NFT - Detailed Test Plan				
S.No	Project Overview	NFT Test approach	Assumptions/Dependencies/Risks	Approvals/Sign Off
1.	Smart Farmer	Spike Testing – For the sensors in the module.	1. For the temperature and humidity sensor, the values should be tested at extreme high, moderate, and extreme low levels to know that the indication is going on correctly. 2. For the Ultrasonic distance sensor, the distance will be increased and decreased to simulate the water level in the field. 3. For soil moisture, the random function should generate the values within the limit. 4. The ESP32 module should process and transmit data to IBM cloud.	Approved
2.	Smart Farmer	Endurance Testing – For Watson IoT visualization boards.	1. The parameter data should be accessed through the IBM Watson IoT Platform. 2. The visualization data should be continuously stored for a specified long duration.	Approved
3.	Smart Farmer	Resilience Testing – For Node-Red Dashboard Visualization.	1. The Node-Red should be able to perform well with different datasets or payloads coming from the module. 2. The Node-Red should display the correct parameter data and both the IBM and Node-Red data should match.	Approved
4.	Smart Farmer	Load Testing – For accessing the parameter data and controlling the motor from the mobile application.	1. The parameter data can be viewed and the motor should be controlled from the mobile application itself. 2. The data should be precise even if multiple user data for visualization.	Approved