

Project Meeting Summary

Project Name: Soccer Analysis: Leveraging Data for Comprehensive Innovation

Sprint-1 meeting #1

Date: 3/3/2023 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: To discuss project topic and finalize project direction

Meeting Minutes:

1. The meeting started with a brief introduction from all attendees and a reminder of the meeting objective.
2. The team discussed potential project topics and considered several options, including OTT platform analysis.
3. After further discussion, the team decided to focus on soccer analysis as the project topic, due to its potential for interesting insights and data availability.
4. The team discussed potential directions for the project and considered several options, including player performance analysis and team strategy analysis.
5. After further discussion, the team agreed to focus on team data analysis for the project, with the goal of identifying key performance metrics and using them to analyze team performance across different leagues.

Sprint-1 meeting

Date: 3/8/2023 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: To discuss project proposal details and team roles

Meeting Minutes:

1. The team discussed the tools and resources needed for the project proposal and decided to use a combination of analysis tools.
2. The team discussed the importance of selecting efficient databases for the project. It was decided that an IEEE base paper would be used as a reference to select the most suitable databases.

3. The team also discussed the roles and responsibilities of each team member and identified their strengths and areas of expertise.
4. The team discussed the project deliverables and timelines, and decided to divide the work into manageable tasks to ensure timely completion.
5. Assigned team members to work on specific tasks and set deadlines for completion.
6. Based on the above discussions, all the team members worked on the Project Proposal document.
7. The team also talked about potential challenges and obstacles that might arise during the project and brainstormed strategies to overcome them.
8. The team agreed to meet regularly to track progress, share updates, and discuss any issues or concerns.
9. Finally, the team agreed that the project proposal document is ready to be submitted as the final deliverables, assigning one member to submit them by the deadline on Canvas.

Sprint-2 meeting #1

Date: 03/15/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: To discuss data sources and finalize the dataset

Meeting Minutes:

1. The team searched for relevant soccer data sources online.
2. The team discussed the suitability of different datasets and finalized the chosen dataset.
3. The team merged the data into a single raw source for use in the project.
4. The team discussed the upcoming tasks related to data cleaning and transformation.

Sprint-3 meeting #1

Date: 03/20/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Discussing the progress on the project and the completion of data cleaning milestones.

Meeting Minutes:

1. The team discussed the progress of the project and focused on the completion of the data cleaning milestones.

2. The team reviewed the tasks completed, which included parsing XML data and removing irrelevant and redundant information.
3. They discussed the challenges they faced during the process and how they were able to overcome them.
4. The team discussed plans for the upcoming milestone of database design and modeling.
5. The team agreed to work on the next steps of the project and set deadlines for completion.

Sprint-3 meeting #2

Date: 03/22/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Discussing progress on the project related to database design and modeling.

Meeting Minutes:

1. The team reviewed the progress made on the project related to database design and modeling.
2. The following milestones were discussed:
 - i) Exploring raw data and identifying entities and relationships
 - ii) Performing data normalization to eliminate redundancies and inconsistencies
 - iii) Creating an Entity-Relationship diagram to model relationships between entities
3. The team discussed potential challenges in the next phase of the project related to database design and modeling.
4. Agreed to continue working on the next steps of the project, including data loading.

Sprint-4 meeting #1

Date: 03/27/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Discuss project progress and completion of milestones related to loading cleaned soccer data into MySQL.

Meeting Minutes:

1. The team discussed the progress made on the project, specifically on the task of loading cleaned soccer data into MySQL.
2. Python code was written to load the data and ensure proper formatting and storage in the correct tables.
3. The team has completed the milestone related to database setup, with normalized data

loaded into the MySQL database using Python.

4. The loaded data was tested for functionality and accuracy.
5. The team reviewed the outcome and agreed that the task has been completed successfully.

Sprint-5 meeting #1

Date: 03/28/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Discussing the tools required for the project

Meeting Minutes:

1. The team discussed the tools required for the project, which included familiarizing themselves with CosmosDB, Azure Data Factory, PowerBI, and SSAS.
2. The team discussed the importance of CosmosDB as a NoSQL database, and the benefits it would provide for storing and querying unstructured data. They also reviewed Azure Data Factory, which would be used for data integration and transformation.
3. The team then discussed PowerBI, which would be used to create visualizations and interactive dashboards for data analysis. Finally, the team reviewed SSAS, which would be used to create the Tabular Model.
4. The team agreed to spend time learning and exploring these tools to ensure they could effectively utilize them in the project.
5. The team discussed and planned for the next steps of the project, which included loading additional data into Azure Cosmos DB.

Sprint-5 meeting #2

Date: 04/05/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Discuss progress made on the project.

Meeting Minutes:

1. The team discussed the progress made on the project, including the following milestones:
 - i) Created an instance of Azure Cosmos DB
 - ii) Loaded data into Cosmos DB
 - iii) Created a pipeline in Azure Data Factory to load the data
2. The team ensured the data is properly formatted and stored in the correct collections.
3. The team also discussed some challenges they faced during the process, such as issues with data formatting and pipeline configuration.
4. Agreed to create an intermediate status report based on the completed tasks for the next sprint.
5. Assigned team members to draft specific sections of the report.

Sprint-6 meeting #1

Date: 04/09/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Report Review and Dimensional Modeling Discussion

Meeting Minutes:

1. The team reviewed and discussed the intermediate status report. Each team member gave an overview of their respective sections and made minor edits for improvement.
2. The team discussed creating a dimensional model for storing soccer data in a data warehouse. The discussion included defining facts, dimensions, and granularity for the data model, and ensuring that the model meets project requirements.
3. The team agreed to continue working on the data modeling and finalize it in the next meeting.

Sprint-7 meeting #1

Date: 04/13/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Review progress on the project and discuss next steps for data ingestion.

Minutes of Meeting:

1. The team reviewed the created dimensional model and confirmed that it met the project requirements.
2. The team discussed using Azure Data Factory pipelines to ingest soccer data from MySQL and Azure Cosmos DB into Azure SQL Pool.
3. The team also discussed setting up a Github account and linking Azure Data Factory to it.
4. It was agreed that the team would continue working on the data ingestion and finalize it in the next meeting.

Sprint-8 meeting #1

Date: 04/20/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: Discussing the next steps for the project

Meeting Minutes:

1. The team reviewed the data ingestion process and tested to ensure proper data ingestion.
2. Discussed the next steps for the project, including defining ETL transformation logic,

loading transformed data into Azure SQL database (Data Warehouse), and analyzing relevant data through MS SSAS and Power BI visualizations.

3. Assigned team members to work on specific tasks and set deadlines for completion.
4. Discussed the project report to be created on LaTeX and project slides on Prezi.
5. Agreed to meet again to discuss the progress made on the assigned tasks.

Sprint-8 meeting #2

Date: 04/27/23 8:00 - 9:00 PM

Attendees: Anitha Balachandran, Aradhya Alva Rathnakar, Bhavan Kumar Basavaraju, Mahamaya Panda, Shashi Kumar Kadari Mallikarjuna

Meeting Objective: To review the completion status of the tasks assigned in the previous meeting, discuss the final project report and project slides, and finalize them.

Meeting Minutes:

1. The meeting began with a review of the tasks assigned in the previous call. Each team member provided an overview of their progress and completion status for their respective tasks. The following updates were provided:
2. ETL Transformation Logic: The team members responsible for this task have analyzed the soccer dataset and defined the necessary transformations to prepare the data for loading into the Azure SQL database (Data Warehouse).
3. Loading transformed data into Azure SQL database (Data Warehouse): The team member responsible for this task has used Azure Data factory Pipelines to load the transformed data into the Azure SQL database and validated the data to ensure it is accurate and meets the business requirements.
4. Analyzing relevant data through MS SSAS and Power BI visualizations: The team members responsible for this task have created visualizations using Power BI and MS SSAS to provide insights into the soccer dataset. This includes creating tabular models, dashboards, charts, and graphs to help better understand the match and team stats that can help make data-driven decisions.
5. The team reviewed and discussed the final project report and slides, with each member giving an overview of their respective sections and making minor edits for improvement.
6. The team agreed that the report and slides are ready to be submitted as the final deliverables, assigning one member to submit them by the deadline on Canvas.