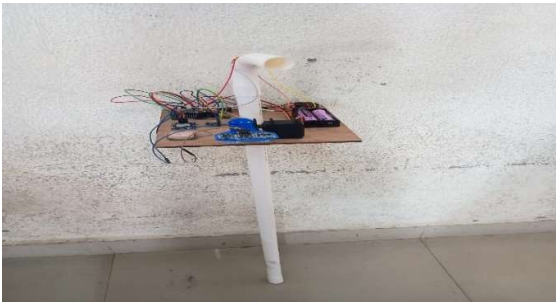# SRI VENKATESWARA COLLEGE OF ENGINEERING
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Department of Electronics and communication Engineering

BEST PROJECT MODELS 2024-2025

S. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	outcomes
1	21BF1A0404	Alle Dharani	PR Sidda Reddy	Smart Blind Stick for Enhance Mobility and Safety		Enables safe navigation and alerts for obstacles in real time.
	21BF1A0412	Arcot Nithya Sree				
	21BF1A0454	Kadhati Yaswanth Sai Reddy				
	22BF5A0402	Bathala Poornasree				
	22BF5A0401	Antharasi Somasekhar				
2	21BF1A0424	Bandaru Venkata Sravya	Dr. T.Kaliraja	Smart Aqua Control System for Pure Water Prawn Farming		Maintains water quality, boosts prawn health, and reduces manual monitoring.
	21BF1A0410	Anipireddy Vanitha				
	22BF5A0403	Bodhanapati Mounika				
	21BF1A0451	Giraka Deepthi				
	21BF1A0463	Veeraballi Ganesh Reddy				

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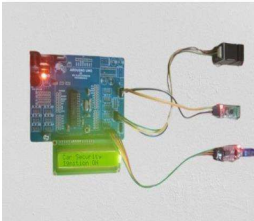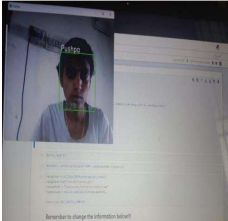### Department of Electronics and communication Engineering

S. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
3	21BF1A0415	Baddila Nikith Roy	Mr.K.R.Surendra	Aerial Support System: A Drone for Emergency		Provides quick aid delivery, disaster assessment, and real-time emergency response.
	21BF1A0414	Ayetha Subramanyam				
	21BF1A0431	Bonala Sireesha				
	21BF1A0444	Chinnagurava Pallavi				
	21BF1A0457	Kathula Akshaya Kirani				
4	21BF1A0430	Bolla Dhikshitha	Mr. A. Krishna Mohan	Digital Score Board for Cricket		Displays live match scores automatically, reducing manual effort and errors.
	21BF1A0411	Araveti Jyothi				
	21BF1A0437	Bukke Dinesh Naik				
	21BF1A0428	Boda Sireesha				
	21BF1A0405	Alluru Kaleswar				

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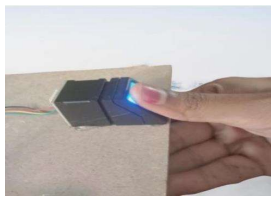## Department of Electronics and communication Engineering

S.N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
5	21BF1A0408	Andalamala Pushpalatha	Mr. K. Manjunath	Tri Model (Face, Finger Print, Voice) Car Security System		Enhances vehicle security using multi-factor biometric authentication.
	21BF1A0442	Chilamakuru Mahitha Reddy				
	21BF1A0429	Bodugu Jyothsna				
	21BF1A0425	Bandarupalli Gopi				
	22BF5A0407	Sreeramineni Yuktha Chowdhary				
6	21BF1A0420	Balam Subbamma	Mr. V. Nagendra Kumar	Smart Dairy Plant Optimization: IoT Driven Energy Efficiency, Hygiene Monitoring and Waste Management System		Improves energy use, ensures hygiene, and reduces waste through real-time IoT monitoring.
	21BF1A0402	A Sowmya				
	21BF1A0461	Panner Selvam Rahul Kumar				
	21BF1A0416	Badugu Hemanth Kumar Yadav				
	21BF1A0465	Yampalla Sandeep				

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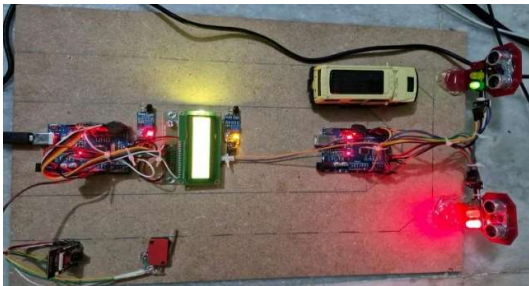**Department of Electronics and communication Engineering**

S.N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
7	21BF1A0468	Harika Erri Sai	Dr. D Srinivasulu Reddy	Accident Prevention and Speed Detection System for Blind Spots with Real-Time Emergency Alerts		Prevents collisions by detecting speed in blind spots and sending emergency alerts.
	21BF1A0469	B. Siva Kumar				
	21BF1A0470	Chintalacheruvu Sai Krishna Prasad				
	21BF1A0474	Devara Gireesh				
	21BF1A0466	A Teja Prakash				
8	21BF1A0476	Disamcharla Vishnu Hari Priya	Dr. Lokesh Krishna	College Intelligent Robot		Assists with campus tasks like navigation, info sharing, and surveillance through autonomous operation.
	21BF1A0475	Dhanireddy Sivani				
	21BF1A0471	Dara Pradeep				
	21BF1A0479	Eruvaram Neeraj Kumar				
	21BF1A0467	B Dhanush				

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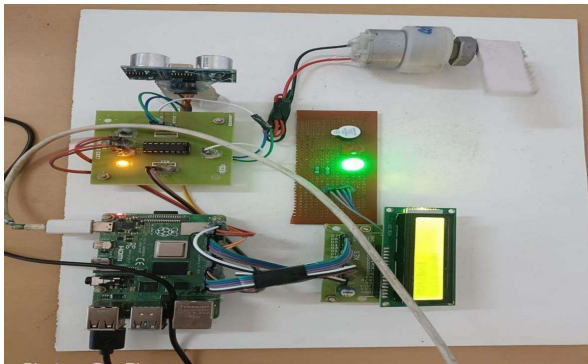### Department of Electronics and communication Engineering

S.N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
9	21BF1A0482	Gangaraju Keerthana	Dr V. Madhurima	Harvesting Electricity from Green House Using Plants and Microbes		Generates eco-friendly electricity using microbial fuel cells for powering low-energy farm devices.
	21BF1A0478	Elligari Praveena				
	21BF1A0472	Degachichu Koti Balaji				
	21BF1A0485	Gopireddy Lakshmi Manasa Veena Reddy				
	22BF5A0410	Kollapuri Vijay				
10	21BF1A0483	Gangula Venkata Susmitha	Dr.G. Chandraiah	ML Based Soil Analysis for Crop Suggestion and Fertilizer Recommendation		Suggests best crops and fertilizers based on soil data using machine learning for improved yield.
	21BF1A0486	Gosi Bhavana				
	21BF1A0477	Dorala Ravi Divya				
	21BF1A0491	Gurram Kuladeep				
	21BF1A04A0	Kalikapuram Ganesh Reddy				

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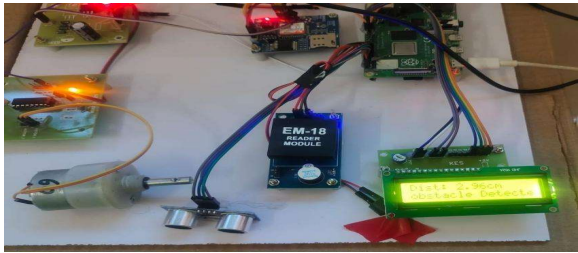### Department of Electronics and communication Engineering

. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
11	21BF1A0488	Guduru Siva Kumar	Mr. P Srinivasulu	Artificial Solar Tree		Provides efficient solar power in limited space, ideal for urban and smart city energy solutions
	21BF1A04A5	Kasina Yuva Kiran				
	21BF1A0481	Gali Naga Prasad				
	21BF1A0494	K Mukesh				
	21BF1A04C6	R Chakridhar				
12	21BF1A0492	Jadapalli Madhu	Mrs. C. Rajani	Smart Access Control System for High Security Buildings Using VNPR Technologies		Enhances building security by allowing only authorized vehicles using automatic number plate detection.
	21BF1A04A6	Kavarakuntla Uma Maheshwari				
	21BF1A0495	Kaggola Reddy Balaji				
	21BF1A0496	Kagithala Sathish Kumar Reddy				
	22BF5A0408	Gattupalli Venkata Sai Charan				

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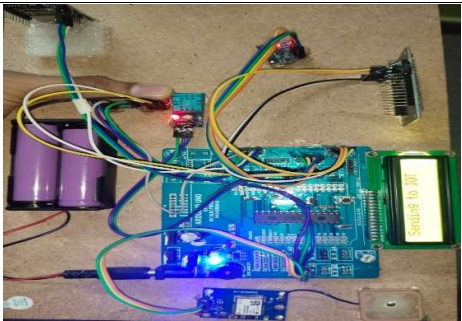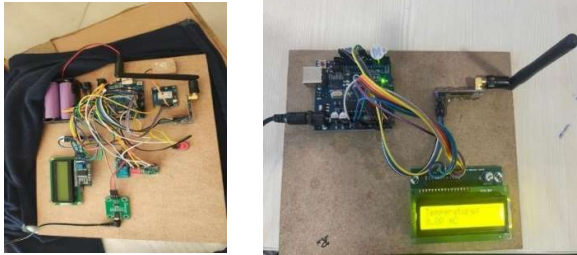### Department of Electronics and communication Engineering

S. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
13	21BF1A04A1	Kanala Naga Swathi	Mr. T.R. Revanth Kumar	Voice Activating in Car Assistance with Natural Language Processing		Enables hands-free control of car features, improving safety and user convenience.
	21BF1A04A8	Kollamgunta Dhanusha				
	21BF1A04A3	Karnati Divya Ganga				
	21BF1A04A2	Kantepalli Saran				
	21BF1A0490	G Leela Krishna				
14	21BF1A04B2	Koneti Harshitha	Mr. Mahesh	AI Based Intelligent Railway Collision Prevention and Warning System		Prevents train collisions by detecting threats early and issuing real-time warnings to railway authorities.
	21BF1A04A9	Kollu Thrishika				
	21BF1A04B5	Kosinipalli Thulasitha				
	21BF1A04A4	Dharani Kumar				
	22BF5A0411	Konareddygari Divakar Reddy				

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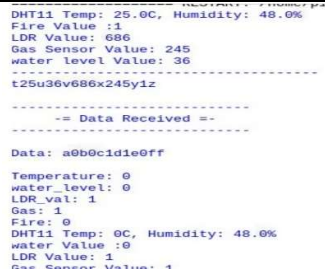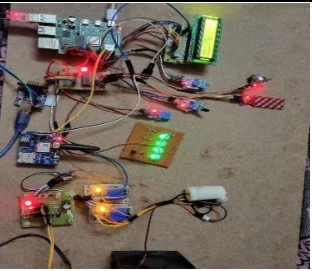### Department of Electronics and communication Engineering

S.N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
15	21BF1A04B3	Korra Ashmitha	Ms. D. Srilatha	Automatic Threat Detection and Alerting System for Women		Detects danger and sends instant alerts to emergency contacts for enhanced personal safety.
	21BF1A04B4	Korra Dinesh				
	21BF1A04B7	Kudumula Bhavani				
	21BF1A04B1	Konduru Vijayendra Varma				
	22BF5A0412	Kothakotla Gowthami				
16	21BF1A04C4	Nallapareddigari Ganesh Reddy	Dr. T. Chandra Sekhar Rao	Smart Jacket for Health Monitoring Using NRF Technology	 Reciever Module Base Station Module	. Monitors vital signs and transmits data wirelessly for real-time health tracking and emergency response.
	21BF1A04C7	Shaik Muneer				
	21BF1A0473	Derangula Sai Kumar				
	21BF1A04C5	Neelam Thanmayi				
	21BF1A04C9	Yallala Thiru Venkata Rami Reddy				

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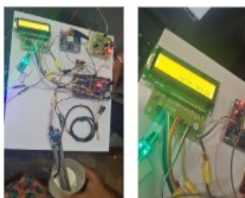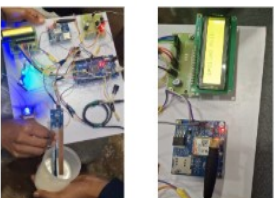## Department of Electronics and communication Engineering
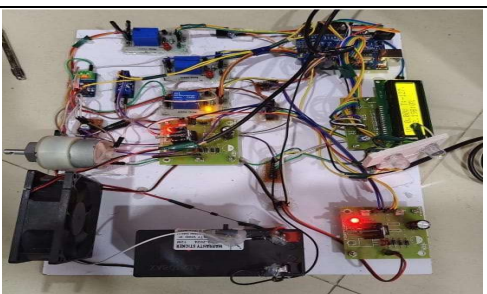
S. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
17	22BF5A0420	Matteddula Gayathri	T. Murali Krishna	Aqua guard Real Time Aquatic Plant Monitoring System		Monitors water quality and plant growth in real time, ensuring a healthy aquatic farming environment.
	21BF1A04H3	Palagiri Sindhuja				
	21BF1A04H4	Paleti Poojitha				
	21BF1A04I6	Pyda Yaswant Krishna				
	21BF1A04G8	P M Sasidhar				
18	21BF1A04H2	Pala Naga Chaitanya Kumar Reddy	Dr. B. Shoban Babu	Smart Poultry Form Management System		Automates feeding, environment control, and health monitoring for improved poultry productivity
	21BF1A04H6	Paravastu Asha Sree				
	22BF5A0419	Markapuram Sravani				
	21BF1A04G9	P S Prapoorna				
	21BF1A04H9	Peddanagolla Giri Babu				

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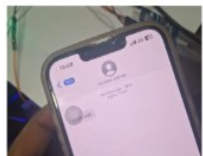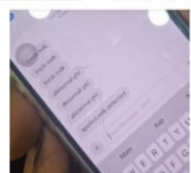**Department of Electronics and communication Engineering**

. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
19	21BF1A04H2	Pala Naga Chaitanya Kumar Reddy	Mrs. M. Poornima	Real Time Milk Quality Detection System Using Machine Learning		Instantly analyses milk quality to ensure safety, freshness, and proper grading.
	21BF1A04H6	Paravastu Asha Sree				
	22BF5A0419	Markapuram Sravani				
	21BF1A04G9	P S Prapoorna				
	21BF1A04H9	Peddanagolla Giri Babu				
20	21BF1A04J0	T Teja	Mr. N. Gunasekhar Reddy	Electrical Vehicle Battery and Fire Protection Management System		Monitors battery health and prevents fire risks through real-time alerts and thermal management.
	21BF1A04G2	Nandyala Sree Varsha				
	22BF5A0418	Konga Poojitha				
	21BF1A04E0	Maddirala Veda Prakash				
	21BF1A04J1	Thirumanam Hema Chaitanya				

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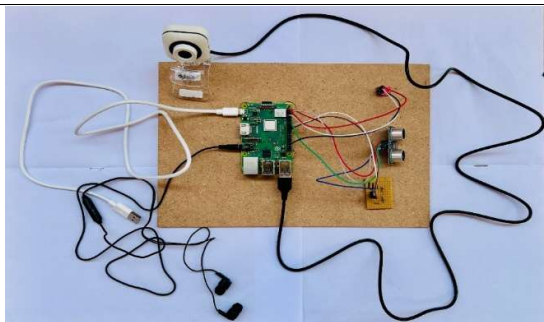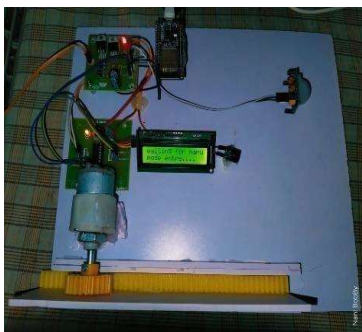## Department of Electronics and communication Engineering

S. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
21	22BF5A0424	Arava Lavanya	Dr. K Raveendra	Virtual Eye Object Detection		Identifies objects in real time, aiding the visually impaired or enhancing security and automation.
	21BF1A04J7	Thammisetty Nihitha				
	21BF1A04L2	Puchakatla Prakash				
	21BF1A04L1	Poola Charan Teja				
	21BF1A04K9	Devara Khad Thanoj				
22	21BF1A04L5	Grande Charankumar	Mr. S V S Jayasyam	Access System for Residential Areas With Face Recognition And Messaging Alerts	Image Accessed by telegram bot	Provides secure, contactless entry and sends alerts for unknown visitors to ensure residential safety.
	21BF1A04M1	Salemula Shaheendra Babu				
	21BF1A04M4	Sevi Reddy Jyothsna Reddy				
	21BF1A04K6	Narjala Puneeth				
	21BF1A04K4	Mediboyina Vishnu Kumar				

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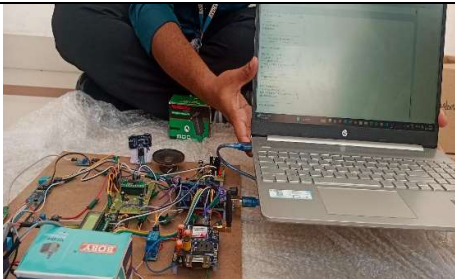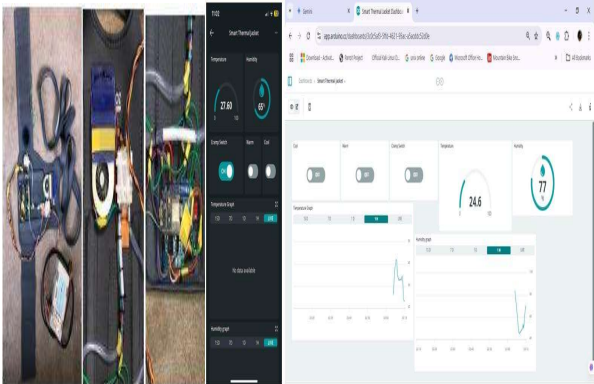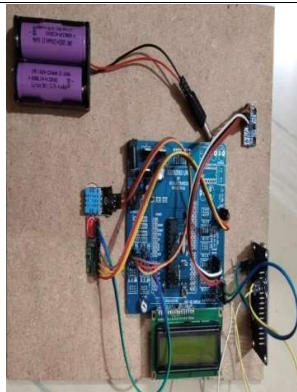## Department of Electronics and communication Engineering

S.N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
23	21BF1A04P2	Vepareddy Chandrasekhar	Mr. E.Ananth Shankar	Smart Irrigation System for Sustainable Forming		Automates watering based on soil moisture and weather, conserving water and boosting crop productivity.
	21BF1A04M8	Sirivela Guruvikas				
	21BF1A04M7	Shaik Yasmeen				
	21BF1A04M6	Shaik Khadar Vali				
	21BF1A04O0	Thummuru Hemanth				
24	21BF1A04J5	B Tharun	Mr. G. Naveen Kumar	A Smart Posture Vest with Integrated Tens, Peltier and IoT for Dysmenorrhea Relief, Muscle Cramp Management and Personalized Thermo Regulation		Provides targeted pain relief, thermal comfort, and remote monitoring for women's health and posture support.
	21BF1A04M3	Sesham Venky				
	21BF1A04N5	Thiruvaipati Hemanth Kumar				
	21BF1A04K3	Kanduri Seshadri Vidyasagar				
	21BF1A04N3	Tanguturu Lokesh Babu				

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S. N	Roll Number	Name of the Student	Name of the Guide	Name of the title	Prototype Model	Applications
25	21BF1A04J8	Penchalaneni Saranya	T.Mohan	Fall Detection with IoT Technology for Elderly Care		Detects falls in real time and sends instant alerts to caregivers, ensuring quick response and safety.
	21BF1A04L0	Polu Anitha				
	21BF1A04M5	Shaik Abdul Azeed				
	21BF1A04K5	Munigolla Harish Babu				
	21BF1A04L9	Sakthivelu Gopi Chand				

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