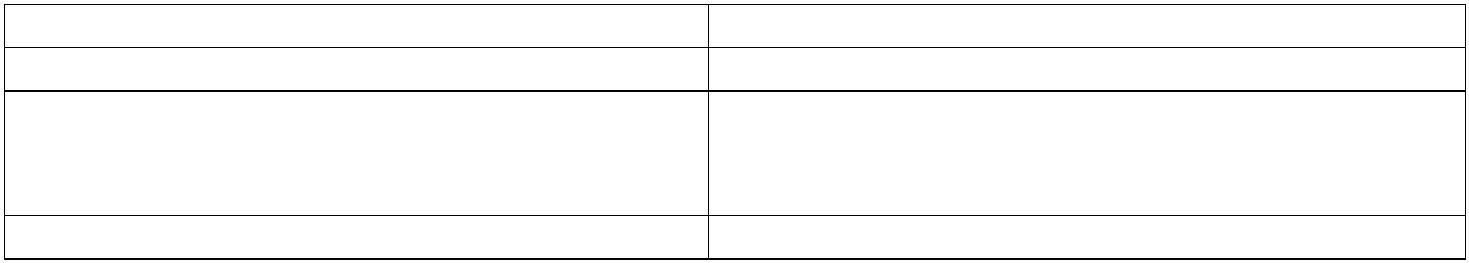


Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date Team ID

Project Name Maximum Marks

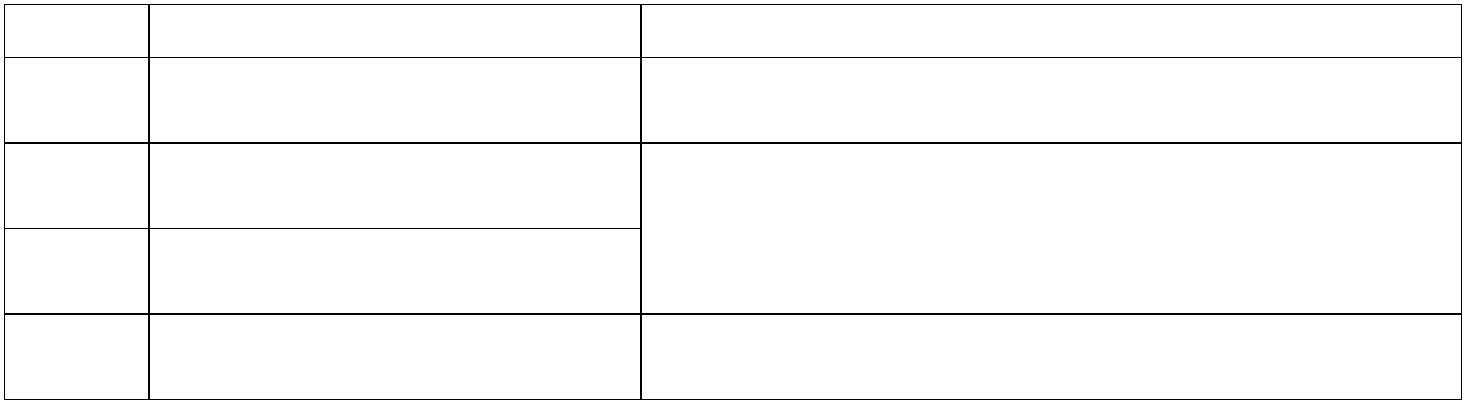
03 October 2022 PNT2022TMID17030

Project –Real Time River Water Quality Monitoring &

Control System 4 Marks

# Functional Requirements:

Following are the functional requirements of the proposed solution.



**FR No.**

FR-1

**Functional Requirement (Epic) Sub Requirement (Story / Sub-Task)**

Users Authorization levels

FR-2

Historical Data

FR-3

User Authentication

FR-4

Users rules and laws

Complete mapping are given in a hierarchical

manner in order to show only the specific Data.

The Data are stored in the cloud from the beginning Stage till the Updation .

The credentials is accessible only to the authorized users to access the model.

There is some specific guidelines which has to be followed by the users.

# Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

# FR No. Non-Functional Requirement Description

NFR-1 **Usability** The Final data should be easily understandable.

NFR-2 **Security** The model are designed in a secured manner in order to maintain the privacy

NFR-3 **Reliability** Even if there is a firmware issues (failures) the last updated Data’s are stored in a Default manner.

NFR-4 **Performance**

NFR-5 **Availability**

NFR-6 **Scalability**

High quality sensors are used to ease the

customer’s work.

The model are designed in such a way that are available ,usable and can be modified anytime. The System are Scaled according to the size of the water body (varies)