

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

<b>Date</b>	31-10-2022
<b>Team</b>	PNT2022TMID14409
<b>Project Name</b>	Estimate the crop yield using data Analytics

**Functional requirements:**

<b>Functional requirement</b>	<b>Description</b>
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:**

<b>Non-functional requirement</b>	<b>Description</b>
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