Department of Information Technology

Academic Year: 2023-24

Tata Advanced Systems Limited (TASL) offered 6 different projects to the students (team size of 3 members each). Following was the proposition towards the Final year BE project execution at TASL:

Project 1:
Implement some rules in graylog + suricata to achieve cyber secure data centre.

Project 2:
Update and validate implementation of ANPR and Face Recognition using SPIDER® cloud

Job Description:
Some background about development on angularjs + .net and / or pytorch.
Some background on cyber security

Project 3:
Research / Algorithm support for development of Multiple Sensor Data Fusion and associated capabilities.

Project Background: The main function of Multiple Sensor Data Fusion is to coherently combine the information collected through wide variety of sensors (Radars, IR, Optical / Thermal etc) which are spatially distributed or co-located. Based on multiple tactical sensors, data fusion and correlation of data, a highly detailed and accurate situational picture can be created which enables decision support in tactical scenarios.

Job Description:
Study and document set of Algorithms for:
1) Extended Kalman Filter implementation for an Active Protection System
2) An Efficient Implementation of Data Fusion using Multiple Hypothesis Tracking Algorithm for a combat management system
3) Real time threat assessment and counter fire

The following 4 teams were selected under Mr. Sunil Badlani for execution of their BE Project at TASL.

ID	Team Member 1 Name (Team Leader)	Team Member 2 Name	Team Member 3 Name	Tech Lead	Project	Guide
Team 3	Jainil Bhavesh Shah	Jayneet Jain	Mihika Kubadia	Sunil Badlani	spidercloud	Ms. Stevina Correia
Team 9	Gautam Malpani	Devraj Anchan	Jemish Patel	Sunil Badlani	cyber	Ms. Savyasachi Pandit
Team 10	Vraj Desai	Ashray Gattani	Dhruv Kudalkar	Sunil Badlani	spidercloud	Ms. Prachi Satam
Team 7	Suraj Manab Parui	Ishan Mahesh Desai	Chakshu Agarwal	Sunil Badlani	spidercloud	Ms. Neha Agarwal

The following teams were selected under Mr. Ketan Joshi for execution of their BE Project with TASL.

ID	Team Member 1 Name (Team Leader)	Team Member 2 Name	Team Member 3 Name	Tech Lead	Project	Guide
Team 6	Om Thakrar	Vardhan Doshi	Vinit Shah	Ketan Joshi	MTT - Data Fusion	Ms. Neha Katre
Team 5	Burhanudin Kadar	Rahul Kapadia	Nency Patel	Ketan Joshi	External Ballistics Trajectory Computation	Ms. Monali Snakhe

Ms. Stevina Correia

Ms. Prachi Tawde

(Project Coordinators)