

**IDEATION PHASE**

**LITERATURE SURVEY**

Date	3 September 2022
Team ID	PNT2022TMID46404
Project Name	Smart Farmer - IOT Enabled Smart Farming Application
Maximum Marks	

S. No	Title of the Paper	Author	Year	Journal Name	Remarks
1.	Iot Smart Agriculture Monitoring System	Harika Pendyala, Ganesh Kumar Rodda, Anooja Mamidi, Madhavi Vangala	2020	International journal of Scientific Engineering and Research(IJSR)	<ul style="list-style-type: none"> <li>The main advantage of IoT monitor the agriculture by using the wireless sensor networks and collect the data from different sensors which are deployed at various nodes and send by wireless protocol.</li> <li>This system starts to check the humidity and moisture level</li> </ul>
2.	Iot Based smart agriculture	M.Manoi Venkata sai, K.Subba Rao	2018	Iconic Research and Engineering journals(IRE)	<ul style="list-style-type: none"> <li>My project is to give cheap, reliable, cost efficient and easy to use technology which would help in conservation of resource such as water and also in automating farms.</li> <li>We proposed use of temperature, moisture, humidity and pH sensor at suitable locations for monitoring of crops.</li> </ul>
3.	Smart Agriculture Monitoring System using Iot	Dr.Sanjay, N.Patil, Madhuri B. Jadhav	2019	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)	<ul style="list-style-type: none"> <li>This project includes sensors such as temperature, humidity, and soil moisture and rain detector for collection of field data and processing.</li> </ul>
4.	An Iot Based Smart Irrigation System	Priyadharsnee.K, Dr.S.Rathi	2017	International Journal of scientific and Engineering Research	<ul style="list-style-type: none"> <li>This project aims at monitoring the soil parameters like soil moisture, temperature and electrical conductivity and</li> </ul>

					<p>automates the irrigation process.</p> <ul style="list-style-type: none"> <li>Along with soil parameters, plant pest detection is also included in this project. This ensure the complete system health</li> </ul>
5.	Agriculture System using IoT Technology	Muthunoori Naresh, P Munaswamy	2019	International Journal of Recent Technology and Engineering (IJRTE)	<ul style="list-style-type: none"> <li>IOT is remodelling the agribusiness empowering the agriculturists through the extensive range of strategies,</li> <li>for example, accuracy as well as practical farming to deal with challenges in the field</li> </ul>
6.	Smart Irrigation System Based on Soil Moisture using IOT	S nalini Durga, M Ramakrishna	2018	International Research Journal of Engineering Technology (IRJET)	<ul style="list-style-type: none"> <li>IoT helps to access information and make major decision making process by getting different values from sensors like soil moisture, water level sensors, water quality etc.</li> <li>This paper focuses reducing the wastage of water and minimizing the manual labour on field, saving time and power of the farmer</li> </ul>
7.	Intelligent Irrigation Manage System	Wafa Difallah,Khelifa Benahmed,Fateh Bounama,Belkacem,Ahmed Saaidi	2018	International Journal of Advanced Computer Science and Application	<ul style="list-style-type: none"> <li>The aim of this paper is to shed light on the irrigation systems, how they can applied, and what are their benefits.</li> <li>With the adoption of solar energy to feed the system. This energy source is strongly available in arid zones</li> </ul>
8.	IoT Based Irrigation Remote Real-Time Monitoring And Controlling Systems	Tigist Hilemariam senbetu,Kishore Kumar K,G.M.Karpura Dheepan	2019	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	<ul style="list-style-type: none"> <li>Farming plays key part in the growth of a country like Ethiopia.</li> <li>The major advantage of the system is the direct human intervention is avoided when implementing the system with variety of low cost sensors and Internet of Things</li> </ul>

9.	Smart Agriculture System using IoT Technology	Adithya Vadapalli, Swapna Peravali and Venkata Rao Dadi	2020	International Journal of advance Research in science and Engineering	<ul style="list-style-type: none"> <li>• On joining process in research and development in smart agriculture and artificial intelligent be cutting edge technology in data compiling and resource optimization.</li> <li>• the pest &amp; insects controls that protect damaging the crop and resource utilization be breakthrough</li> </ul>
10.	A Research paper on Smart Agriculture using IoT	Ritika Srivastava, Vandana Sharma, Vishal Jaiswal, Sumit Raj	2020	International Research Journal of Engineering and Technology	<ul style="list-style-type: none"> <li>• The Project aims at and making use of evolving technology i.e.IoT and smart agriculture using automation.</li> <li>• One of the part hardware may bring some undesirable effects in other part of the hardware</li> </ul>