

DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

**PROJECT PROPOSAL**

# 20AML-4 (B)

# Project Title:-

# Agricultural Production Optimization Engine

1. **Project Purpose:-**

**Build a Predictive Model so as to suggest the most suitable Crops to grow based on the available Climate and soil Conditions.**

1. **Project Scope:-**

**Archieve Precision Farming by Optimizing the agricultural production.**

1. **Requirements:-**

**Following are the functional Requirement.**

* **Data cleaning**
* **Data Handling**
* **Features detection from data**
* **Machine Learning algorithm**

**Equipment and Software.**

* **Python (including libraries like Pandas , matplotlib etc.)**
* **Jupyter notebook**

## STUDENTS DETAILS

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **UID** | **Mobile Number** | **Signature** |
| Ankith Raj | 20BCS6684 | 9391425798 |  |
| Aryan Kushwaha | 20BCS6691 | 7470402667 |  |
| Kailash Dewangan | 20BCS6676 | 9179057840 |  |
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| Sarthak Jain | 20BCS6689 | 9518833885 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

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| **Name** | **Title** | **Signature (with Date)** |
|  | Supervisor |  |
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