

2.2.3. Quality of student projects

Table 2.2.3g: Types and Relevance of the Final year Projects _Batch 2019-2023

Project Group No.	Team Members		Project Title	Institution/Research Project Category	Research/Application Type	Execution of Project	Contributions applicable to the project						
	USN	Name					Innovation	Environment	Cost	Society	Safety	Ethics	PO/PSO Mapping
B-1	1KG19EC047	Kampalli Sohith	Implementation of IoT Based Early Flood Detection and Alarming	Institution	Application Type	Executed							PO1,2,3,4,5,6,7,9,10,11,12, PSO1 PSO2
	1KG19EC052	Kovi Sharath Chandra											
	1KG19EC096	Thota Mohan Babu						Y		Y	Y		
	1KG19EC099	Vonti Konda Anil Kumar											
B-2	1KG19EC010	Bana Sudheer Kumar Reddy	IoT Based Locker Security System Using 2-Way Authentication	Institution	Application Type	Executed							PO1,2,3,4,5,6,8,9,10,11,12, PSO1 PSO2
	1KG19EC035	Gowthami S											
	1KG19EC022	Deepthi Sshrie R H							Y	Y	Y		
	1KG20EC401	Shivani K Patil											
B-3	1KG19EC070	Pavan K	Implementation of Self-Sealing Smart Dustbin Using IoT	Institution	Application Type	Executed							PO1,2,3,4,5,6,7,8,9,10,11,12, PSO1 PSO2
	1KG19EC075	Prashanth G						Y		Y	Y	Y	
	1KG19EC076	Prashanth S											
	1KG19EC098	Vaishnavi U P											
	1KG19EC020	Chirag S							Y		Y		

B-4	1KG19EC024	Dhanush K	Implementation of a Prototype for Automatic Compression Mechanism in BVM	Institution	Application Type	Executed							PO1,2 3,4,5, 9,10, 11,12, PSO1 PSO2
	1KG19EC085	Samarth Srinivas											
	1KG20EC400	Dheva C											
B-5	1KG19EC049	Kavya C	Implementation of an Automated Portable Hydroponic System for Indoor Environment	Institution	Application Type	Executed		Y		Y	Y		PO1,2 3,4, 9,10, 11,12, PSO1 PSO2
	1KG19EC050	Kavya S E											
	1KG19EC051	Keerthana B R											
	1KG19EC056	Madan C B											
B-6	1KG19EC043	Jetti Bheemesh	An IoT Based Smart Wearable System for Monitoring Asthma Patients	Institution	Application Type	Executed		Y	Y	Y	Y	Y	PO1,2 ,3,4,5, 6, 8, 9,10, 11,12, PSO1 PSO2
	1KG19EC058	Manam Teja											
	1KG19EC062	Monika V G											
	1KG19EC090	Sneha B											
B-7	1KG19EC017	Chaitra S	Design of Smart and Secure Courier Box through IoT	Institution	Application Type	Executed			Y	Y	Y	Y	PO1,2 3,4,5, 6, 8, 9,10,1 1,12, PSO1 PSO2
	1KG19EC018	Chandini P											
	1KG19EC042	Jahnvi Ramakrishna											
	1KG19EC053	Lavanya B V											
B-8	1KG19EC007	Ankush B L	Implementation of Prototype for Car Accident Detection	Institution	Application Type	Executed			Y	Y	Y	Y	PO1,2 3,4,5, 6, 8 ,9,10, 11,12, PSO1 PSO2
	1KG19EC028	Dhureen L											
	1KG19EC031	Gagan Sagar K M											
	1KG19EC038	Harish Kashyap											

B-9	1KG19EC004	Anipakula Geervani	IoT Based Crop Monitoring and Fortification	Institution	Application Type	Executed		Y		Y		PO1, 2,3,4, 5,6, 7,9,10 11,12 PSO1 PSO2	
	1KG19EC016	C Girishma Sai											
	1KG19EC026	Dharmvarapu Prathyusha											
	1KG18EC031	Maheshwari A. V											
B-10	1KG19EC005	Anirudh G	Characterization and Calibration of Gas Sensors for Air Quality Monitoring	Institution	Application Type	Executed		Y		Y	Y	Y	PO1,2 3,4,5, 6, 7,9,10 11,12 PSO1 PSO2
	1KG19EC008	B Gowtham											
	1KG19EC014	Bhuvan S											
	1KG19EC027	Dheeraj M											
B-11	1KG19EC041	Jagarlamudi Kavya Sree	Identification and Classification of Leaf Diseases Using Neural Networks	Institution	Application Type	Executed		Y		Y	Y		PO1,2 3,4,5, 6, 7,9,10 11,12 PSO1 PSO2
	1KG19EC071	Pokuri Pavani											
	1KG19EC072	Pooja Ab											
	1KG19EC089	Sireesha R											
B-12	1KG19EC023	Devapathni Pavan Kumar	Eye Tracking System for Appliance Control by Paralyzed Patients	Institution	Application Type	Executed			Y	Y	Y		PO1,2 3,4,5, 6, 9,10 11,12 PSO1 PSO2
	1KG19EC054	Lingutla Tarun Kumar											
	1KG19EC057	Malapati Dileep											
	1KG19EC060	Modupalli Pavan Kumar											
B-13	1KG19EC012	Bharath Kumar R	Design And Implementation of Automatic Pet Feeder	Institution	Application Type	Executed				Y	Y		PO1,2 3,4,5, 6, 9,10 11,12 PSO1 PSO2
	1KG19EC046	Kakarla Sai Abhiram											
	1KG19EC065	Navya S											
	1KG19EC094	Surabhi N											

B-14	1KG19EC067	Niriksha V Murthy	Design And Fabrication of a Prototype for Knee Rehabilitation	Institution	Application Type	Executed			Y	Y	Y	Y	PO1,2 3,4,5, 6, 8,9, 10 ,11 12 PSO1 PSO2
	1KG19EC068	Nithin L							Y	Y	Y	Y	
	1KG19EC073	Prajwal S K											
	1KG19EC078	Pratyush Kumar											
B-15	1KG19EC074	Pramod R	A Comparative Study on Performance of Fixed and Automatic Solar Tracking System	Institution	Application Type	Executed		Y	Y	Y		Y	PO1,2 3,4,5, 6,7 8,9,10 11,12 PSO1 PSO2
	1KG19EC081	Raghu R						Y	Y	Y		Y	
	1KG19EC083	Sagar B T											
	1KG19EC092	Sudeep G R											
B-16	1KG19EC080	R Sasikala	Smart Electronic Aid for Visually Impaired	Institution	Application Type	Executed			Y	Y	Y	Y	PO1,2 3,4,5, 6, 8, 9,10 11,12 PSO1 PSO2
	1KG19EC084	Saicharitha Y							Y	Y	Y	Y	
	1KG19EC088	Shubha M											
	1KG19EC093	Suma B L											
B-17	1KG19EC015	Bindhushree R	Development of a Wireless Mobile Computing Platform for Fall Prediction	Institution	Application Type	Executed			Y	Y	Y	Y	PO1,2 3,4,5, 6, 8,9,10 11,12 PSO1 PSO2
	1KG19EC030	G Satheesh							Y	Y	Y	Y	
	1KG19EC033	Goalla Likhitha											
	1KG17EC088	V Bharath Kumar											
B-18	1KG19EC006	Anjali M	Development and Implementation of Driver Drowsiness Detection System	Institution	Application Type	Executed			Y	Y	Y	Y	PO1,2 3,4,5, 6, 8,9,10 11,12 PSO1 PSO2
	1KG19EC019	Charitha P Loganathan							Y	Y	Y	Y	
	1KG19EC039	Harshith Kumar K M											
	1KG19EC064	Narra Maheshchandra											
	1KG19EC029	Durga Prasad G	Image Processing Based						Y	Y	Y		PO1,2 3,4,5, 6,
	1KG19EC034	Gogineni Gambhir											

B-19	1KG19EC037	Hari Prasath B	Mapping and Surveying of Land Using Drone	Institution	Application Type	Executed							9,10 11,12 PSO1 PSO2
	1KG19EC045	K Santhi Swaroop											
B-20	1KG19EC059	Manjunath M	Implantation of IoT Based Smart Warehouse Monitoring System	Institution	Application Type	Executed			Y	Y	Y		PO1,2 3,4,5, 6, 9, 10, 11, 12 PSO1 PSO2
	1KG19EC077	Prathyusha											
	1KG19EC087	Shreeraksha H											
	1KG19EC091	Steffi K Thomas											
B-21	1KG19EC002	Amrit Sarkar	Design of a Fitness Monitoring System for Gym Users	Institution	Application Type	Executed			Y	Y	Y		PO1,2 3,4,5, 6, 9, 10 11, 12 PSO1 PSO2
	1KG19EC069	P Divakar											
	1KG19EC079	R J Yaswanth											
	1KG19EC097	Towqeer Madni											
B-22	1KG19EC025	Dhanush M	IoT Based Vehicle Theft Detection	Institution	Application Type	Executed			Y	Y	Y		PO1,2 3,4,5, 6, 9, 10 11, 12 PSO1 PSO2
	1KG19EC044	K Bharath											
	1KG19EC055	M Tharun											
B-23	1KG19EC009	B Lokesh Babu	Smart Helmet	Institution	Application Type	Executed			Y	Y	Y		PO1,2 3,4,5, 6, 9, 10 11, 12 PSO1 PSO2
	1KG19EC021	D Yaswanth											
	1KG19EC086	Santosh Kumar B											
	1KG19EC095	T Harish											
B-24	1KG19EC001	Aafiya Kulsoom	Smart Shopping Trolley with Automated Billing	Institution	Application Type	Executed			Y	Y			PO1,2 3,4,5, 6, 9, 10 11, 12 PSO1 PSO2
	1KG19EC011	Bhagyalakshmi J H											
	1KG19EC013	Bhavana S											
	1KG19EC048	Karuna S											

B-25	1KG18EC002	Adusupalli Tharun Kumar	Home Automation System	Institution	Application Type	Executed			Y	Y	Y			PO1,2 3,4,5,6, 9,10 11,12 PSO1 PSO2
	1KG19EC032	Girisala Adarsha Naidu												
	1KG19EC082	Rajdeep Sai S												
	1KG17EC068	Sahana S												
	1KG17EC076	Shreyas R D												
	1KG17EC082	Sudarshan S												

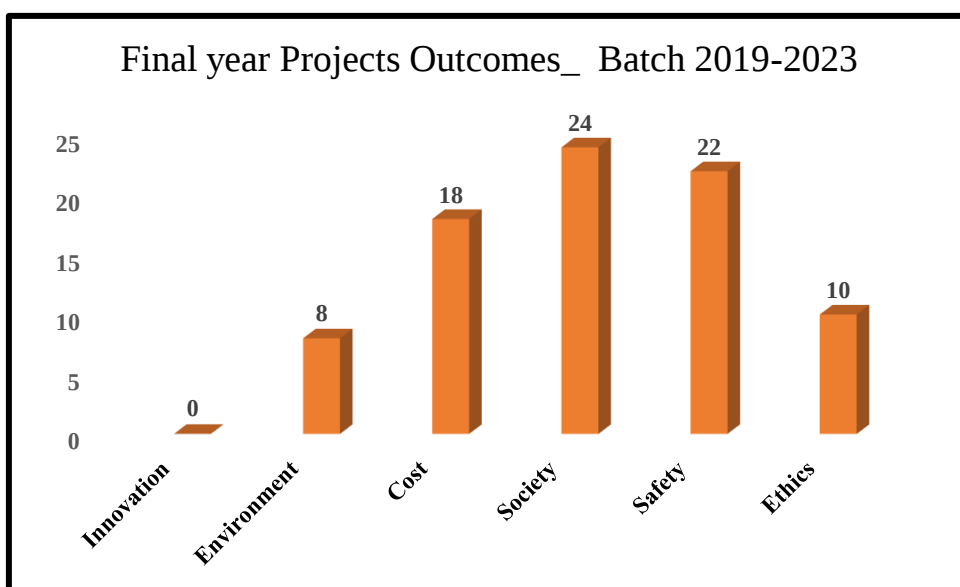


Figure 2.2.3d: Final year Projects Outcomes_ Batch 2019-2023

Table 2.2.3h: Title of the Final Year Project Batch 2019-2023 (During 7th and 8th Sem)

Batch	Project Title
B-1	Implementation of IoT Based Early Flood Detection and Alarming
B-2	IoT Based Locker Security System Using 2-Way Authentication
B-3	Implementation of Self-Sealing Smart Dustbin Using IoT
B-4	Implementation of a Prototype for Automatic Compression Mechanism in BVM
B-5	Implementation of an Automated Portable Hydroponic System for Indoor Environment
B-6	An IoT Based Smart Wearable System for Monitoring Asthma Patients
B-7	Design of Smart and Secure Courier Box through IoT
B-8	Implementation of Prototype for Car Accident Detection
B-9	IoT Based Crop Monitoring and Fortification
B-10	Characterization and Calibration of Gas Sensors for Air Quality Monitoring

B-11	Development and Implementation of Driver Drowsiness Detection System
B-12	Eye Tracking System for Appliance Control by Paralyzed Patients
B-13	Design And Implementation of Automatic Pet Feeder
B-14	Design And Fabrication of a Prototype for Knee Rehabilitation
B-15	A Comparative Study on Performance of Fixed and Automatic Solar Tracking System
B-16	Smart Electronic Aid for Visually Impaired
B-17	Development of a Wireless Mobile Computing Platform for Fall Prediction
B-18	Development and Implementation of Driver Drowsiness Detection System
B-19	Image Processing Based Mapping and Surveying of Land Using Drone
B-20	Implantation of IoT Based Smart Wearhouse Monitoring System
B-21	Design of a Fitness Monitoring System for Gym Users
B-22	IoT Based Vehicle Theft Detection
B-23	Smart Helmet
B-24	Smart Shopping Trolley with Automated Billing
B-25	Home Automation System

Table 2.2.3i: Project contribution towards attainment of CO PO coverage for Project Batch 2019-2023

Batch	P O	P O1	P O2	P O3	P O4	PO 5	P O6	P O7	P O8	P O9	PO 10	PO 11	PO 12	PS O1	PS O2
18ECM P68	K- lev el														
B-1	K6	3	3	3	3	3	2	2	-	3	3	2	2	2	2
B-2	K6	3	2	3	2	3	2	1	2	3	3	2	2	2	2
B-3	K6	3	2	3	2	3	2	2	2	3	3	2	2	2	2
B-4	K6	3	2	3	2	3	-	-	-	3	3	2	2	2	2
B-5	K6	3	2	3	2	-	-	-	-	3	3	2	2	2	2
B-6	K6	3	2	3	2	3	2	-	2	3	3	2	3	2	2
B-7	K6	3	2	3	4	3	2	-	2	3	3	2	2	2	2
B-8	K6	3	3	3	3	3	2	-	2	3	3	2	2	3	3
B-9	K6	3	2	3	2	3	2	2	-	3	3	2	2	2	2
B-10	K6	3	2	3	3	3	2	2	-	3	3	2	2	2	2
B-11	K6	3	3	3	3	3	2	2	-	3	3	2	2	2	2
B-12	K6	3	3	3	3	3	2	-	-	3	3	2	2	2	2
B-13	K6	3	2	3	2	3	2	-	-	3	3	2	2	2	2
B-14	K6	3	3	3	2	3	2	-	2	3	3	2	2	2	2
B-15	K6	3	2	3	2	3	2	1	2	3	3	2	2	2	2
B-16	K6	3	2	3	2	3	2	-	2	3	3	2	2	2	2
B-17	K6	3	2	3	2	3	2	-	2	3	3	2	3	2	2
B-18	K6	3	2	3	2	3	2	-	2	3	3	2	2	3	3
B-19	K6	3	2	3	3	3	2	-	-	3	3	2	3	3	3
B-20	K6	3	2	3	2	3	2	-	-	3	3	2	2	2	2

B-4	1KG18E C040	Ganesh PK	Solar Outdoor Air Purifier with Air Quality Monitor	Institution	Application Type	Executed		Y		Y	Y		PO1,2,3, 4,5,6, 7, 9, 10,11, 12, PSO1 PSO2
	1KG18E C049	Santosh R											
	1KG18E C055	Srimannarayana N K											
	1KG18E C056	Sriramsrinivasan N K											
B-5	1KG18E C052	Siddanth Sand	Home Security System using GSM	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6, 9,10,11, 12, PSO1 PSO2
	1KG18E C053	Sinchana K P											
	1KG18E C060	Varsha. H											
	1KG18E C063	Vignesh B											
B-6	1KG18E C011	DEEKSH A S	A Secure IoT based Modern Health Care system using Body sensor Network	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6, 9,10,11, 12, PSO1 PSO2
	1KG18E C019	HARSHITHA M											
	1KG18E C028	KAVYAS HREE K											
	1KG18E C043	Priyanka Nag G V											
B-7	1KG18 EC009	Chandana K M	Detection of fake accounts in Twitter using ML	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6, 9,10,11, 12, PSO1 PSO2
	1KG18 EC061	Veluru Harish											
	1KG18 EC062	Venkatesh N											
	1KG18 EC066	Y Dhanush											
B-8	1KG17 EC014	Bhargavi K V	Design of IoT based Multifunctional Military Robot	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG17 EC008	Anarghya BG											
	1KG17 EC049	Mrunalini Girish											
	1KG17 EC032	Karthikeyan T J											
B-9	1KG17 EC099	Kavitha B R	IoT based Food Monitoring system using Low-cost sensors	Institution	Application Type	Executed			Y	Y	Y		PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG17 EC098	Jayanth Hegde H R											
	1KG17 EC075	Shreyas R											
	1KG16 EC029	Harsha											
	1KG18 EC033	Mayamma N	Advanced Vehicle	Institution		Executed			Y	Y	Y		PO1,2,3, 4,5,6,
	1KG19 EC401	Abhilash P R											

B-10	1KG19 EC406	Pavan V	Tracking System using GSM / GPS, with automatic locking		Applic ation Type								9,10, 11, 12, PSO1 PSO2
	1KG18 EC044	Rakshitha M R											
B-11	1KG17 EC002	Aaira Fathima	Hand Written Text Recognitio n Using Artificial Intelligence	Instit ution	Applic ation Type	Execu ted			Y				PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG18 EC039	O. Haritha											
	1KG18 EC003	Aishwarya Kamaty											
	1KG18 EC057	Sumanth BL											
B-12	1KG18 EC021	Hrithik V	Obstacle Detection and stratagem in Autonomo us vehicle	Instit ution	Applic ation Type	Execu ted		Y	Y	Y			PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG18 EC026	Kavana H											
	1KG18 EC027	Kavya S											
	1KG18 EC029	Kishore Kumar S											
B-13	1KG18 EC001	Abhishek M	Soldier Health Monitoring and Tracking System	Instit ution	Applic ation Type	Execu ted			Y	Y			PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG18 EC006	Anu A											
	1KG18 EC036	Naveen											
	1KG18 EC037	Nikitha CM											
B-14	1KG18 EC004	Akshay C Kashyap	Design and Implement ation of Image Encryption and Analysis using Dynamic AES	Instit ution	Applic ation Type	Execu ted			Y	Y			PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG18 EC046	Sadhana H C											
	1KG18 EC058	Sushma R											
	1KG18 EC065	Vishal K											
B-15	1KG18 EC010	Chandrash ekar N	Object Identificati on through Smart robot using Voice command	Instit ution	Applic ation Type	Execu ted			Y	Y			PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG18 EC017	Gurukiran K											
	1KG18 EC018	Harish S											
	1KG18 EC020	Hrishikesh K M											

B-16	1KG18 EC014	Edullabasha	Sign Language Interpretation using Machine Learning	Institution	Application Type	Executed				Y			PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG19 EC403	Chandan											
	1KG19 EC404	Madhu Narasimha											
	1KG18 EC069	Yogesh K											
B-17	1KG18 EC054	Sreeraksha .G. S	Implementation of IoT enabled smart door system for monitoring body temperature and face mask detection	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6, 9,10, 11, 12, PSO1 PSO2
	1KG18E C064	Vinisha R. P											
	1KG18 EC067	Yashaswin i G											
	1KG18 EC068	Yashaswin i G M											
B-18	1KG18 EC013	Doma Devishree	IoT based approach for Fully Automated Greenhouse	Institution	Application Type	Executed		Y		Y	Y		PO1,2,3, 4,5,6,7 9,10, 11, 12, PSO1 PSO2
	1KG18 EC022	J Akila											
	1KG18 EC038	Niraj Nishant											
	1KG19 EC402	Asmat Bashir											
B-19	1KG16 EC057	Mohammed Anas	War Field Spying Robot with Night vision wireless Camera	Institution	Application Type	Executed		Y	Y	Y	Y		PO1,2,3, 4,5,6,7 9,10, 11, 12, PSO1 PSO2
	1KG16 EC107	Taurays Fatima											
B-20	1KG17 EC034	Keerthi Malleth	Cloud-based Smart-Parking System based on Internet-of-Things Technologies	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6,9, 10, 11, 12, PSO1 PSO2
	1KG17 EC052	Nandini K											
	1KG17 EC013	Bharath A											
	1KG16 EC093	Skanda S											
	1KG18 EC008	Bhanupriya C N		Institution		Executed				Y	Y		PO1,2,3, 4,5,6,9,

B-21	1KG18 EC023	J R Pavanajaksi	Password Authentication for Paralyzed Patients using Mind wave		Application Type								10, 11, 12, PSO1 PSO2
	1KG18 EC059	Talluru Gopi Pravalika											
	1KG17 EC060	Yashas R											
B-22	1KG18 EC007	Basineni Kaveri	Brain Controlled Miniature Wheelchair Using MATLAB	Institution	Application Type	Executed				Y	Y		PO1,2,3, 4,5,6,9, 10, 11, 12, PSO1 PSO2
	1KG18 EC015	Gayathri											
	1KG18 EC030	Kuche Dhanush											
	1KG18 EC032	Maru Aswini											

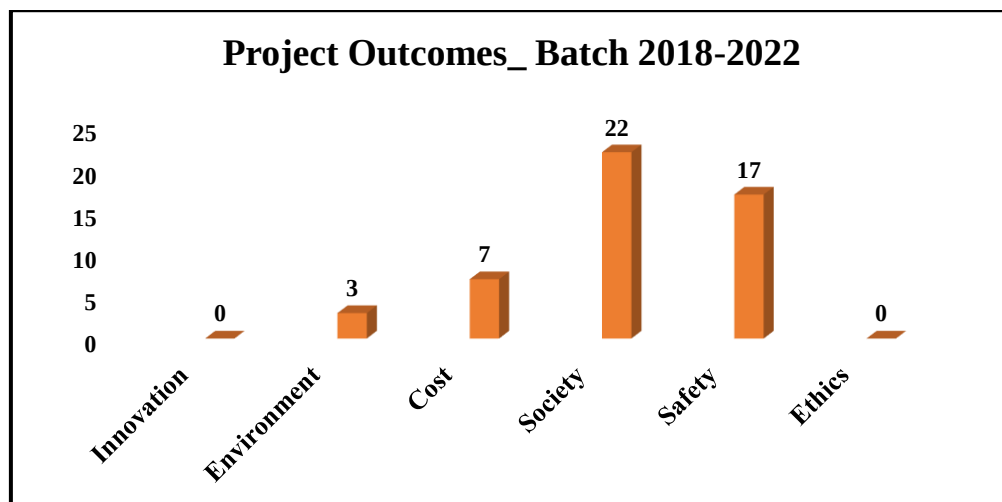


Figure 2.2.3e: Project Outcomes_ Batch 2018-2022

Table 2.2.3k: Title of the Final Year Project Batch 2018-2022 (During 7th and 8th Sem)

Batch	Project Title
B-1	Design and Development of Smart robotic arm for handling low weighted objects
B-2	Eye Tracking System for Cursor Control
B-3	Localization and Mapping of Unknown Environment using Autonomous Robot
B-4	Solar Outdoor Air Purifier with Air Quality Monitor
B-5	Home Security System using GSM
B-6	A Secure IoT based Modern Health Care system using Body sensor Network
B-7	Detection of fake accounts in Twitter using ML
B-8	Design of IoT based Multifunctional Military Robot
B-9	IoT based Food Monitoring system using Low-cost sensors
B-10	Advanced Vehicle Tracking System using GSM/GPS, with automatic locking

