**Technology configuration inventory**

|  |  |
| --- | --- |
| 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: | 17 – May 2021 |

**Instructions**

It is useful to inventory the current technology configuration of the community, i.e., the current technology that the people working, learning, advancing knowledge (etc.) in the specific area you are engineering software for are using, as a way to understand the community better and what matters to them better. If yours is a new community, it may not have any specific technology yet, but even for brand new communities, the current configuration may not be empty, for instance if general tools like email or phone are going to be used. You can use a version of the table on the next page to inventory and analyze the current configuration of your community:

1. Get the big picture. Research the area and make a list of all the platforms and stand-alone tools in your community’s configuration as best you can
2. For each platform, list the tools and check the ones that are being used. Why are some not being used? Are there duplicates? Are there issues around integration between tools?
3. To the left, make a note of which community activities/orientations the tools currently support in your community
4. To the right, identify the key features of tools. Are some of these features commonly or rarely used? What are the reasons for that?
5. Assess actual tool use if you can. Identify which are dominant and which are only used by smaller groups and individuals.

**O**

**NOTE**: Add new rows as needed below. Please know your search should be as exhaustive as possible given the area you are researching

|  |  |  |  |
| --- | --- | --- | --- |
| **Platform** | **Platform type or name** | | |
| **Supported activities** | **Tools** | **Key features** | **Usage notes** |
| Prediction of functional and non-functional water pump and plot map of active water pump | Water pump monitor and predictor platform | Can be used by community member to see the water pump is functional or not | Can be used by individual member or community to view current status of pump and make predictions of newly installed water pump |

|  |  |  |  |
| --- | --- | --- | --- |
| **Stand-alone tool** | **Tool type or name** | | |
| **Supported activities** | **Tool** | **Key features** | **Usage notes** |
| Map of water pump and their current status | Spatial Map plot | This will inform communities on current status of the active water pump in the region of Tanzania. | Can be used by individuals and community to monitor status of pump |

|  |  |  |  |
| --- | --- | --- | --- |
| **Stand-alone tool** | **Tool type or name** | | |
| **Supported activities** | **Tool** | **Key features** | **Usage notes** |
| Predict if the installed water pump is operational or not based on input parameters | Prediction tool for water pump | This will predict if the water pump is operational or not | Can be used by individuals and community to make predictions |

|  |  |  |  |
| --- | --- | --- | --- |
| **Platform** | **Platform type or name** | | |
| **Supported activities** | **Tools** | **Key features** | **Usage notes** |
| Support discussions between community members on various threads | chat forum | Used by community to discuss ideas to solve water crisis in their community by publishing the thread and commenting on current thread | Can be used by individual member or community to discuss water crisis. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Stand-alone tool** | **Tool type or name** | | |
| **Supported activities** | **Tool** | **Key features** | **Usage notes** |
| Serves as a home page for the chat forum will include important content. | Home page | Used to display important events and resources. menu to navigate chat forum and other pages | Used by users to navigate chat forum |

|  |  |  |  |
| --- | --- | --- | --- |
| **Stand-alone tool** | **Tool type or name** | | |
| **Supported activities** | **Tool** | **Key features** | **Usage notes** |
| Discussion forum to discuss the issue | Chat forum threads page | Used by community member to share idea and discuss the solution for particular water pump | Used by users for discussion o particular thread |