The Road Map for the execution of the project is divided into 4 sprints

* Explore the input data provided and confirm if acceptable for the focus of Proof of Concept
* Incrementally,
* Build and deliver 2 example tests with Surround functionality
* Refine the Docker container and provide updates to Surround team with incremental features
* Prepare research report
* Provide knowledge transfer

**Sprint 1**

The goal of Sprint 1 is to deliver scope document and work with **SURROUND** to agree on the acceptance criteria and priority for the deliverables. These can be decomposed to:

* Learning and understanding of Surround and selecting the deliverables
* Generate ideas for the machine learning project
* Add features and update feature to the deliverables
* Context and value creation to the project. Creating repository, gather data, describing the problem and taking suggestions from the group
* Creating road map and collaborating with the squad to work together and diving wor

   Deliverables

* Workflow flowchart that has been agreed upon by all parties
* Scope document that has been agreed upon by all parties
* Communication and delivery expectations that has been agreed upon by all parties for creating a 2 examples

**Sprint 2**

The goal of Sprint 2 is to deliver the end to end infrastructure, so we can start collaboratively planning the interfaces to enable integration efforts to commence on **SURROUND** side. These can be decomposed to:

* Get a project idea on IDE 4
* Collaboratively working on the project and dividing work among team so that deliverables can be achieved successfully.
* Creating a template for the documentation and getting approval from the Surround
* Creating the project (a stage class for all data pre-processing functionalities)
* Creating documentation such as READ ME files, FRAME WORK, TUTORORIALS to understand the working of SURROUND
* Creating SURROUND ARCHITECTURE and LOGO
* Prepare a suitable environment within a Docker container to encapsulate and execute the transformation process

Deliverables

* Merging the project in the IDE(code and screenshots has been provided)

**Sprint 3**

The goal of Sprint 3 is to build upon the Increment in Sprint 2.

* Creating a staging for training and testing project
* Knowledge transfer to the full team to have a clear idea of the updates being added to the project and initiating example two and dividing work among teams
* Meeting client for feedbacks and work update
* Loading data, configuring path to the csv file and shifting data column position
* Completing 2 stages such as Data input and normalization in example 2

Deliverables

* Completed Example 1 and uploaded the code and output to Git Repository
* 3 stages of example 2 completed and uploaded to Git repository
* Documentation has been these examples along with surround framework and explanation has been provided

**Sprint 4**

 The goal of the sprint 3 is to provide a working and satisfactory output as enclosed in the deliverables

* Provide a satisfactory output as promised to the Surround
* Documentation of the whole project as discussed and agreed upon
* Explanation of the project will be provided as discussed by the team
* Full code with the work process and DIY will be provided in the Git Repository