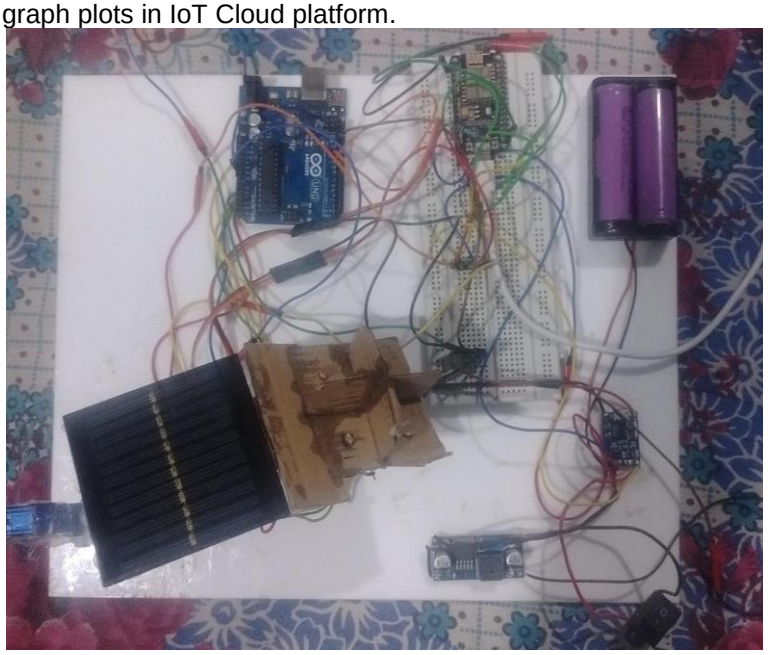
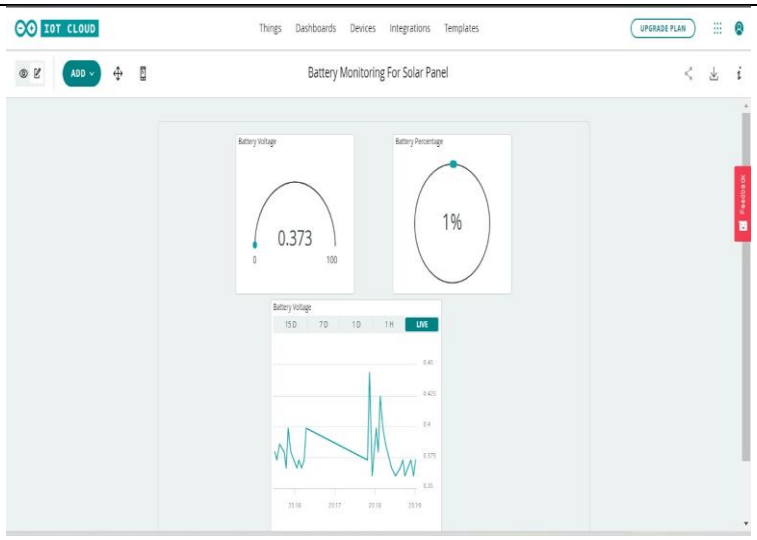
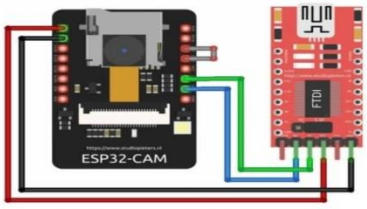
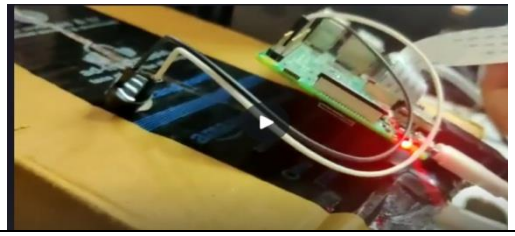
VASAVI COLLEGE OF ENGINEERING (Autonomous)

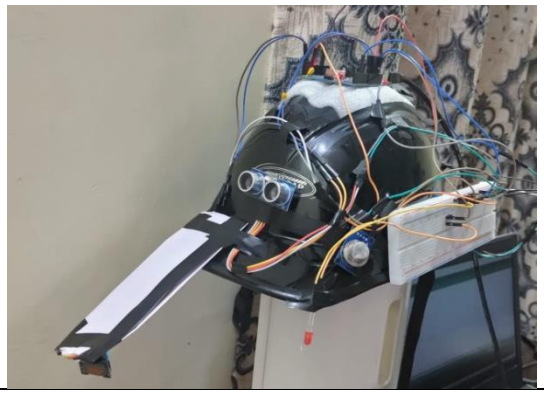
IBRAHIMBAGH, HYDERABAD – 500 031

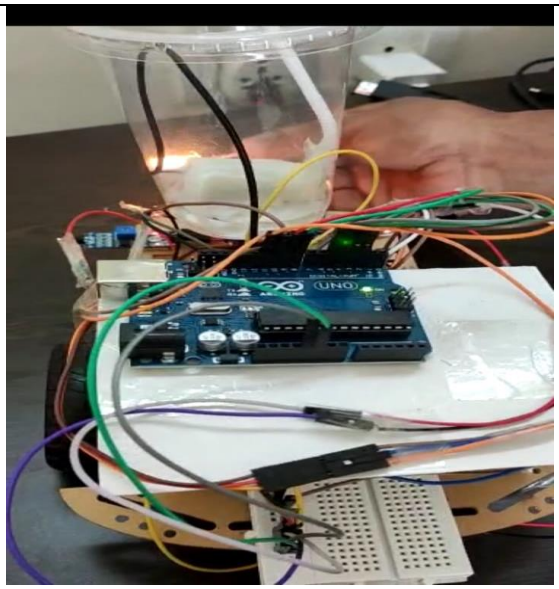
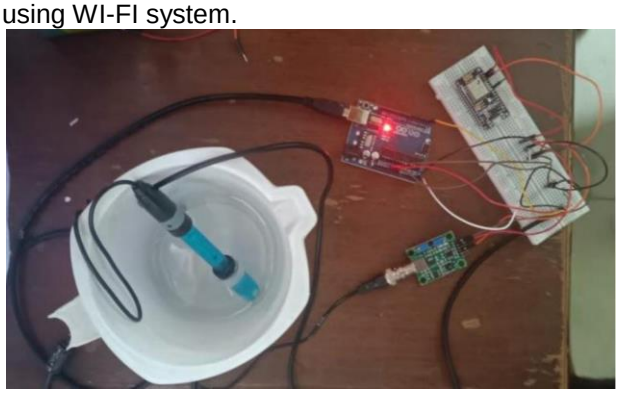
Department of Computer Science & Engineering

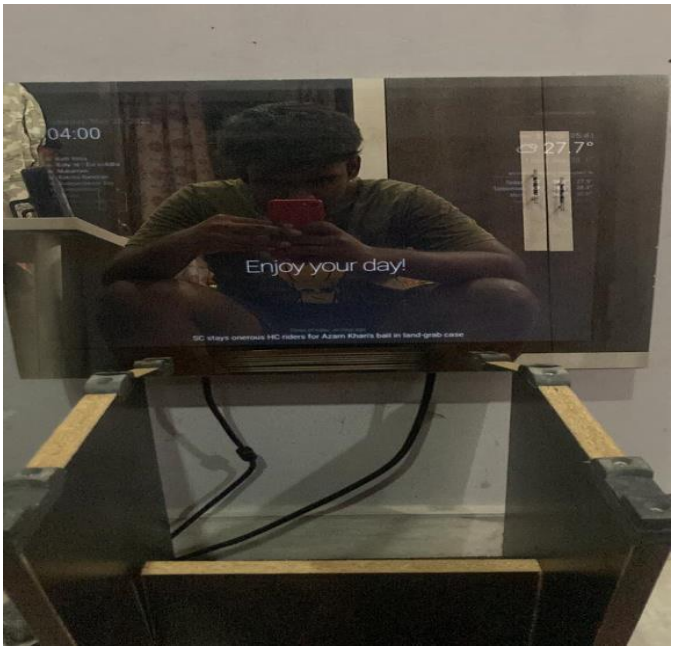
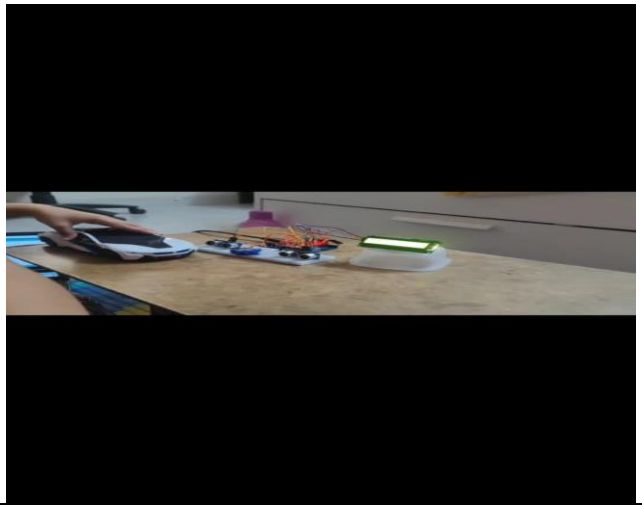
List of Working Models

S.No.	Hall ticket number	Students Name	Problem Statement	Description of the idea
2021-2022				
1	Faculty	B.Syamala	Automatic Rotating Solar Panel Based on Sunlight With Battery Monitoring	This invention pertains to the Internet of Things (IoT). This invention helps in achieving maximum solar energy which in turn can generate electricity without letting out harmful gas emissions such as sulphur dioxide, carbon dioxide into the atmosphere. This innovation likewise utilizes IoT Cloud to view total energy results of the sun powered chargers so that, observing and support work will be proficient. We all know the energy extracted from photovoltaic (PV) cell or any solar collector depends on solar irradiance. For maximum extraction of energy from the sun, the solar panel should always be normal to the incident radiation. In this will move the solar collectors to follow the sun path and keeps the orientation of the solar collector at an optimal tilt angle. This is achieved by using four Light Dependent Resistor (LDR) sensors and rotation done by the servo motor. Pertaining to software portion, we can automatically track the results of solar tracking by viewing the graph plots in IoT Cloud platform. 
	1602-19-733-049	V Sree Siva Naga Surya Prakash		
	1602-19-733-061	Y Vishnu Vardhan		

				
2	Faculty	B.Syamala	Smart Glasses	People with visual impairment face various problems in their daily life as the modern assistive devices often do not meet the consumer requirements in terms of price and level of assistance. Our primary objective is to transform the lifestyle of a largely neglected section of the visually impaired population of the world. Smart Glasses is a smart device that can capture images within a range of 1.5m which are then processed. An object detection algorithm is run that accurately labels the objects in the frame and an alert is sent to the user using a text-to-speech module. This project has a tremendous scope of impacting millions of people across the globe. Our aim with this project is to develop a device that can help make a world that is safer and more accessible to everyone, to make the world, a bigger, better place. 
	1602-19-733-028	Imran Mirza		
	1602-19-733-030	Monishka Das		
3	Faculty	B.Syamala	Dog-E martest Surveillance	An intelligent security solution that leverages motion detection, when the sensor detects any activity captures the face and sends SMS to the owner along with storing the captured image on ipfs which is a decentralised blockchain. 
	1602-19-733-043	Sameeha Mubeen		
	1602-19-733-044	Sharat Chandra MS		

4	Faculty	S.Vinay Kumar	Smart Safety Helmet	Mining activity has always been dangerous and has caused loss of many lives . As mines are places where normal human access is not easy in case of an emergency , this helmet helps in solving the issue by alerting the user of the dangers beforehand so that the miner can prevent the happening of an accident. It uses various sensors which can be useful in saving the miner from any dangers. The sensors provide accurate information and help the miners get an understanding of their surroundings.All the information of continuous monitoring of the equipment is displayed on a display screen which is right in front of the helmet and is visible to the miners eyes with ease and comfort. The equipment helps in timely detection of hazardous situations. https://youtu.be/a3dKfWntOCQ 
	1602-19-733-091	SADIA FIRDOUS		
5	Faculty	S.Vinay Kumar	Automated fire extinguisher	Detection of fire at an early stage can avoid loss. Normally fire causes huge damage because of absence of human beings to detect fire. If fire is detected and extinguished at an early stage, one can avoid loss of life and property. Robotics has gained popularity due to the advancement of many technologies. Properly equipped robot will detect fire. Once fire is detected equipped robot can be instructed to extinguish fire. The robot is mounted with sensors and fire extinguisher. The light and smoke sensor will detect fire and extinguisher will extinguish fire and the ultrasonic sensor detects any obstacles between the robot and the fire. https://youtu.be/1N-Ysqkcnc0
	1602-19-733-095	G SAIPRIYA		
	1602-19-733-076	D KEERTHANA		
	1602-19-733-118	SVN RAMAKANTH		
	1602-19-733-082	NIKHIL RACHHA		

				
6	Faculty	P.Narasaiah	Remote Monitoring of Water Supply	Water pollution is one of the biggest fears for the green globalization. To ensure the safe supply of the drinking water the quality needs to be monitor in real time. In this paper we present a designand development of a low-cost system for real time monitoring of the water quality in IOT (internet of things). The system consist of several sensors is used to measuring physical and chemical parameters of the water. The parameters such as temperature and PH of the water can be measured. The measured values from the sensors can be processed by the core controller. The Arduino model can be used as a core controller. Finally, the sensor data can be viewed on internet using WI-FI system. 
	1602-19-733-179	Vineeth Reddy Donthi		
7	Faculty	P.Narasaiah	Smart mirror	This project has been developed with the idea of making home smart to save time . The Internet transformed our lives by connecting us more easily to information and other people in the virtual world. The state of innovation currently is to provide more information with less interaction to get it. The device that has been researched and designed is called Smart Mirror. It is a wall mounted mirror which displays relevant items to the user such as weather, time,date,temperature, humidity and news and other fields of interest.[4]IoT emerged the idea of remotely monitoring objects through the Internet . When it comes to our home, security is crucial issue to the general public. For enhancing the security of home this framework is used by owner of the house. Assume you are not at home anda thief enters your home then this framework will give a caution through alert message. When thief enters the home, PIR sensor will detect the movement and
	1602-19-733-168	Gowtam K		

				gives the owner alert message. Wireless Home security and Home automation are the dual aspects of this project. The currently built prototype of the system sends alerts to the ownerover message using the Internet if any sort of human movement is sensed near the mirror. 
8	Faculty	P.Narasaiah	smart parking lot	Smart car parking project aims at providing a confusion free and easy parking. This project helps the drivers of the cars to park their vehicles with minimum wastage of time with accurate information of the availability of the space to park. It includes an Arduino Uno as the microcontroller unit to which the servo motors, LCD display ultrasonic sensors (HC-05) are interfaced. The LCD displays the availability of the space, the ultrasonic sensors keep the check of the number of cars entering and exiting the parking space. The ultrasonic sensors detect the availability of the parking space. The system handles entirely the allotment of parking slots by knowing the Occupied and vacant slots. 
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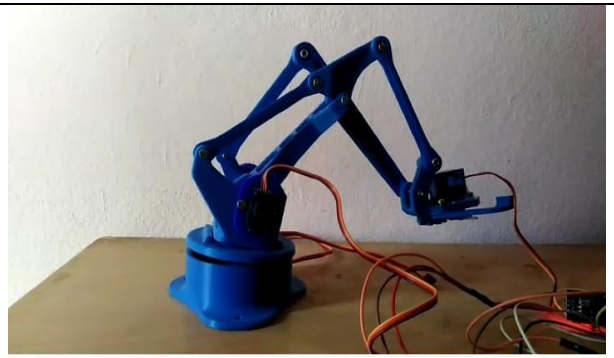
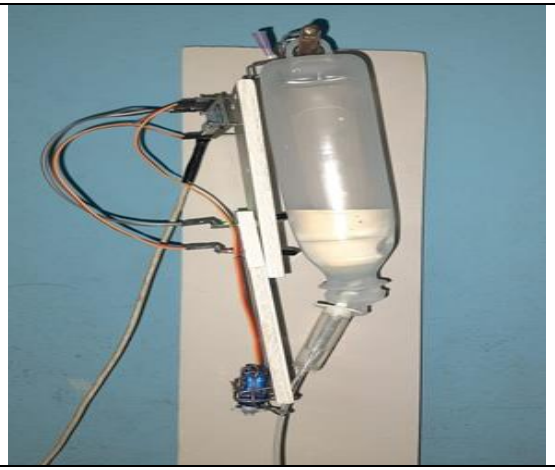
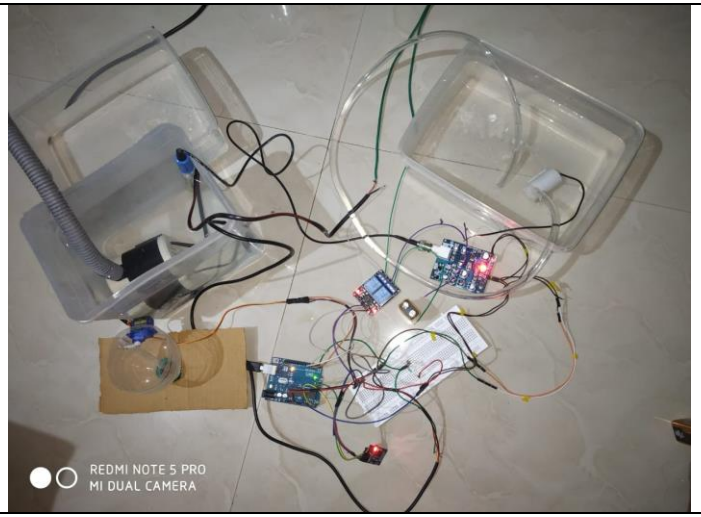
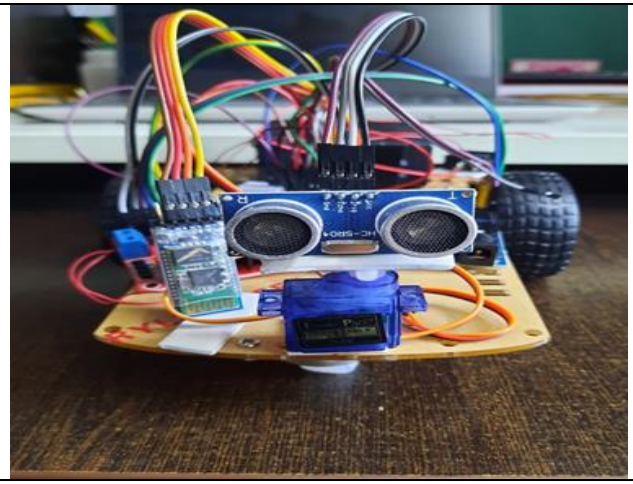
List of Working Models/ Innovative Projects

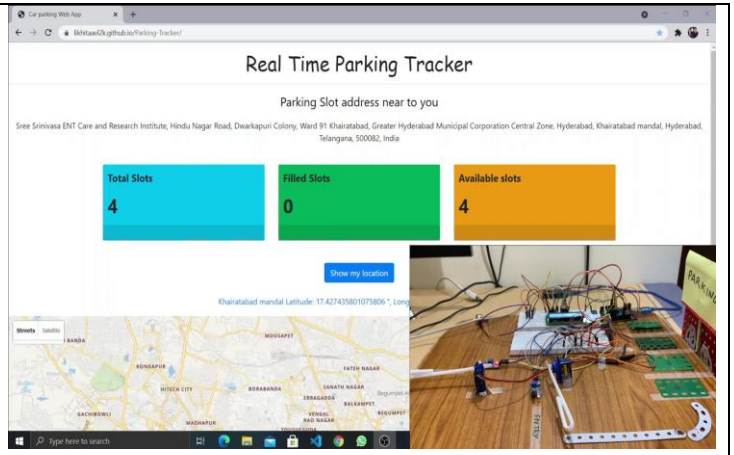
S. No.	Roll Number	Faculty/ Student Name	Academic year	Problem Statement	Description
1	Faculty	M. Sashi Kumar	2020-2021	Automated Covid Testing	One of the most efficient tests for COVID detection is the RT-PCR test. Overcoming the drawback of that test which involves doctor's contact with a patient, a mechanical arm is introduced and is programmed in such a way that it ensures no human-to-human contact while a person is being tested for the same. This arm is designed to work as a replica of a human hand that works by inserting a special swab into the testee's nose for taking the sample. The end-to-end working of this project includes booking slots for getting tested, getting tested while ensuring no human to human contact and notifying results personally and publicly. https://youtu.be/2q6-0ltrSsg
	1602-18-733-001	R Abhinav Reddy			
	1602-18-733-013	P Bhashitha Reddy			

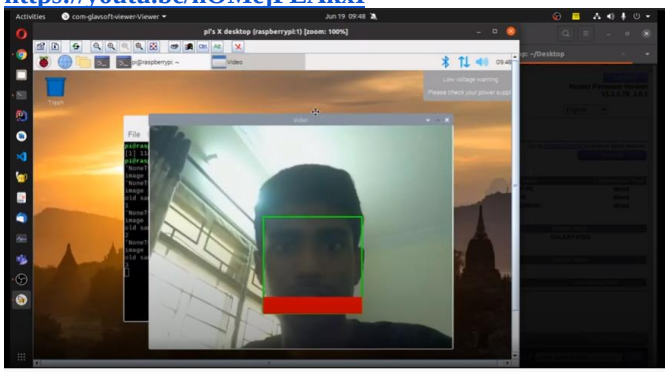
					
2	Faculty 1602-18-733-022	T.Saikanth T. Hemanth Reddy	2020-2021	Smart Saline Monitoring system	Smart Saline Monitoring System is developed to monitor saline level, alert nurses through notifications and automatically close the valve whenever the saline bottle is empty. The proposed system comprises IR sensors that will monitor the fluid level in the bottle. Whenever the saline level reaches a pre-defined critical level, an alert message will be sent to the nurse's or caretaker's mobile phone through the mobile application developed. In situations of no immediate response, the motor mechanism stops the reverse flow of blood by closing the valve. This system can be efficiently used at hospitals, healthcare centers as well as homes. https://youtu.be/9OdHcmB-NkY

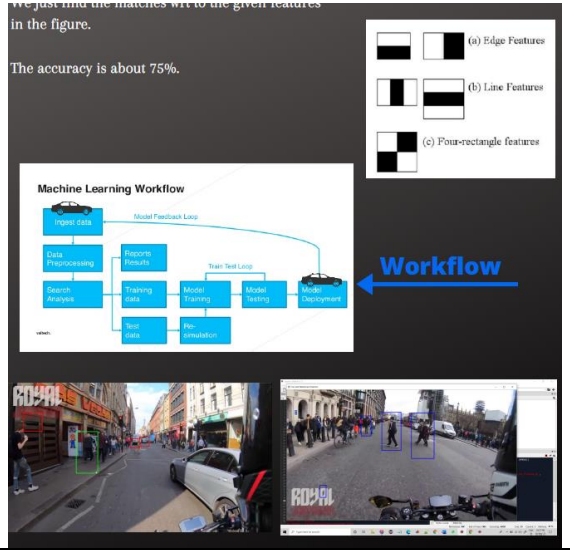
	1602-18-733-061	T. Vyshnavi Lahari			
3	Faculty	Dr.Nagaratna P Hegde	2020-2021	Smart Aquaculture	The Internet of things has evolved in various aspects of our lives, almost every existing software in today's world uses Iot. Our project IoT based aquaculture is made for artificial farming of fishes. The project is about automatic feeding of fish without the intervention of humans manually and making a better environment for the survival of the fish. When the temperature and Ph of the water is not in the desired range then water from the aquarium is removed and freshwater are pumped. It increases fish production, improves water quality, improves the profit of aqua farmers and also reduces manpower. https://www.youtube.com/watch?v=I5tsiZoT5z8
	1602-18-733-017	S. Divya			

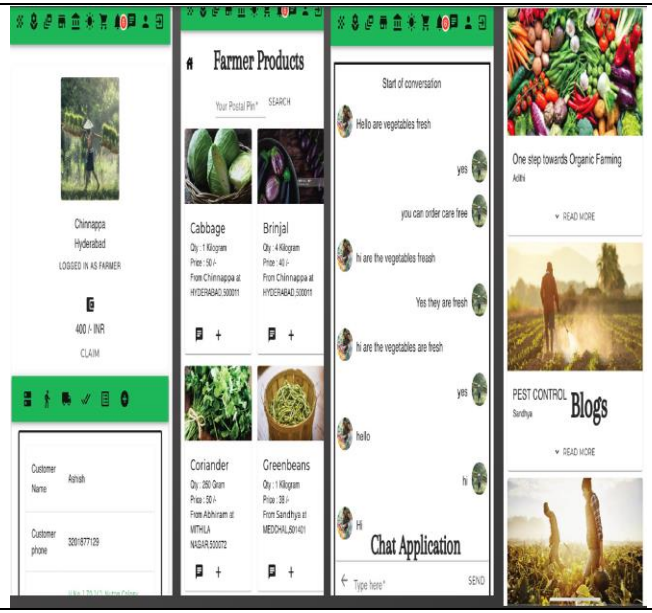
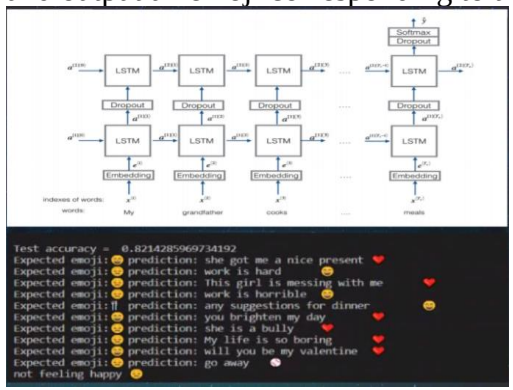
	1602-18-733-034	K. Ramya Sri			
4	Faculty	S.Vinay Kumar	2020-2021	Obstacle Avoiding Bluetooth Robot Car	The Internet of things has evolved into various aspects of our lives including smart transport. We see an automatic gear system which is proposed already in cars and it makes lives easy. Now, our project is about operating a robot car in two modes. Firstly, the manual mode using the Bluetooth module of the car connected to the mobile phone. Secondly, automatic mode using ultrasonic distance sensor and servo motor where it detects an obstacle on the way and takes a turn in order to avoid the obstacle without manual intervention. **https://youtu.be/7JrRGaksHM4**
	1602-18-733-053	M Sri Vaishnavi			

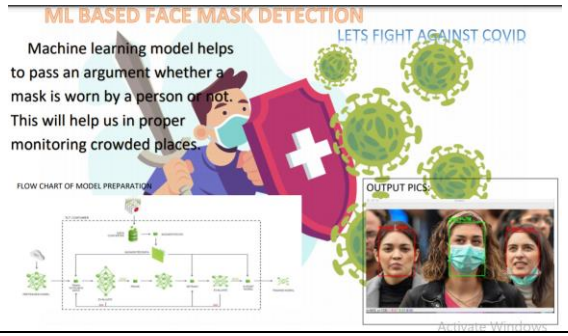
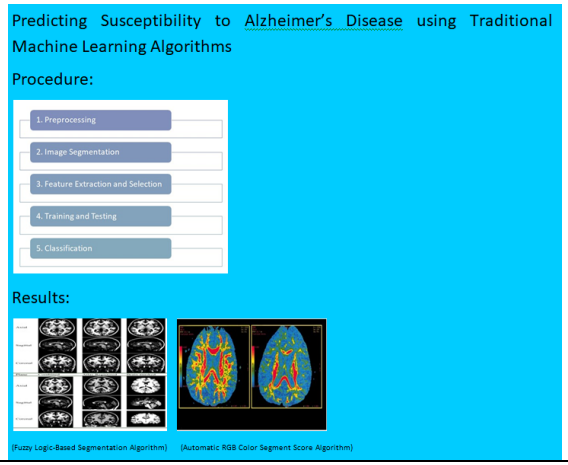
	1602-18-733-305	M Malathi			
5	Faculty	R. Sateesh Kumar	2020-2021	Real Time Parking Tracker	Real-time parking tracker aims at creating a system that helps people with vehicles to find parking easily at selected areas. Both software and hardware platforms have been developed in this system. System uses GPS in smart phones by which users are notified in real-time regarding the parking areas which are nearer to them. It also detects if a vehicle has arrived at the parking entry for automated gate opening and updates data using firebase RTDB so that users can check the availability of parking slots of the area nearer to them in the web application. **https://youtu.be/41Qu86_tevU**
	1602-18-733-058	A.V.L. Likhita			

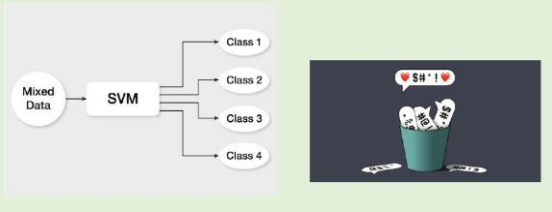
	1602-18-733-024	K. Karthik			
6	Faculty	M. Sunitha Reddy	2020-2021	IoT based Pill Bottle	Nowadays, the Internet of Things is deeply involved in human lives. Particularly, when IoT is applied to medical service, it can greatly benefit people. This is especially true for people who cannot take care of themselves and need constant care, such as the elderly. As a service to be used among those, we propose a system that detects the pill intake. Our project helps in self-monitoring and also helps us in monitoring people we care about. It shows the number of pills taken and number of pills left before refilling. **https://youtu.be/mWElvk5jovE**
	1602-18-733-019	K. Ghanasree			

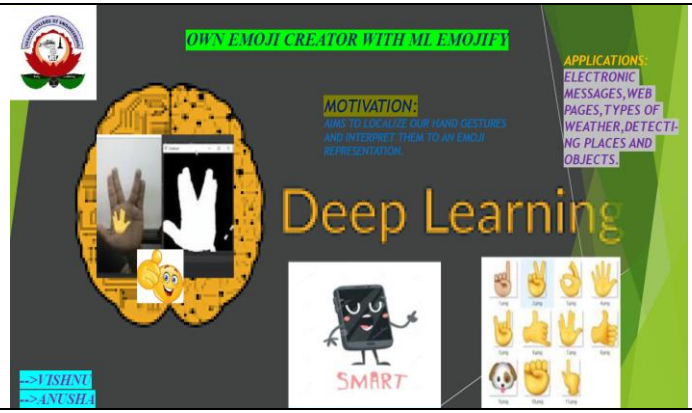
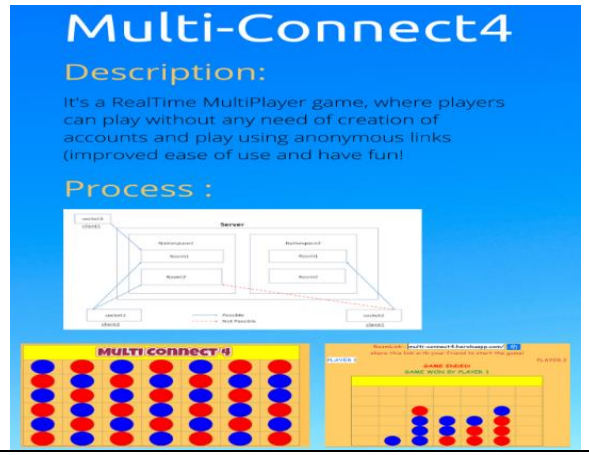
	1602-18-733-021	P. Harshita			
7	Faculty	C.Gireesh	2020-2021	Driver Drowsiness Alert System	Many accidents happen on roads due to drowsiness while driving. Our project detects driver drowsiness and alerts the driver with a buzzer. It detects faces using machine learning algorithms and also detects eye movements. It could be improved by adding other components to detect the drowsiness and act upon it. https://youtu.be/nOMejFLAkxI 
	1602-18-733-010	P Benny Joseph			
	1602-18-733-004	N Aditya			

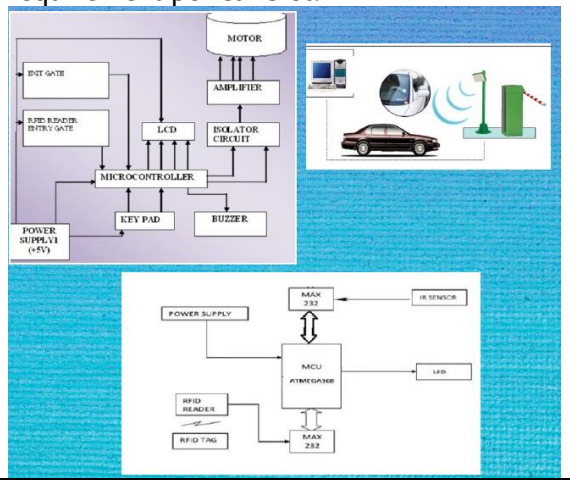
8	Faculty	C.Gireesh	2019-2020	Object Detection For Autonomous Cars	Detecting the objects, cars, humans on the road. It will be useful for self-driving cars to accelerate the speed based on the detections 
	1602-18-733-031	Prashashta.K			
9	Faculty	B. Syamala	2019-2020	Harvesting Frenzy	A website made using reactjs, Material-ui as frontend and nodejs, firebase as backend. This is an e-commerce website where a farmer can sell his products directly with the customers without the interaction of middlemen. Embedded a pre trained ML model, used weather api, blogs and feeds, chat application, razorpay api.
	1602-18-733-031	Prashashta.K			

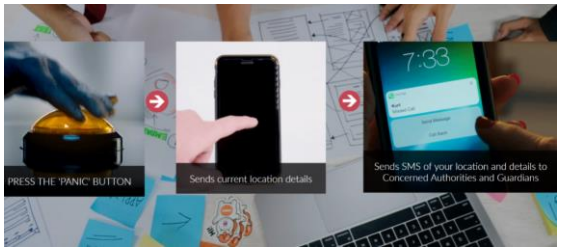
					
10	Faculty 1602-18-733-011	Dr. Nagaratna Bhanu Prasad.C	2019-2020	Emojify The Text	This model is used to classify the emotion of the text and output an emoji corresponding to that emotion 

11	Faculty 1602-18-733-080	Dr. V. Sireesha Karthik.J	2019-2020	Face Mask Detection	Detecting whether face mask is worn or not and it will also show how much percentage your face is covered with mask 
12	Faculty 1602-18-733-071	T. Saikanth Sharvanthi.K	2019-2020	Alzheimer's Disease Prediction	MRI segmentation images are taken as input and the algorithm will predict whether the person is suffering from Alzheimer disease or not 
13	Faculty	S. Komal Kour	2019-2020	Hate Comments Classification	Designed a model using Kaggle dataset to detect racial, sexual comments.

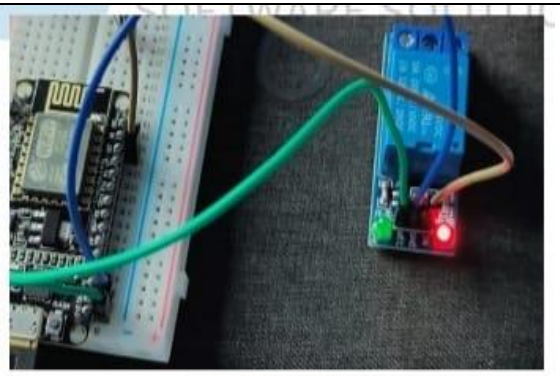
	1602-18-733-079	Jayaswini.T			
14	Faculty	Dr. T. Adilakshmi	2019-2020	Movie Recommender System	Movie recommender systems can be used to provide personalised recommendations according to user profile and previous behaviour. Collaborative filtering method will be used to predict user's movie rating and suggest/recommend the movies which would yield potentially high ratings, from the user, according to the prediction.
	1602-18-733-097	Sai Suman.C			
15	Faculty	T.Jalaja	2019-2020	Emojify : Converts Signals To Hand Emotes	Detect human gestures from images. In this deep learning project, we will classify human hand expressions to filter and map corresponding emojis.
	1602-18-733-118	Vishnu.B			

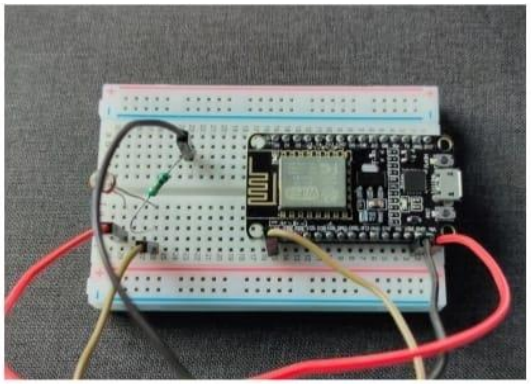
					
16	Faculty 1602-18-733-042	R.Sateesh Kumar Mathur.V	2019-2020	Multi Connect4	(multiconnect4) which is a Realtime multiplayer game where 2 online players can play the game and have fun. It's implemented using Node.js, JS, Socket.io and Firebase as DB. 
17	Faculty	P.Narasaiah	2019-2020	RFID Car Parking System	The aim of this project is to develop RFID based automatic parking system. This increases the efficiency of existing manual parking systems and reducing their operation cost by reducing personnel requirement, cost of operation, processing speeds at

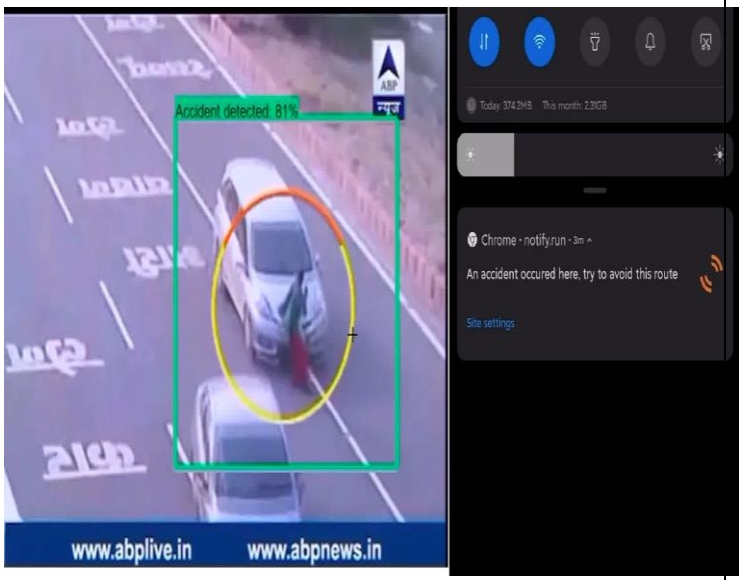
	1602-18-733-041	Hashitha.D			check. This would help in tackling the increasing demand for parking facilities by decreasing capital requirement per car slot. 
18	Faculty	T Nishitha	2019-2020	Omnit (Blog, News, Weather)	News Site: You Can Get The Latest News. For Example, By Searching Covid, U Get All The Latest News Related To It. Weather Site: You Can Get The Weather Details, By Searching For Paces Of Your Choice. Blog Site: You Can Login And Write Blogs [Text Only], Edit Them, Delete Them, Share Them (The Viewer Can Ony Read).
	1602-18-733-026	Vamsi.K			

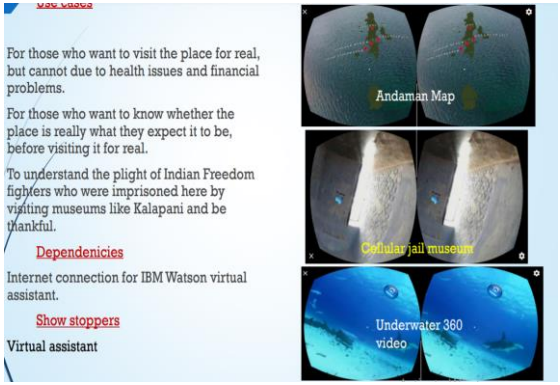
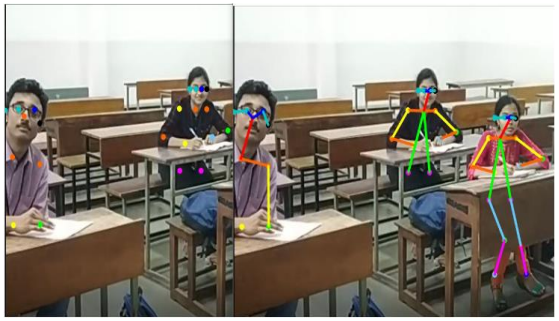
					
19	Faculty 1602-17-733-004 1602-17-733-016	M.Sunitha Reddy Gudumotu Carol Eunice Kolluri Manogna Sai	2019-2020	She-Safe: A Women Safety Application	The United Nations defines violence against women as "any act of gender-based violence that results in, or is likely to result in, physical, sexual, or mental harm or suffering to women, including threats of such acts, coercion or arbitrary deprivation of liberty, whether occurring in public or in private life." 

20	Faculty	S.Vinay Kumar	2019-2020	Controlling Home Appliances Through Mobile	Traditional light control system supports manual control while operators cannot operate them with the remote in real time, which causes great inconvenience for management and maintenance. By this technology we can control our home appliances through our mobile anywhere in the world with the help blynk application, relay module and ESP8266.

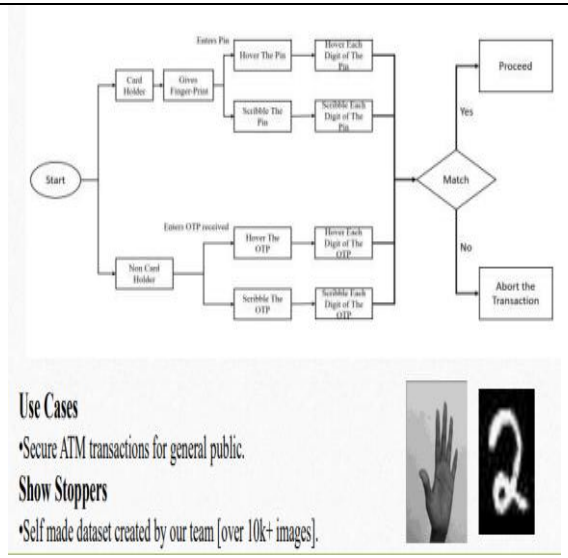
	1602-19-733-049	V. Sree Siva Surya Prakash			
21	Faculty	I.Navakanth	2019-2020	Smart Street Light Automation	Traditional street light control system supports manual control. While operators cannot monitor the working state of the street lights in real time, which causes great inconvenience to management and maintenance. By using this technology the street light gets turns on when the surrounding light intensity is low and turns off when the light intensity is high with the help of ldr sensor, ESP8266, relay module.
	1602-19-733-049	V. Sree Siva Surya Prakash			
22	Faculty	Dr. Basawaraj	2019-2020	Smart Irrigation	In previous days we need to water the plants when the

				System	soil moisture level is low and based on the humidity and temperature levels. By using this technology the pump motor gets automatically on when soil moisture is low with the help of soil moisture sensor, when temperature is high and humidity level is low with the help of temperature and humidity sensor and with the help of other components like ESP8266, relay module.
	1602-19-733-049	V. Sree Siva Surya Prakash			
23	Faculty	M Sashi Kumar	2019-2020	Light Intensity Monitoring Through Mobile	By using this technology we can know the status of the light anywhere in the world. The source code has been written in embedded c. The light intensity on the LDR sensor is medium then the brightness of the street light will be moderate. The status of the street light will be display on the Blynk app. Here we will build a mobile application and ESP8266 will get light intensity values through sensor and send values to the mobile application. 
	1602-19-733-049	V. Sree Siva Surya Prakash			

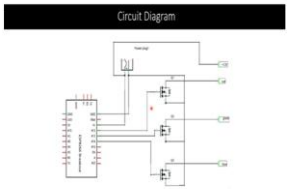
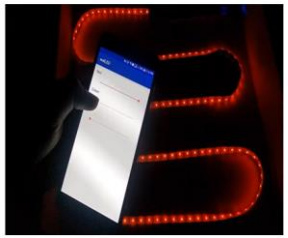
24	Faculty	S.Vinay Kumar	2019-2020	Smart Traffic Monitoring System	We have surveillance cameras on all busy routes. Since we are moving towards becoming smart cities, we can use the existing infrastructure and give them the ability to communicate about various events. We can make use of the surveillance cameras to detect accidents and let the users, police and medics know of the location, which will make the officials take actions quickly and help the people avoid traffic jams. 
	1602-17-733-091	I.Prabhakar			
	1602-17-733-091	Barath Chandra			
25	Faculty	S. Vinay Kumar, M Sashi Kumar	2019-2020	Virtual Reality For Tourism At Andaman	The main idea of this app is to bring the breathtaking beauty of Andaman and Nicobar to you in a box. To make your experience memorable, we have included a virtual assistant “Rosel” , with which you can interact as if you're interacting with a local tour guide. All you have to do is to put on your VR cardboard box with a
	1602-17-733-064	Arshiya			

	1602-17-733-065	Aparna			mobile loaded with our app and point at the place you wish to visit on the map of Andaman and Nicobar. 
	1602-17-733-070	Chandra Vamshi			
	1602-17-733-080	T Likhitha Gupta			
	1602-17-733-081	Nashra Maheen			
26	Faculty	M Sashi Kumar, S Vinay Kumar	2019-2020	Anti Cheat In Exam	The main idea of this project is to avoid cheating in online exam. Developed an integrated system which can help in preventing cheating in examination. Use CCTV recordings to automatically detect cheating in the exam hall and mark them for review. Https://youtu.be/khmbitb6v6g 
	1602-18-733-080	J Karthik Reddy			
	1602-18-733-079	T Jayaswini			
	1602-18-733-081	Ch Keerthana			
	1602-18-733-070	Anuvik			
	1602-18-733-071	Sravanthi Kaki			
	1602-18-733-099	Saketh			

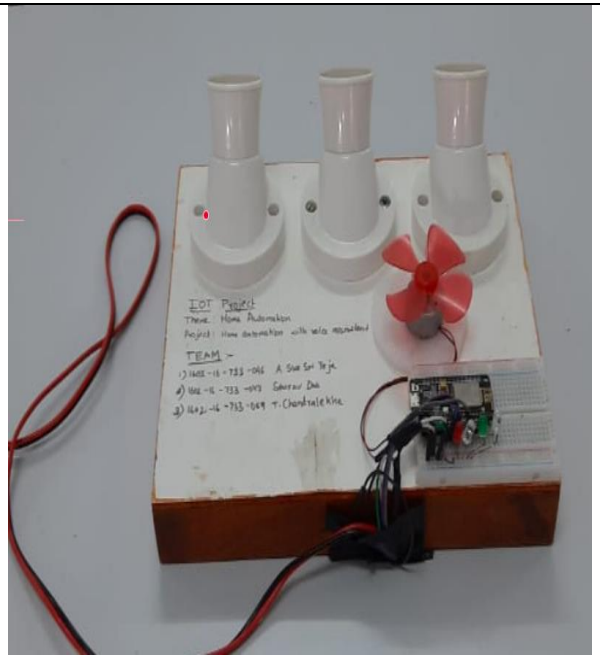
27	Faculty	S. Vinay Kumar, M Sashi Kumar	2019-2020	Alternate Authentication At ATM/POS Terminals	ATM authentication system aims to eliminate the need of the existing keypad. The system provides the user with two choices- Hovering and Swiping- to enter the pin. To maintain secrecy while hovering/swiping the pin, the ATM is provided with a little chamber in which the user can slide his/her hand into and perform the same. Irrespective of the choices mentioned, the user is also required to submit his fingerprint thereby making this approach a 2-factor authentication. In case, the account holder isn't available to perform the transaction, it can be performed by another person but an OTP will be sent to the registered phone number. Https://youtu.be/8n_1zgalzv8
	1602-17-733-068	B Bharath Chandra			
	1602-17-733-071	A. Divya Reddy			
	1602-17-733-072	Ch. Divya,			
	1602-17-733-091	Prabhakar Iyyalasomayajula			
	1602-17-733-094	G. Raviteja			

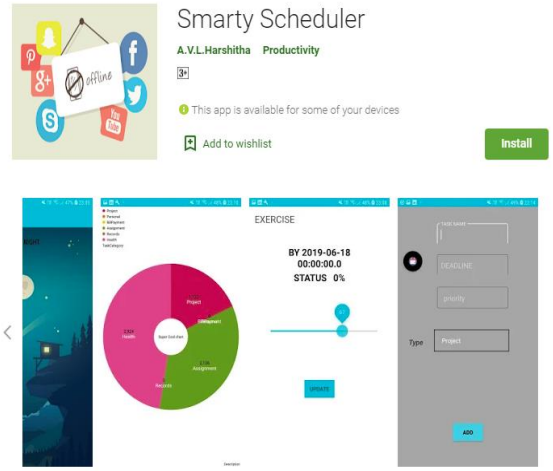
	1602-17-733-099	K. Jyothika			
28	Faculty	S. Vinay Kumar	2019-2020	Estimating Crop Yield Using ICT,	The aim of this project is to use AI techniques on the dataset to suggest a suitable pricing model. Cotton is a volatile agricultural commodity
	1602-17-733-004	G Carol Eunice,			
	1602-17-733-042	Saketh Mithra			
	1602-17-733-024	M Raj Venkat Reddy			
	1602-17-733-049	K Sreenija			
	1602-17-733-052	Srinidhi			
29	Faculty	M.Sashi Kumar	2019-2020	Interactive Plant	When we don’t water the plants the moisture levels get decreased and the plant gets dried. By this technology, the plant speaks like “pour some water” when the

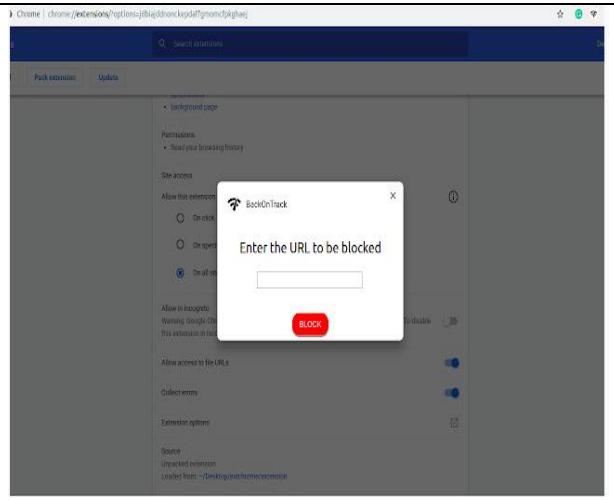
	1602-18-733-311	U.Nirupamvas			moisture level is low after watering the plant it speaks “thanks for watering me” the voice output gets through ISD 1820 module and other components like soil moisture sensor, relay module and ESP8266.
30	Faculty	T.Nishitha	2019-2020	Good Samaritan	Good Samaritan is a web Application which allows users in a locality to register themselves and help their neighbours out and get rewarded in return. This was developed to promote the spirit of Volunteerism during COVID-19
	1602-17-733-054	Thindu			
31	Faculty	R.Sateesh Kumar	2019-2020	Voice Control Based Home Automation	Traditional light control system supports manual control(only when we are present at that particular place) while operators cannot operate them remotely in real time, which causes great inconvenience to management and maintenance. By this technology we can control our home appliances through our voice anywhere in the world with the help google assistant, IFTTT,blynk application, relay module and ESP8266.
	1602-19-733-049	V. Sree Siva Surya Prakash			
32	Faculty	S Vinay Kumar, M Sashi Kumar	2018-2019	Walled	Colors are the way in which we perceive the beautiful world around us. Walled gives us a way to control the colors of the walls in our homes or other places with a smartphone. It is not only a cheaper alternative to paints, but it can also change color as we desire. Https://youtu.be/1ohbnlmeeek
	1602-16-733-001	Psr Abhishek			
	1602-16-733-002	Tsv Aditya			
	1602-16-733-005	Gujju Akash			

					  
33	Faculty	S Vinay Kumar, M. Sashi Kumar	2018-2019	Multiway Door Unlocking System	It is a system where users will be able to unlock a door using various authentication methods like face detection and biometric verification this system uses Raspberry Pi to provide full security to doors where unauthorized users will not be able to unlock them until they are verified Https://www.youtube.com/watch?V=fbp7h4guhw0
	1602-16-733-083	A Haseeb			
	1602-16-733-062	A Khaliq			
	1602-16-733-065	A Aditya Abhiram			

					
34	Faculty	S Vinay Kumar	2018-2019	Home Automation With Voice Commands	Traditional light control system supports manual control while operators cannot operate them with the remote in real time, which causes great inconvenience for management and maintenance. By this technology we can control our home appliances through our mobile any where in the world with the help blynk application, relay module and ESP8266. Https://www.youtu.be/fql44nug7cl
	1602-16-733-046	A. Siva Sri Teja			
	1602-16-733-047	Sourav Das			
	1602-16-733-059	Venkata Chandralekha. T			

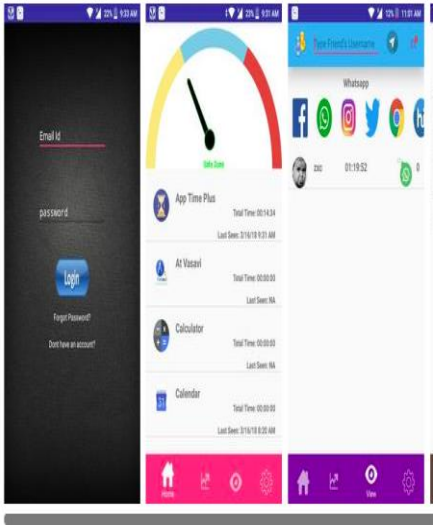
					
35	Faculty	S Vinay Kumar	2018-2019	Smart Scheduler	An Android app that focuses on dynamic scheduling using machine learning. It also tackles the issue of social media addiction by popping up the schedule, blocking addicting apps and redirecting users towards productive tasks. Https://play.google.com/store/apps/details?Id=com.vasavidevelopers.hrn.wiseapp
	1602-16-733-077	A.V.L.Harshitha			
	1602-16-733-026	Nikitha			
	1602-16-733-032	Adi Rajeshwari			

					
36	Faculty	Dr. V Sireesha, M Sashi Kumar	2018-2019	Backon Track	Backon Track is a chrome extension which controls our time usage on web. After a daily quota of time is spent on websites, they are blocked automatically. If daily quota is not used, part of it is converted into coins which can be redeemed later for more time. Https://chrome.google.com/webstore/detail/backontrack/fbihalnkmmbkdcdojiabbakjokmfbdkp
	1602-16-733-077	A.V.L.Harshitha			
	1602-16-733-026	Nikitha			
	1602-16-733-032	Adi Rajeshwari			

					 BackOnTrack Enter the URL to be blocked BLOCK

<table>
<tr><td rowspan="4">37</td><td>Faculty</td><td>S Vinay Kumar</td><td rowspan="4">2017-2018</td><td rowspan="4">App Time Plus</td><td rowspan="4">The App that tracks your complete smart phone usage and help you keep your addiction(if any) under check. App allows one to view their app usage stats month wise or week wise.

Https://apkpure.com/app_time_plus/com.wise.bottombar.sample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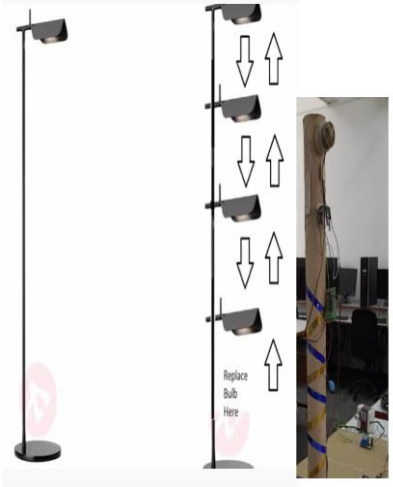
<tr><td>1602-15-733-019</td><td>Kalyani Konyala</td></tr>
<tr><td>1602-15-733-012</td><td>Divya Katkam</td></tr>
<tr><td>1602-15-733-006</td><td>Anuhya Reddy Addula</td></tr>
</table>

	1602-15-733-045	Shravya Kasturi			
38	Faculty	M Sashi Kumar	2018-2019	Automatic Street Light Movement System	Street lights were controlled manually in olden days. These days automation of street lights has emerged. However, one can observe that whenever a street light blows off, then, changing the bulb involves a lot of time and effort. This system is designed in such a way that the street light assembly is moved down the pole when needed so that the person can fix it. Https://www.youtube.com/watch?V=OR1gY5N46TA&t=1s 
	1602-15-733-051	G.V.N. Sree Lasya			
	1602-15-733-003	C. Aishwarya Reddy.			

39	Faculty	B.Syamala	2016-2017	My Farm	A smart system which enables farmers to monitor the farm, watering the crops remotely through an Android app. Also gives the farmer analytics on the moisture content in the field, humidity and temperature.
	1602-14-733-097	Vobbilisetty Sanath Kumar			
40	Faculty	Dr. Nagaratna P Hegde	2015-2016	Smart Comb	A device which keeps track of hair fall on daily basis and shows statistics of hair fall in android application. Https://www.youtube.com/watch?V=XLIC1aDq0hg&list=PL0VThOKhX9jE8rHIQGoJsMN3REbjO4Fy0&index=14
	1602-13-733-092	Ravali Gollena			
	1602-13-733-068	N. Ashwini Reddy			
41	Faculty	Dr. V.Sireesha	2015-2016	Pill Intimator	Pill intimator is device that intimates the person to take medicines on time and on regular basis. Whenever the person has to take medicine, alarm rings. As soon as the person takes the medicine notification is sent to caretaker or person with registered mobile number. This device is also used for deaf and dumb people through LED lights and Vibrators present in the device. https://www.youtube.com/watch?V=eaqkh0vyxik&list=PL0VThOKhX9jE8rHIQGoJsMN3REbjO4Fy0&index=16
	1602-13-733-076	V Keerthi			
	1602-13-733-070	Chetan Bommu			
	1602-13-735-013	Kavya Reddy			
42	Faculty	R Sateesh Kumar	2015-2016	Security Mat	Security Mat keeps track of unwanted entries to a place in our absence. This is done with the help of a mat, as soon as a person steps on a mat alarm rings and a notification is sent to the respective user to take
	1602-13-733-101	Y Sangeetha			

	1602-13-734-054	Syed Ahmeduddin			care of a message/notification will also be sent to the police and respective saved contacts through the application associated with the mat. https://www.youtube.com/watch?V=ZM_ppususg&list=PL0VThOKhX9jE8rHIQGoJsMN3REbjO4Fy0&index=10
	1602-13-734-033	D Ravi Kumar			
43	Faculty	S.Vinay Kumar	2015-2016	Smart Drip Irrigation System	Watering a particular part of a field by Mobile phone by measuring the readings given by the sensor at that location and close the respective gate valves when the moisture level reaches sufficient level. https://www.youtube.com/watch?V=agdxgb1sops&t=16s
	1602-13-733-117	Venkata Naresh			
	1602-13-733-079	Mahikanth Nag			
	1602-13-733-076	Keerthi Vidiyala			
44	Faculty	M Sashi Kumar	2015-2016	Smart Bin	It is a device that monitors the filling level of dustbin and intimates to the respective workers when it is full. It helps the workers to collect the in an optimized and smart way. It also helps in efficient use of available space in dustbin.
	1602-13-733-068	N.Ashwini			
	1602-13-733-092	Ravali			
45	Faculty	Dr. T. Adilakshmi	2015-2016	Lpg Doctor	An iot product, which addresses problems associated to the usage of LPG Gas Cylinder, it can measure the cooking gas level and accordingly send an alert to the user as well as to the gas distributor, thus placing an order. It also sends alert message on mobile phone on gas leakages, if any 3D printing is done to enclose the
	1602-13-733-035	P. Sai Chandra			

	1602-13-733-058	G.Vineel			circuit in a box https://www.youtube.com/watch?V=6ucfhmmil5i
46	Faculty	Dr. T. Adilakshmi	2014-2015	Lpg Doctor	An iot product, which addresses problems associated to the usage of LPG Gas Cylinder, it can measure the cooking gas level and accordingly send an alert to the user as well as to the gas distributor, thus placing an order. It also sends alert message on mobile phone on gas leakages, if any
	1602-12-733-059	Chintam Tarun			
	1602-12-733-011	Gouthami Mogili			
47	Faculty	T.Nishitha	2014-2015	Thumbuzz (Gesture Controller)	Gesture Controller is a product which serves as the controller for the electronic appliances which work based on the IR radiations.
	1602-12-733-051	M. Shravan Reddy			
	1602-12-733-301	G. Sai Tarun			
	1602-12-734-035	G. Rohith			
48	Faculty	C.Gireesh	2014-2015	Vehicle Monitoring System	It is a device installed in a vehicle to enable the owner or a third party to track the vehicle's location. This device is used to continuously monitor a vehicle's location, fuel level of the vehicle on the software application.
	1602-12-733-049	K. Shashank			
	1602-12-733-058	E. Sushma Swaraj			
	1602-12-735-083	B. Naveen			