**Team Members: Roxana Ugaz, Masi Mapiye and Shreestina Tamrakar**

**Project Title:** Monitoring of Tailings Dam with Piezometers Readings

**Project Description/Outline:**

It is a real case study of a data visualization of instrumentation on a Tailings Dam.

The data represents pore water pressure readings caught up by vibrating wire piezometers (VWP) in an existing embankment.

**Data Sources:**

Private API source of piezometers readings from a Mine site to monitoring pore water pressure in a Tailings Dam. (confidentiality data)

**Number of datasets:** Five instruments (Vibrating Wire Piezometers) VWP with 1756 readings in total from 2016 to 2021.

**Track of project:**

We are creating a dashboard page with multiple charts (at least 3) that update from the same datasets to show pore water pressure reading in the tailings dam.

**References:**

**Rough Breakdown of Task (Who's doing what)**

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| --- | --- | --- |
|  | **Task** | **(Who's doing what)** |
| 1 | Collecting Data from third party API and storing in a database(back end) | Roxana |
| **2** | Working on visualization (HTML/CSS JavaScript files)(front end) | Shreestina |
| **3** | Connect the back end and Front end | Masi |