

Project design phase - II
Solution requirements (Functional and Non-functional)

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| Date | 19-10-2022 |
| Team ID | PNT2022TMID22559 |
| Project Name | Estimate the crop yield using data Analytics |

Functional requirements:

| Functional requirement | Description |
|-------------------------------|---|
| Registration | Registers a new user through registration form |
| Google authentication | New user can get added even by using a google account |
| Login | Lets the registered user to login to the portal |
| Take in the required data | This takes in the required data from the user |
| Estimation | A prediction of crop yield is done based on the current data |
| Analysis | An analysis is done on the given data to gain useful insights |

Non-functional requirements:

| Non-functional requirement | Description |
|-----------------------------------|---|
| Performance | The software should provide us good performance |
| Reliability | The UI should be user friendly and easily understandable |
| Availability | It should be available for access at any time from anywhere |
| Scalability | The software should be flexible and other developers must be able to improve its capabilities |