**Activity-based schedule (Kanban/User Story Mapping)**

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| Name: | DHAVAL BHAILALBHAI PATEL |
| Community (UN SD goal): | Goal 6 - Clean Water and Sanitation  Goal 3 - Good Health and Well being  Goal 11 - Sustainable Cities and Communities  Goal 17 - Partnerships for the goals |
| Date: | 17th May 2021 |

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| **Project Name** | Solving water crisis in Tanzania – project Poseidon | | |
| **Activity** | **Duration** | **Start Date** | **End Date** |
| **MVP 1** |  |  |  |
| **Prediction Package** | [11 days] | [20-May-2021] | [30-May-2021] |
| **Data preprocessing**  In this step I have to cleanse the data and preprocess it using various techniques to make it suitable to apply a machine learning algorithm on the data set | | | |
| **Training the model**  In this I have to develop a machine learning algorithm to train the model on the processed dataset | | | |
| **Packaging and deploying the model**  In this I have to deploy the model on Django framework | | | |
| **Crafting the UI for making prediction**  I have to create interface to input data field on Django and feed the data into model for it to predict the results and display the results. | | | |
| **Plot map of the water pumps**  I have to plot the data points in Django for the given data set | | | |
| **MVP 2** |  |  |  |
| **Forum Package** | [7 days] | [31-May-2021] | [6-june-2021] |
| **Home Page**  This page displays the key component of the chat forum and link to various important resources like prediction page and hot threads. Include announcement from organization involved with the project and many more feature.  **Announcement Page:**  This page will act as the notice board for important announcement by agency regarding the water crisis. | | | |
| **MVP 3** |  |  |  |
| **Forum Package** | [6 Days] | [7-june-2021] | [13-june-2021] |
| **Chat forum**  A space to generate threads and create discussion. | | | |
| **Admin Panel**  Admin can moderate the conversation so that community can move towards positive way. This can also help to remove the malicious content that is fake and can cause negative impact on the communities. | | | |
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