Tata Advanced Systems Limited offered 3 different projects to the students (team size of 2-3 members each). Following was the proposition towards the Final year BE project execution at TASL:

1. **Internet of Things**
   - Study of 2 nos. HW kits and sensors that TASL has. SW Interface with the sensors (Fire, Access, Vibration, IR detection etc.) registering their event response.
   - Create a SW module that prioritizes the events and passes them (using a defined API) to a Centralized Command and Control SW.
   - Prepare test cases, testing the HW module and sensors for its working.
   - Document the SW developed.
2. **Cyber Security**
   - Study BAS systems (Breach Attack Simulation), choose an Open-source project and get it working.
   - Develop additional reports around the system and contribute into the same.
   - Prepare test cases, perform / simulate BAS (Breach attack simulation) and check for its working.
   - Document the SW developed.
3. **Analytics**
   - Study ONVIF protocols with which Camera sensors interact.
   - Implement 2-way audio interface with a camera.
   - Voice command processing for common operations of software using open libraries.
   - Integrate these commands into Command-and-Control software.

The following students were selected for the same.

SAP ID	Name	Guide	Topic
60003190038	Princy Deepak Doshi	Prof. Stevina Correia	Vioogle: Surveillance detection and analytical system **(Analytics)**
60003200121	Arwa Juzer Ujjainwala		
60003190015	Darshil Kikani	Prof. Sharvari Patil	Development of Breach attack simulation and security operations center **(Cyber Security)**
60003190030	Kharanshu Mehta		
60003190034	Nimai Patel		
60003190011	Chaitanya Kumbhar	Prof. Priyanca Gonsalves	Integrating distributed IoT based sensors into C3 (Central Command and Control) application **(Internet of Things)**
60003190004	Alankrit Arya		

Prof. Stevina Correia

Prof. Prachi Tawde

(Project Coordinators)