Weekly Status Report

Project Title	Quantum Resilient Cybersecurity for Avionics Networks: A Cloud Native, API Driven Solution Integrating Big Data and Blockchain		
Batch No	89		
Week Starting Date	7/10/24	Week Ending Date	12/10/24
Name	AKHMAL MOHAMMED ROHIT MADDALY SAAHIL SUDHIR PAKHARE SHREYA HEGDE	SRN	PES2UG22CS047 PES2UG22CS459 PES2UG22CS475 PES2UG22CS532

Activities Completed

#	Tasks	Date	Remarks
1	Finalising on a project title	8/10/24	Settled on the project title to accurately represent the focus on securing avionics networks

In Progress

#	Tasks	Date	Remarks
1	Assessing and selecting the tech stack to support the cloud-native, API-driven approach for securing avionics networks.	8/10/24	Identified Post-Quantum Cryptography(PQC) as a potential method.
2	Conduct a feasibility study to evaluate the practicality and potential challenges of implementing the proposed cybersecurity solution	10/10/24	Outlined the feasibility study in four key areas—technical, legal, operational, and business to assess the practicality of the proposed solution
3	Create a PowerPoint presentation for ISA review	10/10/24	Creation of PPT in progress, relevant content being added.

Plan for Next Week

#	Tasks	Date	Remarks
1	Prepare for Review	13/10/24 -21/10/24	Preparing for the review by finalizing and reviewing the presentation to ensure all aspects of the project are clearly

			communicated. Constant updation of content
2	Explore and identify the appropriate testbench to validate the system's components and functionality after the review.	31/10/24	To finalise on a testbench

Signature of Project Guide
Prof . Animesh Giri

Signature of Project
Coordinator

Signature of
Chairperson