



## Division of Data Science and Cyber Security

ZERO REVIEW FORM for  
**MINI - PROJECT (0:0:2)**  
[Course Code: - MP2911]

Register No: URK22CO2002	Name: Balaji A
Semester: VI	Course Code: MP 2 9 1 1

Name of the Establishment: Karunya Institute of Technology and Sciences
Brief Description of the Establishment:
Karunya Institute of Technology and Sciences is an Institution with a social concern. The mission is to raise scientists and entrepreneurs to find solutions by developing products in the areas of food, water, health care and energy with the best skills to solve the problems of Humanity.

Duration of the Project (4 weeks): From: 01.01.25 To: 31.01.25
Project Title: Smart Farming Assistant
Brief Description of the Project
<p>The <b>Smart Farming Assistant</b> is an intuitive web-based platform designed to assist farmers in making smarter agricultural decisions using advanced technologies. This system provides tailored insights to enhance productivity and sustainability in farming.</p> <p>Key features of the platform include:</p> <ol style="list-style-type: none"><li><b>Plant Suitability Finder:</b> Farmers can input parameters like soil type, climate conditions, and water availability to identify the most suitable crops for their region.</li><li><b>Problem Diagnosis and Solutions:</b> Using an interactive interface, farmers can describe or upload details about issues like pest attacks, nutrient deficiencies, or abnormal plant growth. The system suggests actionable solutions based on AI-driven recommendations and agricultural best practices.</li><li><b>Plant Disease Detection:</b> Farmers can upload images of affected plants, and the platform uses machine learning algorithms to identify diseases and provide appropriate remedies.</li></ol> <p>By integrating a database of regional agricultural data, IoT sensors (optional), and AI-powered analytics, the <b>Smart Farming Assistant</b> ensures precise and timely advice. Farmers can access these features from any device, empowering them with the knowledge to increase crop yields, reduce resource wastage, and improve plant health.</p>

*[Handwritten signature]*

Signature of the Student

Name of the Guide	Ms. Bertia
Signature of the Guide	<i>[Handwritten signature]</i> 11/12/24