Admins can:

1.    Register a customer with the application.

2.    Delete a registered customer.

3.    Edit details of a registered customer.

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**Meeting Discussions after Lecture**

**Meeting 1 (A= 01/26/2022): -**

**Project – 1 (Discussion on Business Cases)**

Discussion Details: - Discussed about the both the proposed topics to prepare case study. With the inputs of all the team members have come up with the case studies for the topics. Planned to have meet again to render the case study details if any and finalize accordingly.

**Meeting 1 (B= 01/30/2022): -**

**Project – 1 (Discussion on Business Cases)**

Discussion Details: - Finalizing the Business cases that was drafted and submitting.

**Meeting 2 (A= 02/09/2022): -**

**Project – 1 (Discussion on the Project Initiation Document)**

Discussion Details: - Discussed about the topics (NutraMeals) that is selected and elaborate on the topics mentioned in the Project Initiation document and assigned the topics to prepare as per respective convenience.

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| --- | --- |
| Document Purpose | Daksh Rawat |
| Stakeholders, Project Controls | Divya Kotapati |
| Project Scope | Manoj Yathindra Thagadur |
| Vision, Assumptions | Nikita Jarile |
| Project Objectives | Sanket Koli |
| Constraints, Deliverables | Sen Wang |
| Background to the proposed work | Avni Mitawalkar |
| Communication Plans | Divya Kotapati & Sanket Koli |

Planned to schedule the next meet on February-11-2022

Kindly find the meeting recording for your reference: <https://drive.google.com/file/d/1Bj7K7O4DwBE_xYVLz5qRFsScVaj0kDGJ/view?usp=sharing>

**Meeting 2 (B= 02/12/2022): -**

**Project – 1 (Discussion on the Project Initiation Document)**

Discussion Details: - Discussed about the topics that were assigned. Glanced on everyone’s description that was prepared and taking everyone’s feedback tailored the document (PID) and prepared the initial Project initiation document.

**Meeting 3 (A= 02/16/2022): - (Discussion on the Project Initiation Document)**

Discussion Details: - To discuss about the topics to complete the “Project Initiation Document” (PID) that includes project plannig, RAC. Also we disucssed about the tempates and examples of above about mentioned documents. Moreover the task is assigned for the all the team members to complete the PID. In addition to that we underscored the design of “Home Page” of our web application that leader developer and product owner are going to sketch.

Link (GitHub Repository): <https://github.com/dakshrawat1109/Computer-Science-Project-1.git>

Link: (Google Drive): <https://drive.google.com/drive/folders/1cihIgr_c8ISSkd2X35u8G4iZ3q4TPmkT?usp=sharing>

Link (Meeting Recording): <https://drive.google.com/file/d/1_Dv2y0JZkIzIgAUk3gm147NKLvRsHblF/view?usp=sharing>

**Meeting 3 (B= 02/19/2022): - (Review Project Initiation Document)**

Discussion Details: - To discuss about the topic risk management strategies and prepare. Also review for the assigned task to complete the PID document.

Link (Meeting Recording):

<https://drive.google.com/file/d/1SDmzjbxli1AiSBBvckz-LzTlImYjSkXp/view?usp=sharing>

**Meeting 4 (A= 02/23/2022): - (Discussion on the BRN Diagram, and Context Diagram Documents))**

Discussion Details: - To discuss about the BRN diagram, user roles, context diagram, and system interface table with the example. Also, assigned the task to work on above topics to complete the document for 5th week.

Link (Meeting Recording):

<https://drive.google.com/file/d/1xJRYtjuE0OCbRIxc2e5_o_lTnf89e3vV/view?usp=sharing>

**Meeting 5 (A= 03/02/2022): - (Discussion on the Business Requirements, Functional Decomposition (assign SME), Fishbone Diagram, RCT (includes supplementary requirements, Home Page menu structure)**

Discussion Details: - Discussion regarding the below mentioned topics

* RCT document

1. Functional Decomposition
2. RTM
3. Crosscut Description
4. RCT Details
5. Feature Short Description
6. ET-Entitlements

* Business Requirements
* Functional Decomposition (assign SME), Fishbone Diagram
* Home Page menu structure

**Meeting 5 (B= 03/06/2022): - (Discussion & Review on the Business Requirements, Functional Decomposition (assign SME), Fishbone Diagram, RCT (includes supplementary requirements, home Page menu structure)**

Discussion Details: - Reviewed on everyone’s assigned task and solved the queries to prepare the initial draft of RCT Documents. Also, worked on the feedback to prepare the updated functional decomposition document, and discussed on web and application home page preparation.

**Meeting 6 (A= 03/09/2022): - (Discussion** **UML analysis diagrams (use case, activity diagrams, Data-flow Diagram (logical, Functional Requirements (user stories), feature to implement in web application)**

Discussion Details: - Discussed on the documents mentioned below and looking on the examples to draft our own. Planning to implement the features in web applications.

* UML analysis diagrams (use case, activity diagrams)
* Data-flow Diagram (logical)
* Functional Requirements (user stories)
* Complete Home Page Demo

Link (Meeting Recording):

<https://drive.google.com/file/d/1Ihgb3iH3LufGEaj2AN-UtSHRPkGqsSxd/view?usp=sharing>

**Meeting 7 (A= 03/30/2022): - (Discussed about ER Diagrams (conceptual -> logical, Database Table Specs + Test Data specs, Data-flow Diagram (physical))**

Discussion Details: - Discussed about creation of database and analysed the sample document mentioned in the list below and elaborated more on to creat over own.

* ER Diagrams (conceptual -> logical)
* Database Table Specs + Test Data specs
* Data-flow Diagram (physical)

**Meeting 8iagram (A= 04/06/2022): - (Disucssion about the Architecture Diagram**

Discussion Details: - Discussion about creation of “Architecture Diagrams (2), and GitHub repository”