Annexure-I

Team : Synergy-Innovators

	Name	Gender (M/F)	Email id	Mobile no.	Stream	Academic Year
Team Leader	Soumyadip Roy	M	roy.soumyadip2704@gmail.com	8240602704	CSE	4
Team Member	Piyush Chaudhary	M	forkmemaybe@gmail.com	6395560039	CSE	4
Team Member	Priyanshu Singh	M	in.priyanshusingh@gmail.com	6307462783	CSE	4
Team Member	Saksham Pundir	M	pundirsaksham09@gmail.com	8218012509	MEC	3
Team Member	Aarushi Sharan	F	aarushisharan123@gmail.com	7976021874	Forensics	1
Team Member	Simran Kumari	F	simrandeep0607@gmail.com	7004480712	Forensics	1

PSID : **25007**

Problem Statement: *Development of a Digital Farm Management Portal for Monitoring Maximum Residue Limits (MRL) and Antimicrobial Usage (AMU) in Livestock*

Proposed Solution: FarmSense: Intelligent, Offline-Ready Livestock Management with Visual-Insights

The solution tries to eradicate the issues existing with current nation-level digital farm-management portals such as, but not limited to, 'AMU-AMR Livestock Tool by NIVEDI'. Currently, portals as these do mitigate issues, but not robustly. There are areas of further improvement such as in adopting mobile implementations, enhancing farmer-centric user-experience, elevating current data-visualizations, adopting offline solutions, and adoption of AI-based guidance. Our solution would consist of a web-based platform (front-end and back-end), and also a mobile-application (flutter-based). Our solution includes all of these. The gaps in these particular areas have been researched and found out to be significantly relevant. The modules in the system shall be: Livestock Records Management, Feed and Nutrition

Tracking, Health & Vaccination Management, Yield Records, AMU-Monitoring, and AMR-Monitoring.

The solution would have a spectrum of outcomes as a follow-up: increase in usage of digital livestock-services by farmers, fastening implementation of gov. policies in relation with the Department of Animal Husbandry & Dairying (DoAH&D), and increase in the quality of service (QoS) in the digital-farming domain.

Flow Chart/Block Diagram/3D Diagram of the Solution: