Learning Needs Matrix

Group ID :- **413025** Date :- _____

			Purpose / Product concept	
Tools/ Methods/ Theories	During	During	During	**Applicable stanars and design specification/ Principles and Experiments**
	Controlled Robot using Android App "Arduino & Controller ESP32 Bluetooth"			
		Application Automation	Petrolling GPS track and Recording System.	
Application Process Involved	It works through Arduino Uno by using ESP32 Module.			
		BE IV	BE IV	**Component materials' strength criteria (exploration-varieties/ testing requirements)**
	BE IV For better surveillance used GPS system and Android App.	Learned Embedded System in Automation.	Various Algorithms	
Software/ Simulation / Skill / Mathematical Requirement			Servers and Programming	
		Learned Arduino Board and its Programming.	Learned Electrical Drivers and other equipments.	Android / IOS Application
	Established connection between Android Phone & bluetooth module.		Control using Android phone.	