# ProjectDesignPhase-I Solution Architecture

|  |  |
| --- | --- |
| Date | 28 october 2022 |
| TeamID | PNT2022TMID34329 |
| ProjectName | Project–Smartfarmer-IoTenabledsmart  farmingapplication. |
| MaximumMarks | 4Marks |

**SolutionArchitecture:**

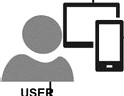
Solutionarchitectureisacomplexprocess–withmanysub-processes–thatbridges the gap between business problems and technology solutions. Its goals are to:

* Findthebesttechsolutiontosolveexistingbusinessproblems.
* Describethestructure,characteristics,behavior,andotheraspectsofthe software to project stakeholders.
* Definefeatures,developmentphases,andsolutionrequirements.
* Providespecificationsaccordingtowhichthesolutionisdefined,managed, and delivered.

# Example-SolutionArchitectureDiagram:

SOFTWAREFORSMARTAGRICULTURE

FUNCTIONS Smart&Green



SOILMOISTUREDATA

IRRIGATIONSYSTEMDATA

**DATA**

CROP

WEATHERDATA

....

*(*

*Iii*

**o**½0**o:**

...,...

PHYSICAL

,•·o·,···.

•

*yt;;;;*

CLIENT

SOIL

..,

**SERVER**

SOIL

**Q.**

'®

@

GATEWAY WEATHER

**CLIENT**

FUSION

•

COMMUNICATION

SYNCHRONIZATION

STORAGE

**t 5**

**llliiii5**

SERVICES

•

INFORMATION

P•REDICTION

SOILMOISTURE REGISTER

WATERBALANCE

MATRICPOTENTIAL

APPLICATION

BALANCE

**WATER**

PLAN

**e**

STATION

r

WEATHER

**SELECT**

CROPREGISTER

