

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

<b>Date</b>	11-10-2022
<b>Team ID</b>	PNT2022TMID13175
<b>Project Name</b>	Estimate the crop yield using data Analytics

**Functional requirements:**

<b>Functional requirement</b>	<b>Description</b>
Registration	A new user can be created using the registration form
Google authentication	Add new user with a pre-existing google account
Login	Easy login for already existing users
Take in the required data	Take input data from the user for which prediction is to be performed
Estimation / Prediction	A prediction of crop yield is done based on the user input
Analysis	An analysis is done on the given data to gain useful insights on the crop yield

**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 scalable for larger datasets

Security	The user login and registration should be secure end to end
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