PROCEEDINGS

INNOVATIVE PROJECT EXPO - 2020

VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE

TÜVRheinland CERTIFIED · NBA NATIONAL BOARD OF ACCREDITATION · FIST One of the 5 Technical Institutions in Telangana which got fund · Foreign University MOUs · cisco

(Approved by AICTE, New Delhi, Programmes Accredited by NBA and Affilliated to JNTUH)
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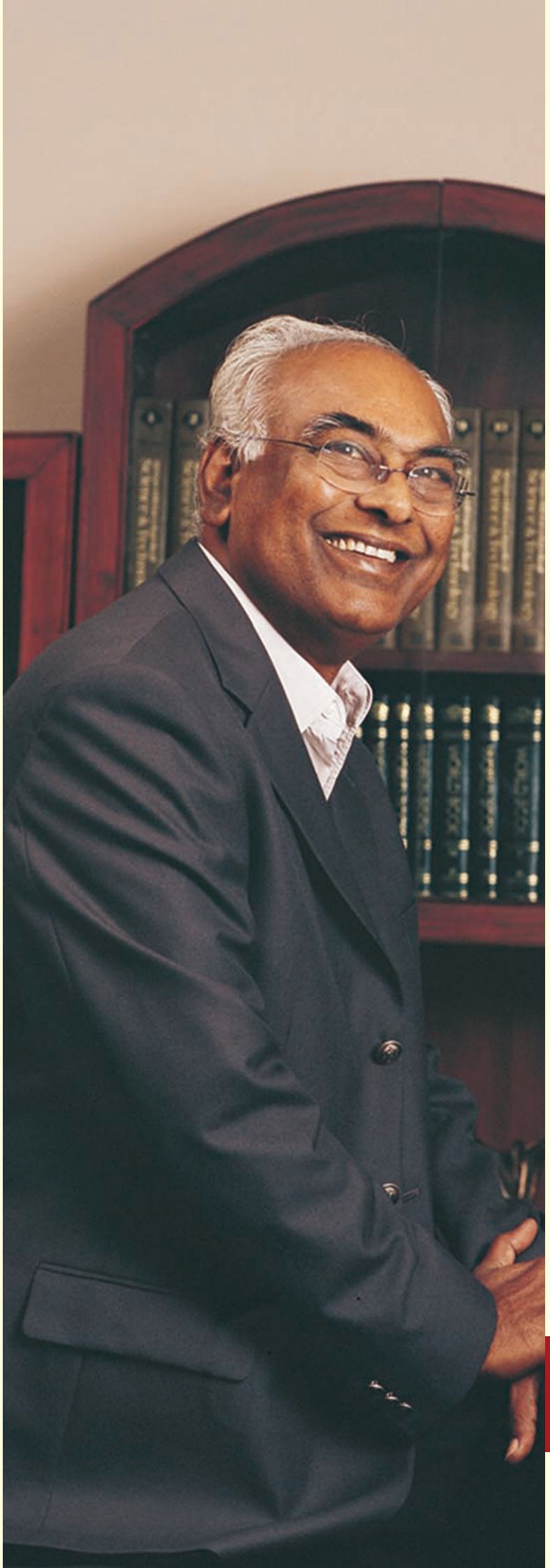

MESSAGE

I am very delighted to learn that the Vignan Institute of Technology and Science is conducting an Innovative Project Expo-2019 for ECE, EEE, EIE, CSE, ME & CE. I congratulate all the departments for organizing this event.

It is overwhelming to note that the organizers have also planned to come up with a Souvenir to mark this Innovative Project Expo. The efforts of the students, faculty and staff for going ahead with the initiative despite of the challenges posed by Covid-19 is highly appreciable.

I wish the Innovative Projects Expo-2020 to be a splendid event.

Sd./
Dr. Lavu Rathaiah

Shri. Lavu Rathaiah
Chairman
Vignan Group of Institutions

Shri. B. Shravan
CEO
Vignan Group, Hyderabad

MESSAGE

It is indeed a commendable effort by the students of ECE, EEE, EIE, CSE, ME, IT & CE Department of Vignan Institute of Technology and Science in organizing the Innovative Project Expo-2020.

This project expo will create awareness in the areas of various disciplines. This provides an opportunity to share ones experience and expertise with fellow delegates.

I wish the event a grand success.

Sd./
Mr. B. Shravan

Dr. G. Durga Sukumar
Principal

MESSAGE

It is heartening to know that the students of ECE, EEE, EIE, CSE, ME, IT & CE of Vignan Institute of Technology and Science are organizing a one day Innovative Project Expo-2020.

I congratulate all the Departments for putting intense efforts in conducting this Innovative Project Expo and bringing out Souvenir.

I wish them all the best.

Sd./
Dr. G. Durga Sukumar

ABOUT VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE

Vignan Institute of Technology and Science, is the idea of Dr. L Rathaiah, Chairman, Vignan Group of Institutions, was founded in 1999 with four branches of Engineering. Vignan Institute of Technology and Science with NBA Accreditation is an exemplary institution of higher learning with a mission of pursuing excellence in education and research. The institution, with their diverse and dynamic community of about 2500 students offers a distinctive combination of some of the finest facilities for M.Tech. with graduate, and undergraduate programs CIVIL, EEE, MECH, ECE, CSE, EIE, IT accomplished faculty, world class facilities with hostel set on a sprawling 350 acres of sylvan surroundings of valleys and watersheds, mango groves and greenery.

While students at Vignan Institute of Technology and Science immerse themselves in academics, the college has a lot in store for them outside the classroom. Student life includes participation in sports, recreational & co-curricular and cultural activities. In short, at Vignan Institute of Technology and Science, students will find an academic and social environment where everyone from faculty members to peers helps shape their future.

Vignan Institute of Technology and Science is a home to aesthetically designed buildings with state of the-art computer and internet facilities, modern laboratories, workshops, seminar halls, auditoriums and well stocked libraries, sports and games fields.

The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to Vignan Institute of Technology and Science and share their experiences with its present fellow students. With so much to offer, it is only natural that students of VITS get a unique opportunity to carve a niche for themselves in their chosen field of study that enables them to become well-rounded and discerning citizens, fully qualified for their chosen professions in the workplace.

VISION

"To evolve into a centre of excellence in Science & Technology through creative and innovative practices in teaching-learning, promoting academic achievement & research excellence to produce internationally accepted competitive and world class professionals who are psychologically strong and emotionally balanced imbued with social consciousness and ethical values."

MISSION

“To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry - institute interaction aimed at employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and nation."

Title of the Project	Green Building Model	
Student Details	18891A0107	Askani Hemanth Sagar
	18891A0116	Bellamkonda Srinivas
	18891A0124	Ganithi Vishnu Vardhan
Guide Name	Dr. Narayan Sangam	
Abstract	A 'green' building is a building that, in its design, construction or operation, reduces or eliminates negative impacts, and can create positive impacts, on our climate and natural environment. Green buildings preserve precious natural resources and improve our quality of life.	

Title of the Project	Earthquake Resistant Buildings Model	
Student Details	17891A0140	SurviPranaya
	18895A0110	Vallabothu Swetha
	17891A0145	Vasam Arun Pandyan
	18895A0120	Mekapothula Vijay Kumar
Guide Name	Dr. Narayan Sangam	
Abstract	To design an earthquake-proof building, engineers need to reinforce the structure and counteract an earthquake's forces. Since earthquakes release energy that pushes on a building from one direction, the strategy is to have the building push the opposite way	

Title of the Project	Integrated Water Resource Management Model	
Student Details	18891A0112	BiyyalaManideep
	18891A0118	Thoudoju Lokesh
	18891A0106	Arpula Pavan Kumar
Guide Name	Dr.SoundarRajan	
Abstract	IWRM is an empirical concept which was built up from the on-the-ground experience of practitioners. IWRM is a process which promotes the co-ordinated development and management of water, land and related resources.	

Title of the Project	Submerged Floating Tunnel Model	
Student Details	18891A0159	Cheganti Raja Shekhar
	18891A0126	GunupatiSricharan
	18891A0119	EdikojuManikanta
Guide Name	Dr.SoundarRajan	
Abstract	It is an updated and innovative term associated with cross-waterways and utilizing the law of buoyancy to hold the structure at a modest and handy depth. This concept was firstly coined at the beginning of the century but it was not undertaken yet. It is used when the river bed is too deep or too rocky and is a tube-like structure made up of steel and concrete.	

Title of the Project	Suspension Bridge Model	
Student Details	17891A0102	Anantula Deepa
	17891A0109	Bhukya Raja
	16891A0120	M kHajaShoebuddin
	17891A0121	Yerrajeena Keshava Babu
Guide Name	Dr.SoundarRajan	
Abstract	It is a kind of bridge that comprises of two and sometimes four parallel cables segregated by a distance which is equal to the roadway deck width. The span to use the suspension bridge is of 300-2300 m and can be raised with no towers on the ground. This bridge has an elegant appearance and indicates its functions very clearly.	

Title of the Project	Automatic flow regulation for canal- tank sluice	
Student Details	18891A0101	Junaid Ashraf

	18891A0117	Chitram Raghu
	18891A0125	Goguloth Vinay
	18891A0133	KarntothuBikshapathi
Guide Name	Mr. T. Karthik Chary	
Abstract	The sluice gates are used to control water flow in canals. Gates are raised or lowered manually and then lift in position to achieve a target flow rate for the desired time period. The automated flow regulation system works based on the flow rate in the canal.	
Title of the Project	Ferrocemeent Roofing Precast model	
Student Details	19895A0101	Bhookya Aravind
	19895A0103	RapellyVarshit
	19895A0108	BrahmadevaraPushpitha Gayathri
	17891A0104	Ashwala Dinesh
Guide Name	Mr. T. Karthik Chary	
Abstract	Ferrocement is one of the most suitable construction materials for roofing systems is Precast or cast in situ form. It offers high strength, resistance against ingress/seepage of water, high crack resistance and can offer solution with reduced weight & cost.	
Title of the Project	Studyoncoconutshellsas roofing material for low cost house	
Student Details	17891A0126	Mukkera Arun Kumar
	17891A0144	V Pavan Kalyan Reddy
	18895A0111	VeeramallaDivya
Guide Name	Mr. T. Karthik Chary	
Abstract	Concrete hollow blocks with *coconut shells* and fibers of the same proportionsis worth *studying* because the quarrying of aggregates from source of alternative *materials* for the purpose of building *affordable housing* units for the *roofing* sheets at a much-reduced production cost	
Title of the Project	Porous Concrete Model for Roads	
Student Details	18891A0103	Vanam Shiva Kumar
	18891A0134	KonthamSatwik
	18891A0111	BhanuriAashrith Bharadwaj
	18891A0108	Athar Khan
Guide Name	Mr. B. Mahesh	
Abstract	An Innovative approach in providing solution to the urban road infrastructure during rainy season where traffic and congestion are at its peaks.	
Title of the Project	Transport Model in Hilly areas.	
Student Details	19895A0102	Korra Aditya
	19895A0104	Neelam Divyanjali
	19895A0105	Kalyankar Srilatha
	17891A0131	P Sai Chandu
Guide Name	Mr. B. Mahesh	
Abstract	This project projects the need to shift our daily commute to a more eco friendly and sustainable way. The rope way is a very big tourist attraction in hilly areas and also a good source of economy generation.	

Title of the Project	Road Safety Model	
Student Details	17891A0108	Bheema Prem Sai
	17891A0130	PalnatiPrathyusha
	17891A0119	Kunchala Anil
	18895A0104	Gurthula Rakesh
Guide Name	Mr. B. Mahesh	
Abstract	This project aims to provide solutions to road accidents during winter seasons above tropic of cancer where fog and mist cover the view making it difficult for commuters to drive as per design speed. The sensors kept embedded under the road shall provide the necessary light to the driver to assume caution	

Title of the Project	Development of remote monitoring system for civil engineering	
Student Details	17891A0106	BanothuNagaraju
	17891A0135	Ravula Sai Yeshwanth Reddy
	17891A0117	KonidenaYashasvi Sai
Guide Name	Ms. B. Lavanya	
Abstract	Development of Remote Monitoring System For Civil Engineering on-line estimation, Remote Monitoring, and information filing is displayed. The framework comprises of an arrangement of optical, full-field uprooting sensors associated with a controlling server.	

Title of the Project	Advance Technology in Surveying	
Student Details	17891A0134	RanduTarun Sai
	17891A0147	Yasa Sandeep Reddy
	17891A0143	Udugu Manisha
Guide Name	Ms. B. Lavanya	
Abstract	Surveying is an essential science for the fields of design and construction. Boundary surveys apprise people regarding the geographical location and limits of their property, and title surveys are an important part of the real estate business. Land topography maps are required for the preparation of detailed engineering designs. The plotting of river foundations is necessary for dredging. Delineation of corridors through survey techniques precedes the construction of roads, tunnels, airports, and pipelines.	

Title of the Project	Investigation on nylo fibre reinforced roofing units	
Student Details	18891A0121	Yedla Vamshi Sai
	18891A0150	T. Vijay Kumar
	18891A0148	P. Indu Reddy
	18891A0155	M. Narendra
Guide Name	Mr. Kastro Kiran	
Abstract	*Fibre-reinforced* concrete has micro- and nano-fibres, which ensure the ... concrete is density; therefore, almost all studies aims to *investigate* the effect of Nylon fibre is one of the most common, manufactured and used in everyday life.	

Title of the Project	Rammed earth wall	
Student Details	17891A0105	B Sindhu
	17891A0127	Narala Bhavya Chandra Ramaiah Chowdary
	18895A0106	Doddi Deepika
	18895A0107	Arukonda Ajay
Guide Name	Mr. Kastro Kiran	
Abstract	Making rammed earth involves compacting a damp mixture of subsoilthat has suitable proportions of sand, gravel, clay, and stabilizer, if any, into a formwork (an externally supported frame or mold).	

Title of the Project	Low cost roofing tiles	
Student Details	18891A0102	A. Rahul
	18891A0122	Eslavath Rajesh
	18891A0130	K Varshith
	18891A0137	Manchala Sai Prasad
Guide Name	Mr.T. Karthik Chary	
Abstract	A new technology used for roofing using low-cost smart roofing materials. By replacing the River sand in roofing, the manufacturing cost is reduced.	

Title of the Project	Self cleaning road model	
Student Details	18891A0113	Bongu Raghavender Goud
	18891A0128	JuvvadiSreehitha
	18891A0136	MadalaUmasri
Guide Name	Mrs.H.M. Vijaya	
Abstract	South Korea took a new step, from the cleanliness of the cleaner. This road is beingspecially made from this side that they have not to be cleaned, they are already usingsuch technology, so that these roads can be cleaned. In fact, while making these roads, water pipes have been fitted in them so that theseroads can be cleaned without any problems. The water used in the cleaning of theseroads is the remaining water of factories and mills, which can not be used in any type ofexperiment.	

Title of the Project	Analyzing how the Pyramids were built AND model preparation	
Student Details	17891A0114	Govind Tharun Kumar
	18895A0105	Kalakonda Nikhil
	18895A0122	PeerzadaOwais Mushtaq
	18895A0117	Pallerla Niharika
Guide Name	Mrs.H.M. Vijaya	
Abstract	Pyramid is a monumental structure with either a square or triangular base whosesloping sides meet in a point at the top. The most famous are the Egyptian pyramids,most of which were built of stone and used as a royal tomb.	

Title of the Project	Model on economic housing	
Student Details	18891A0147	Pillalamarry Prashanth Narayana
	18891A0151	Vadapally Sai Kumar
Guide Name	Mr. J. Naresh	
Abstract	This project demonstrates the as-built flagship programme of Telangana Govt of providing 2BHK houses to the poorest of the poor , but with the required modifications which can further be made to the parent design to further reduce the cost without affecting its quality	

Title of the Project	Study on stablized quarry dust blocks

Student Details	17891A0111	ChennaSaikumar
	17891A0133	Regonda Siddhartha
	18895A0114	Jajula Kiran Kumar
Guide Name	Mr. J. Naresh	
Abstract	Different stabilizing materials namely cement, lime, fly-ash, gypsum, quarry dust, saw dust and rice husk were used in the present *study.*	

Title of the Project	Soil stabilazation Report	
Student Details	18895A0103	Vanam Shiva Kumar
	18895A0112	Dinesh bandari
	18891A0117	C. Raghu
Guide Name	Mr. J. Naresh	
Abstract	Lime. Slaked lime is most often used in the stabilization of subgrades and road bases, particularly in soil that is clay-like or highly plastic. Cement.Bitumen. ChemicalCompounds.Geotextiles. Mixing Materials.Grouting. Electrical Stabilization.	

Title of the Project	Green building system for sustainable environment	
Student Details	18891A0104	A. Jayanthi
	18891A0120	E. Rasaswini
	18891A0131	K. Haribabu
	18891A0140	Md. Touseef
Guide Name	Mr. M. Jayaram	
Abstract	In the green building development, our part as structural specialists is huge and multifaceted. It expects us to incorporate manageability objectives into each progression of outline, from site design and materials choice to stormwater administration and disintegration control	

Title of the Project	E-Waste Management Model	
Student Details	18891A0129	K. Sreekarti
	18891A0145	P. S. Niveditha
	18891A0141	M. Kalyan
Guide Name	Mr. M. Jayaram	
Abstract	"E-wastes are considered dangerous, as certain components of some electronic products contain materials that are hazardous, depending on their condition and density. The hazardous content of these materials pose a threat to human health and environment. Discarded computers, televisions. VCRs. stereos, copiers, fax machines, electric lamps, cell phones, audio equipment and batteries if improperly disposed can leach lead and other substances into soil and groundwater	

Title of the Project	Drinking water quality standards analysis report	
Student Details	17891A0112	Chidagani Sai Harshitha
	17891A0122	Mekala Nitish Reddy
	18895A0113	KosanamNeelima
	17891A0136	SaitejaTelukuntla
Guide Name	Mr. M. Jairam	
Abstract	Physical, Chemical and Biological Characteristics of representative drinking water samples are collected for investigations and a detailed report is analysed for giving solutions to maintain standards.	

Title of the Project	Desilting of tanks	
Student Details	18891A0149	R. Ashwitha
	18891A0138	V. Bhavani
	18891A0135	K. Yashwanth
	18891A0123	G. Saikumar
Guide Name	Dr. Narayan Sangam	
Abstract	Desilting tank is an important component, which protects the mechanical equipment specially turbine from the silt carried by the water conductor system. Desilting tanks are used in water treatment plants and hydropower channels to remove objectionable sediment of a specified size and quantity. Design of desilting tank requires evaluation of sediment removal efficiency over the range of sediment particle sizes. In the design of desilting tank, various combinations of width, depth, and length of the tank are possible to achieve desired silt removal efficiency.	

Title of the Project	Applications of different surveying techniques for solving real world problems. A Case Study	
Student Details	18895A0121	Farhad Rafiq Wani
	17891A0120	Mallepu Venkata Nagendra Babu
	17891A0142	ThirmandasJithender Kumar
	18895A0118	Thoudoju Lokesh
Guide Name	Mr. Kastro Kiran	
Abstract	Surveyors work with elements of geometry, trigonometry, regressionanalysis, physics, engineering, metrology, programming languages and the law. They use equipment, such as total stations, robotic total stations, theodolites, GNSS receivers, retroreflectors, 3Dscanners, radios, inclinometer, handheld tablets, optical and digital levels, subsurface locators, drones, GIS, and surveying software..	

Title of the Project	A laboratory investigation of using waste rubber in bitumen concrete.	
Student Details	17891A0141	T. Apuroopa Sai Lakshmi
	18895A0101	K. Poojitha Goud
	18895A0119	Sambharaju Sai Yeshwanth
Guide Name	Ms.G. Varshini	
Abstract	In this project feasibility of the waste rubber as a blending material in bitumen, which is used for road construction. The Waste tire rubber appears to possess the potential to be partially added in bitumen, providing a recycling opportunity. If Waste or used tire rubber can be added in bitumen for improving the properties, and disposing off the tires, thus the environmental gains can be achieved.	

Title of the Project	Low-cost grain storage structure	
Student Details	18891A0142	N. Kalyan
	18891A0144	P. Manideep
Guide Name	Mrs.H.M. Vijaya	
Abstract	Storage – to maintain the quality of grain after harvest,for maintaining the supply of grain. Taking advantage of higher prices Two methods of grain storage are noticed. Bag storage and Loose in bulk storage	

Title of the Project	Novel material for water treatment	
Student Details	19895A0106	N. Nishitha
	19895A0107	G, Sri Harshitha
	19895A0109	Abdul Sameer
Guide Name	Ms. Varshini	
Abstract	Chitosan is used as a coagulant to remove turbidity and compared with other commonly used coagulant, alum (Aluminum sulphate). In present work, we also focused on ability of chitosan in reducingl removing other quality parameters such as hardness, chloride, sulphate and nitrate.	

Title of the Project	Groundwater potential and problems: a case study	
Student Details	17891A0137	Sama Sowmya
	18895A0108	Avuladoddi Gayatri
	17891A0107	Bedarakotarahul
	18895A0115	Gandula Naresh
Guide Name	Dr. Narayan Sangam	
Abstract	The thematic layers of land cover, drainage density, lineament density, soil, geology, slope, and geomorphology are prepared and used for groundwater potential map development by assigning weights to each thematic layer and features. The weights of each thematic layer are assigned and normalized based on their characteristic and relationship with groundwater recharge. Finally, the thematic maps are integrated by a weighted sum overlay analysis tool to develop groundwater prospect zones.	

Title of the Project: Cell Phone Radiation Detector System

Student Details :

18891A0201	A. Ambika
18891A0203	A. Sai Manish
18891A0204	A. Srilatha

Guide Name : G.Madhuri

Abstract :

Radiation from mobile communication system is an important factor because of widespread use of mobile phones all over the world. There has been new and increased usage of detection devices for measurement of degree of radiation on human and nature. Due to recent development, there has been renewed realization of the technologies for next-generation radiation detection. The present study evaluates the performance of wire sensor-based circuit to detect electromagnetic radiation in a mobile communication system. Measurement on Specific Absorption Rate as a function of talking time on different region of adult human head is performed. In our research work, effect of distance on radiation near mobile unit and base station is observed. The present work will be beneficial to understand the effect of mobile phone radiation on human communicate

Title of the Project: Advanced Wireless Power Transfer System

Student Details :

18891A0205	A. Sravan Reddy
18891A0206	B.V. Sai Pranay Reddy
18891A0207	Banala Anil Reddy

Guide Name : G. Madhuri

Abstract :

The project is a device to transfer power wirelessly instead of using conventional copper cables and current carrying wires. The concept of wireless power transfer was introduced by Nikolas Tesla. This power is made to be transferred within a small range only for example charging rechargeable batteries etc. For demonstration purposes we have used a fan instead of battery that operates by using wireless power. This requires an electronic circuit for conversion of AC 230V 50Hz to AC 12V, high frequency and this is then fed to a primary coil of an air core transformer. The secondary coil of the transformer develops 12V high frequency. Therefore, by this way the power gets transferred through primary coil to secondary coil that are separated by certain distance around 3cm. Here the primary coil acts as transmitter and secondary coil receives the power to run a load. This project can be used to charge batteries of a pace maker and similar applications

Title of the Project: Touch Less Door Bell

Student Details :

18891A0208	Bejjanki Omkar
18891A0209	Bodishe Bhanu Chander
18891A0210	Bongu Siddeshwar

Guide Name : G. Madhuri

Abstract :

This circuit operates using a pair of ultrasonic transmitter and receiver modules which are used to detect the person and then if the person is detected, the doorbell is automatically turned ON when the person is in-front of the door.

The ultrasonic transmitter operates at a frequency of about 40 Kilo-Hertz. That means it continuously transmits the ultrasonic waves of about 40KHz. The power supply should be moderate such that the range of the transmitter is only about one or two meters.

If the transmitting power is less than one meter, then there is a chance that the person who is one meter away is not detected. Also, if the range is set to be very large, then it may lead to false triggering, meaning that, the objects far away from our door are considered as the visitors and the alarm rings. This can be a nuisance for us if the alarm rings for every object or person far away. So, to avoid both the problems, the transmitting power is kept to an optimum level.

Title of the Project: Solar Car

Student Details :

18891A0211	C. Venkata Anirudh
18891A0213	Dadi Nikhitha
18891A0215	Gajji Pratheesha

Guide Name : D. Anil Kumar

Abstract :

Like solar-powered homes, solar cars harness energy from the sun by converting it into electricity. This electricity fuels the battery that runs the car's motor. Instead of using a battery, some solar cars direct the power straight to an electric motor.

on a bright, sunny day, the sun's rays give off approximately 1,000 watts of energy per square meter of the planet's surface. If we could collect all of that energy, we could easily power our homes and offices for free

Title of the Project: Mini Inverter

Student Details :

18891A0217	Gorige Srikanth
18891A0218	Gudala Pallavi
18891A0219	Gundoju Vaishnavi

Guide Name : D. Anil Kumar

Abstract :

Inverters are widely used in the domestic as well as industrial environments to serve as second line of source in case of power cut form the electricity utility grids. Inverter is the device that powers the electric appliances in the event of the power failure. Inverter as the name implies first converts AC to DC for charging the battery and then inverts DC to AC for powering the electric gadgets.

So here is the power efficient inverter which is small in size and which can give output voltage of 220v-230 /150w. this power efficient mini-inverter can be used to power up devices such as Wifi routers, mobile chargers, Lights etc

Title of the Project: Tesla Coil

Student Details :

18891A0220	Gurram Krishna
18891A0221	Joru Uday Kumar
18891A0222	K. Adarsh

Guide Name : G. Srinivas

Abstract :

The tesla coil is an air coiled transformer which gives high frequency current and voltage output. Many alterations were done to the original design to increase the efficiency and usage of the device. This project deals with one such alteration, which is replacing the AC supply with a DC supply and study the output of the device. With the change in the supply the circuit components were changed as well. A DC supply is given to a solid-state miniature tesla coil with a slayer exciter.

Title of the Project: Rain Indicating Alarm

Student Details :

18891A0223	K. Sarayu
18891A0224	K. Sowmya
18891A0225	Kanchi Hruthika

Guide Name : G. Srinivas

Abstract :

Rain Alarm is a device which is used to give the information is the rain is occurring as it gives sound when rain falls between the two aluminium rods. As the rain drop comes between the two rods the circuit gets completed and a sound is produced from the speaker indicating the falling of rain. It can be used in factories, open god owns where the goods need to be protected from rain. It can also be used as a water level indicator by fixing the two rods at desired level when water will reach that level it will automatically produce sound.

Title of the Project: Darkness Indicator

Student Details :

18891A0226	T. Sai Kumar Reddy
18891A0227	Y. Shiva Rama Krishna

	18891A0228	M. Jathin
Guide Name :	G. Srinivas	
Abstract :	Darkness Detector or Dark Detector is a circuit that detects darkness or absence of light. In this project, we have implemented a simple Darkness Detector Circuit using the simplest of all light sensors: the LDR (Light Dependent Resistor).Darkness Detector circuits like this can be used in applications where we can automatically turn on lights when it becomes dark.In addition to the LDR, we have also used the good old 555 Timer IC in Astable Mode to generate the required square wave. There are some passive components like capacitor and resistors. We have used a Piezo Buzzer as an alarm to indicate darkness.The aim of this simple project is to detect darkness with the help of LDR and activate the buzzer.	
Title of the Project:	Laser Detector Security Alarm System	
	18891A0229	Tharala Srikar
Student Details :	18891A0230	Marneni Aravind
	18891A0231	Meerododdi Manjari
Guide Name :	T. Jayanth Kumar	
Abstract :	The project we have worked on is a wireless security system that can be controlled through a wireless remote or a touch tonephone from any place. The main component of this system are the infrared motion sensors and basic alarm unit. It works on detecting heatof any human body when there is any technical fault, in turn the alarm unit is triggered. The security makes the person monitoring securityalert and may be the concerned local law enforcement body also, by sirening a high-pitched sound. Here there are two types of laser beamthat work: green beam, infrared beam. The infrared beam is not visible to naked to eyes whereas the green beam the visible	
Title of the Project:	Touch Sensor	
	18891A0232	Mula Shashank Reddy
Student Details :	18891A0233	N. Bharath Kumar
	18891A0234	Nanjuti Varshitha
Guide Name :	T. Jayanth Kumar	
Abstract :	We can touch things, and our senses tell us when our handsare touching something. But most computer input devicescannot detect when the user touches or releases the deviceor some portion of the device. Thus, adding touch sensorsto input devices offers many possibilities for novel interaction techniques. We demonstrate the TouchTrackballand the Scrolling Touch Mouse, which use unobtrusive capacitance sensors to detect contact from the user's hand without requiring pressure or mechanical actuation of a switch. We further demonstrate how the capabilities ofthese devices can be matched to an implicit interaction technique, the On-Demand Interface, which uses the passive information captured by touch sensors to fade in orfade out portions of a display depending on what the user is doing; a second technique uses explicit, intentional InterAction with touch sensors for enhanced scrolling. Wepresent our new devices in the context of a simple tax-onomy of tactile input technologies. Finally, we discuss theproperties of touch-sensing as an input channel in general	
Title of the Project:	Auto Water Pump Switcher	
	18891A0235	Nidra Udaya Sree
Student Details :	18891A0236	Nimmala Ganesh
	18891A0237	Nyavanandi Suraj
Guide Name :	T. Jayanth Kumar	
Abstract :	In many Places time for water supply is not fixed. It may be in early morning hours or anytime in a whole day. These creates many problems for a concerned person you have to wake up early, just to switch on your motor pump and wait till your water tank is filled up.So, Here we have	

designed a simple idea which simply turns on or off your pump according to your water supply. The controller system works on a 555 IC with a water-level sensing arrangement. So whenever the incoming water is sensed the relay circuit simply switches the Pump On and when the water supply is off the relay switches off the motor

Title of the Project: Finger Print Door Unlock

Student Details :

18891A0238	Y. Alekhya
18891A0239	P. Monika
18891A0240	Seema Tabassum

Guide Name : Ch. Ramaiah

Abstract : This project includes a smart and affordable door lock enhanced with a fingerprint interface. For implementing this project, we will be using the atmel atmega328p, a fingerprint sensor, gsm module, motor driver, a motor and some other hardware devices. The fingerprint sensor will be integrated in the door panel, facing outer side of the door, so that people can't have access to the controlling system from outside. The latches will be fixed inside the door panel, so that the thickness of the door can help the latch's strength. We'll use a few latches within the panel to divide the force among them if tried to forced in. The fingerprint sensor will take the fingerprint of the user and forward it to the microcontroller to match with its records. If the print matches with one of the fingerprints of the microcontroller's memory, the microcontroller will lock or unlock the latch, based on its current state. If the fingerprint is foreign to the microcontroller, the buzzer will buzz and the user will have to try again. If wrong fingerprints are tried 5 times at large, the system will text the owner to alert him/her about a break in. The system will also go into a secure state where it will continue to buzz the buzzer to alert the neighbours that something is wrong. The system will be reset once a known print will be entered.

Title of the Project: Fire Alarm

Student Details :

18891A0241	Shriya Gurram
18891A0242	T. Akhil Kumar
19895A0201	Kalvakol Amulya

Guide Name : Ch. Ramaiah

Abstract : The primary purpose of fire alarm system is to provide an early warning of fire so that people can be evacuated & immediate action can be taken to stop or eliminate of the fire effect as soon as possible. Alarm can be triggered by using detectors or by manual call point (Remotely). To alert/evacuate the occupants siren are used. With the Intelligent Building of the rapid development of technology applications, commercial fire alarm market demand growth, the key is to use the bus system intelligent distributed computer system fire alarm system, although installation in the system much easier than in the past , but still cannot meet the modern needs, the installation costs of equipment costs about 33% ~ 70. The suggested technique in Fire alarm system used the addressable detectors units besides using the wireless connection between the detector in zones as a slave units and the main control unit as the master unit.

Title of the Project: Home Automation using Bluetooth Module

Student Details :

19895A0202	Injamuri Ashok Kumar
19895A0203	V Pavan Kumar
19895A0204	Devaram Nikhil Reddy

Guide Name : Ch. Ramaiah

Abstract : Technology is a never ending process. To be able to design a product using the current technology that will be beneficial to the lives of others is a huge contribution to the community. This paper presents the design and implementation of a low cost but yet flexible and secure cell phone based home automation system. The design is based on a stand alone Arduino

BT board and the home appliances are connected to the input/ output ports of this board via relays. The communication between the cell phone and the Arduino BT board is wireless. This system is designed to be low cost and scalable allowing variety of devices to be controlled with minimum changes to its core. Password protection is being used to only allow authorised users from accessing the appliances at home

Title of the Project: Foot Step Generator

Student Details :

19895A0205	Konga Likhil
19895A0206	Gaddam Yamini
19895A0207	C. Lakshmi Priyanka

Guide Name : K.Vishnu

Abstract :

Proposal for utilization of waste energy of foot power with human locomotion is very relevant in populated countries like India where roads, railway stations, bus stands, temples, etc. are overcrowded and millions of people move around. This whole energy is wasted. If this energy made possible for utilization it will be a great invention. In this project we are converting non-conventional from just walking foot step into electrical energy. This project uses simple drive mechanism such as rack and pinion assembly. The control mechanism carries the rack & pinion, and D.C generator to output. In this project we are generating electrical power as non-conventional method by simply walking or running on the footsteps.

Title of the Project: Water Level Indicator

Student Details :

19895A0208	Ravulapalli Triveni
19895A0209	Shaik Ashiq Pasha
19895A0210	Balu Indhu

Guide Name : K.Vishnu

Abstract :

Water level indicator electrical project explains about displaying information of water level in the tank by using led lights. There are four led lights used in the circuit when LED1 is on it means that water level is at ¼ of the tank and if LED 2 is displayed then water level is ½ of the tank and if LED 3 is displayed water level is ¾ of the tank and if LED 4 is displayed water level is full. This project uses IC Chip CD4066.In this project you can find circuit diagram of the project which can be first tested on bread board and then make it in to circuit board. This project explains about how this project works with circuit diagram explanation

Title of the Project: Low Cost LPG Detector

Student Details :

19895A0211	Janagam Akshith
19895A0212	Pallati Mahesh Babu
19895A0213	K. Vamshi Krishna

Guide Name : K.Vishnu

Abstract :

a low cost Microcontroller based project. Microcontroller based LPG gas leakage system using MQ6 (LPG Gas) sensor with Buzzer indication has applications in various areas including Industrial application, domestic application. this system is very useful in hotels ,home,car,lpg agencies . This system has advance safety standard and most important this helps prevent accident occurred because of fire. It also useful in protecting human life ,wealth and property . MQ6 (LPG Gas) sensor is used to detect LPG leakage this sensor has quick response time it responding very short period of time. Output of MQ6 sensor is given to Comparator. And output of comparator IC is given to microcontroller 89s51. Liquid crystal display – LCD display shows a message when MQ6 crosses threshold level. And also a Buzzer is turned on to give Alert indication. We have provided a potentiometer which is used to vary the threshold level of comparator which decides the threshold level of leakage condition.

Title of the Project: Wireless AC Power Detector

Student Details :

19895A0214	Raavi Venu Madhav

	19895A0215	M.Waseemuddin
	19895A0216	Koutarapu Maneesh
Guide Name :	D. Anil Kumar	
Abstract :	In Industries accident takes place dueto leakage of electricity. The accidents can beavoided by using the wireless AC line detector.The motive of this project is to detect presenceof electricity wirelessly. The detection takesplace continuously which can be monitored byusing a mobile. The monitoring may be usingstandalone application and PersonalComputer. Two main components are currentsensor and voltage sensor are used in ac lines.Using the transformer step down takes place.The voltage sensor senses the amount ofvoltage in the line. Then the readings are givento the Arduino. The arduino converts theanalog signal into digital signal. In a similarway the current sensor senses the currentvalue and gives it to the arduino board. Thearduino converts the analog signal into digitalsignal. The arduino board then sends the datato mobiles and web pages using GSM modulesand Wi-Fi module respectively	
Title of the Project:	Water Level Control System using Arduino	
	19895A0217	A. Jagan Alchala
Student Details :	19895A0218	Kakkunuri Sai Kumar
	19895A0219	Aerraboina Srinu
Guide Name :	T. Ramya	
Abstract :	The project is designed to give a display of water level in a tank and control a pump motor as required.The reading given is in the scale of 0 to 9. A priority encoder is interfaced to a decoder to get the display of water levelon 7 segment display. This is the circuit designed for overhead tank digital water level indicator. It is built aroundpriority encoder, BCD-to-7-segment decoder, 7-segment display and a few discrete components. Due to high inputimpedance, priority encoder senses water in the container from its nine input terminals. In this Arduino basedautomatic water level indicator and controller project we are going to measure the water level by using ultrasonicsensors. Basic principal of ultrasonic distance measurement is based on ECHO. When sound waves are transmitted inenvironment then they return back to the origin as ECHO after striking on any obstacle. So we have to only calculate itstraveling time of both sounds means outgoing time and returning time to origin after striking on any obstacle. And aftersome calculation we can get a result that is the distance. This concept is used in our water controller project where thewater motor pump is automatically turned on when water level in the tank becomes low.	
Title of the Project:	Metal Detector Circuit	
	19895A0220	Gudidevuni Bhargavi
Student Details :	19895A0221	Alakuntla Dwija
	19895A0222	Ravula Jagadish
Guide Name :	T. Ramya	
Abstract :	Metal detector is a very common device that is used for checking persons, luggage or bags in shopping malls, hotels, cinema halls, etc. to ensure that person is not carrying any metals or illegal things like guns, bombs etc. Metal Detectors detect the presence of metals.There are different types of metal detectors like hand held metal detectors, walk through metal detectors and ground search metal detectors. Metal detectors can be created easily and the circuit for a basic metal detector is not that complex.In this project, we have designed a simple DIY type Metal Detector Circuit using very simple components that can be used in our homes and gardens.	
Title of the Project:	CNC Drawing using Aurdino	
Student Details :	17891A0201	Abbaraju Dhanasree

	17891A0204	Pranav
	17891A0204	Amireddy Chandana
Guide Name :	Mrs. G. Sravanthi	
Abstract :	Computer Numeric Control Machines are animportant part of the manufacturing industry. These machinesare fast, accurate and adaptable. The project's objective is todesign and implement a low-costthree-dimensionalcomputerized numerical control (CNC) machine for PCBdrawing. The primary function of this CNCmachine is to drawthe PCB layout and thus to connect PC to a numeric controlmachine. As there is a high demand in market for accurate andlow-cost CNC machine for PCB drawing so our main objectiveof project is design low-cost computerized numerical control(CNC) for PCB drawing. To achieve cost effectiveness, oursystem based on Arduino microcontroller and also it maintainsthe accuracy and reliability required for complex shapes. Thebackbone of the system is a smart mechanical system with theintegrated system that provides precise results. Full form ofthe CNC machine is computer numerical controlled machine.Movement of CNC machine can be controlled by the instructionsuch as coordinate position which is generated by computer.	

Title of the Project:	Smart Assistant for Dumb	
	17891A0205	Andekar Manoj Raj
Student Details :	17891A0206	Anish Kumar
	17891A0207	Banoth Mukesh
Guide Name :	Mrs. G. Sravanthi	
Abstract :	About nine million people in the world are considered to be a deaf or dumb or both. Communications between deaf-dumb and a normal person have always been a challenging task. Generally dumb people use sign language for communication but they find difficulty in communicating with others who don't understand sign language. This project aims to lower this barrier in communication by developing a portable electronic device that act as a smart assistant. The device can act as an artificial ear and tongue. Through this device the disabled persons can even make a phone call communication, which is defined as an impossible thing for them. Thus our primary goal in this project is to provide a standard lifestyle for deaf and dumb peoples as normal ones.	

Title of the Project:	Smart Dust Bin	
	17891A0208	Yedulla Sowmya Bindhu
Student Details :	17891A0209	Bodoju Saikumar
	17891A0211	Bomma Vineeth
Guide Name :	Mrs. G. Sravanthi	
Abstract :	The main objective of the project is to design a smart dustbin which will help in keeping our environment clean and also eco friendly. We are inspired from Swaach Bharat Mission. Nowadays technologies are getting smarter day-by-day so, as to clean the environment we are designing a smart dustbin by using Arduino. This smart dustbin management system is built on the microcontroller based system having ultrasonic sensors on the dustbin. If dustbin is not maintained than these can cause an unhealthy environment and can cause pollute that affect our health. In this proposed technology we have designed a smart dustbin using ARDUINO UNO, along with ultrasonic sensor, servo motor, and battery jumper wire. After all hardware and software connection, now Smart Dustbin program will be run. Dustbin lid will when someone comes near at some range than wait for user to put garbage and close it. It's properly running or not. For social it will help toward health and hygiene, for business for we try to make it affordable to many as many possible.	

Title of the Project:	Aurdino based Automatic Celling Fan Winding	
Student Details :	17891A0212	C N Yasaswini Sravani

	17891A0213	Chilakala Hithesh Yadav
	17891A0214	Chintakuntla Akash Reddy
Guide Name :	Dr. D. Suresh	
Abstract :	A coil winding machine is a machine for windingcoil onto a spool, bobbin and many more. This coil windingmachine is one of types of winding machine that available inindustries today. From multi speeded machines to medium,large and extra-large machines, these machines come invarious types and categories, performing a range function.The common applications for a coil winding machine are towind coils for transformer, inductors, motor and chokes. Tocomplete a coil using manual coil winding machine will beinconvenience and waste of time. Therefore, fabrication of coilwinding machine will be done in this project which iscontrolled by two stepper motor using Ardiuno program. Thismachine is inexpensive, easy to operate and build in a smallscale size. Thisproject also can be used for training students inwinding of small transformers & relay coils.	

Title of the Project:	Ultrasonic Machining	
	17891A0215	Dappili Dheeraj Reddy
Student Details :	17891A0216	Dasari Bhavya
	17891A0218	Devasani Sreelekha
Guide Name :	Dr. D. Suresh	
Abstract :	Ultrasonic machining (USM), using shaped tools, high-frequency mechanical motion, and abrasive slurry is effective for materials of extreme hardness or brittleness. Unlike other nonconventional machining methods such as laser beam and electrical discharge machining, USM does not thermally damage the workpiece. This is important for the longevity of materials in service. However, the tool experiences wear, which causes a reduction machining efficiency. Composite materials offer advantages in structural applications because of their high specific strength and directional properties. In many applications, composites are cured in their final shape; however, machining is necessary at both the prepreg and product stages. In traditional drilling, delamination and splintering at the edges of holes often occur due to anisotropy and the lamination of composite materials. USM is suitable for such materials for its mode of material removal, which utilizes small individual abrasives. In this chapter, we discuss on-line tool-wear monitoring during USM, the effect of abrasive and drilling parameters on material removal rate, hole clearance, edge quality, tool wear, and surface roughness of composites for application in the manufacturing industry.	

Title of the Project:	Linear Induction Motor	
	17891A0219	Doddi Veera Bhargav
Student Details :	17891A0221	Gyashwanth Reddy
	17891A0222	G Venkata Sai Sruthi Sharvani
Guide Name :	Dr. D.Suresh	
Abstract :	This project explores the construction process of a linear induction motor (LIM), the basic concepts behind key aspects of linear induction machines construction and the testing process of a working prototype. Making use of three phase systems, fundamental devices are used to produce a machine governed by means of electromechanical forces, based on varying magnetic fields and energy propagation all generated by three phased systems. The prototype developed is characterized in its mechanical configuration and subsequent tests are performed to address energy usage efficiency in different coil arrangements, varying key parameters which rule the movement generated by it, equivalent circuit analysis are employed. Automation circuits are implemented, rudimentary solving problems of directional movement, enabling the LIM to perform changes in direction.	

Title of the Project: Women Security Device

Student Details :	17891A0223	Garisapati Dheeraj Kumar
	17891A0224	Gopireddy Sankeerthana
	17891A0225	Jukanti Alekya
Guide Name :	L. Bhanu Ganesh	
Abstract :	Objectives: In our Country, even though it has super power and an economic development, but still there are many crimes against women. The atrocities against the women can be brought to an end with the help of our product "FEMME". This device is a security system, specially designed for women in distress. Method/Analysis: Using ARM controller for the hardware device is the most efficient and it consumes less power. We use radio frequency signal detector to detect hidden cameras. Findings: We analysed that there are no security device for our total safety. The user has to carry multiple devices. We found an ALL-IN-ONE security device which has all the features in one click. Applications/Improvements: In this paper we used ARM controller and android application in which both the device and the smart phone are synchronized using Bluetooth, hence both can be triggered independently. We can record audio for further investigation and can give an alert call and message to the pre-set contacts with the instant location every 2 minutes and can be tracked live using our application. Hidden camera detector is also a distinct feature using which we can ensure our privacy	

Title of the Project:	Door Lock	
Student Details :	17891A0226	Kallu Priyanka Reddy
	17891A0227	Yadhula Kiran
	17891A0228	Karnekanti Sai Teja
Guide Name :	L. Bhanu Ganesh	
Abstract :	In this project, we propose a smart digital door lock system for home automation. A digital door lock system is equipment that uses the digital information such as a secret code, semi-conductors, smart card, and finger prints as the method for authentication instead of the legacy key system. In our proposed system, a ZigBee module is embedded in digital door lock and the door lock acts as a central main controller of the overall home automation system. Technically, our proposed system is the network of sensor nodes and actuators with digital door lock as base station. A door lock system proposed here consists of RFID reader for user authentication, touch LCD, motor module for opening and closing of the door, sensor modules for detecting the condition inside the house, communication module, and control module for controlling other modules. Sensor nodes for environment sensing are deployed at appropriate places at home. Status of individual ZigBee module can be monitored and controlled by the centralized controller, digital door lock. As the door lock is the first and last thing people come across in entering and leaving the home respectively, the home automation function in digital door lock system enables user to conveniently control and monitor home environment and condition all at once before entering or leaving the house. Furthermore, it also allows users to remotely monitor the condition inside the house through Internet or any other public network. The biggest advantage of our proposed system over existing ones is that it can be easily installed when and where necessary without requirement of any infrastructures and proper planning.	

Title of the Project:	Controlling Solar Energy Charge	
Student Details :	17891A0229	Karra Ruchitha Reddy
	17891A0230	Katukuri Sai Chandra Reddy
	17891A0231	Kesa Nandini Kumari
Guide Name :	L. Bhanu Ganesh	
Abstract :	The project allows for battery charging system from a solar panel. With the help of the solar panel the solar energy is converted into electrical energy through photo-voltaic cells. The system is beneficial for storing the	

energy for night time use. The project even controls the charging mechanism i.e. when the battery gets overcharged or undercharged. It requires a set of op-amps that constantly monitors the parameters like panel voltage, load current etc. When the battery is fully charged a green LED is switched on and when the battery is over charged or undercharged a red LED glows.MOSFET is used to cut off the load when it gets overcharged or is undercharged whereas a transistor is used to switch the load to another dummy one when it is fully charged thereby protecting it from being damaged

Title of the Project: Smart Odometer

Student Details :

17891A0232	Kota Uday Sree
17891A0234	Lolakapuri Lohith Akshay
17891A0235	Marapaka Poojitha
17891A0236	Medipally Srikanth
17891A0237	Munukuntla Haritha Goud
17891A0238	Namala Bhavishya

Guide Name : Mr. D. Srikanth

Abstract :

The project allows for battery charging system from a solar panel. With the help of the solar panel the solar energy is converted into electrical energy through photo-voltaic cells. The system is beneficial for storing the energy for night time use. The project even controls the charging mechanism i.e. when the battery gets overcharged or undercharged. It requires a set of op-amps that constantly monitors the parameters like panel voltage, load current etc. When the battery is fully charged a green LED is switched on and when the battery is over charged or undercharged a red LED glows.MOSFET is used to cut off the load when it gets overcharged or is undercharged whereas a transistor is used to switch the load to another dummy one when it is fully charged thereby protecting it from being damaged

Title of the Project: Metal Detector

Student Details :

17891A0239	Naroju Unmeelya
17891A0240	Garapati Harshith
17891A0241	Ojeshvitha Dachepelli

Guide Name : B. Shankar

Abstract :

Metal detectors are extensively used to find undesirable metal objects in processed food. In such a typical metal detector, the coils are coaxially arranged with the transmitting coil in the center and two receiving coils on the sides. The receiving coils are connected to a differential amplifier.

Title of the Project: Photo Voltaic Solar Power Generation

Student Details :

17891A0242	P Anurag
17891A0243	Palle Sai Nikhil Reddy
17891A0244	Pasumarthi Sesha Sai Kumari

Guide Name : B. Shankar

Abstract :

Solar photovoltaic systems are prohibitively expensive in terms of installation costs. Power from them is also available intermittently—only when energy from the sun is available. On the other hand, PV systems are free of the ever-rising costs of input fuel. They also incur much less operation and maintenance costs and are supposed to have a longer lifetime than, for example, a fossil fuel power plant. Thus using solar-PV power looks uneconomical in the short term, but may be profitable in the long term. It is, therefore, interesting to identify the factors that can make investment in solar PV power generation acceptable. This paper carries out a financial analysis of installing a 10 MW solar photovoltaic power generation plant for sale of electricity to a grid. It compares the levelised cost of this mode of energy generation as compared to a fossil fuel plant. It also calculates the cost of electricity generation and tariff for power from this plant. It then identifies the factors that can make the investment in a

grid-scale solar PV plant more favourable than investment in other conventional and non-renewable sources

Title of the Project: Closed Loop Control of Brushless DC Motor

Student Details :

17891A0245	Ponugoti Ashritha
17891A0246	Uppala Naren
17891A0247	R. Anushma Reddy

Guide Name : B. Shankar

Abstract :

Closed loop control for a brushless dc motor to run at the exactly entered speed is a system that controls the BLDC (brushless dc) motor speed according to the user defined speed. In other words, this system runs the motor at 25%,50% or 75% of the total speed when user set this percentage of speed from digital keypad. Different variable speed drives are available in market which have been using different control techniques but here we have designed this system with the help of closed loop control technique. Normally to run the BLDC motor at desired speed is very difficult task but here we have made this so much easy with the help of this closed loop control for a BLDC motor to run at the exactly entered speed system. This system has designed with the help of, step down ac transformer, bridge rectifier, voltage regulator, LCD display, microcontroller pic18F452 belongs to pic family, MOSFET, speed sensors and OPTO isolator for driving the BLDC motor. It is less costly, more compact, controls the motor speed more precisely and effectively as compared to other system

Title of the Project: EMBEDED based Ambulance

Student Details :

17891A0248	SAMPATH SUMANJALI
17891A0249	SANGI SAI TEJA
17891A0250	SAPPA SAI SANTHOSHI LAKSHMI

Guide Name : R. Ramanjan Prasad

Abstract :

In emergency system, the transfer of patients to the hospital should be in fast and save manner to increase the rescue and survival rates. Thus, the ambulances take the short and safe way to the emergency department at a hospital. To satisfy this, this paper tackles the problem of road jamming by controlling the underlying traffic lights and selecting the optimal path depending on crowed sensor readings

Title of the Project: Mobile Phone Detector

Student Details :

17891A0251	Shaik Arfath
17891A0252	Surepally Preethamraj
16891A0208	Prakash

Guide Name : R. Ramanjan Prasad

Abstract :

It has been some decades since human beings start using mobile phones. They has been minimizing and modernizing our costs and communication styles. They are primarily designed for voice communication. in addition to the standard voice function, new generation mobile phones support many additional services, and accessories such as SMS for text messaging, email, packet switching for access to the internet, gaming, Bluetooth, camera with video recorder and mms for sending and receiving photos and video, mp3 player, radio and GPS. As long as the mobile network is there our mobile phone wouldn't stop communicating with the nearest cell (network station or tower) but when we receive a call, try to call for someone or connect to the internet our mobile receive a higher frequency signal from the previous one that's when we say our mobile phone is in active mode. Mobile phone detectors are devices that that can detect active mobile phones around them by using antenna based detection system. As stated earlier when mobile phones are active there exist a radio frequency signal transmitted and received by the trans receiver and the mobile, thus mobile phone detectors detect are designed to detect this kind of signal by their antenna and use it as an input then give us an output weather by a speaker alarm, buzzer our any output device. They are mostly use for

security purposes. During a test time or any place where using mobile phones are forbidden they can be used to detect any kind of cheating. In a plane stations they also can be used test whether the device in the hand of the customer are mobiles phone or not, for the sake of security

Title of the Project: Study Lamp CFL

Student Details :
18895A0201 Bommedi Ratnakar Reddy
18895A0202 Gidde Bharath

Guide Name : R. Ramanjan Prasad

Abstract : Techno-economic performance comparison of compact fluorescent lamps (CFL) with light emitting diodes (LED), electrode less fluorescent lamps (EEFL), fluorescent tubes, incandescent bulbs, photovoltaic (PV) and fiber optic lighting systems was carried out in view of worsening power and energy crisis in Pakistan. Literature survey showed 23 W CFL, 21 W EEFL, 18 W fluorescent tube or 15 W LED lamps emit almost same quantity of luminous flux (lumens) as a standard 100 W incandescent lamp. All inclusive, operational costs of LED lamps were found 1.21, 1.62. 1.69, 6.46, 19.90 and 21.04 times lesser than fluorescent tubes, CFL, EEFL, incandescent bulbs, fiber optic solar lighting and PV systems, respectively.

Title of the Project: Automatic Light and Overcharging Control with Voltage-Level Indicator

Student Details :
18895A0203 M. Naveen Kumar Chary
18895A0204 Vanaparthi Dharani
18895A0205 K Naga Phanindra

Guide Name : A. Hari Prasad

Abstract : Most of the modern devices are run by the batteries. A battery stores the charge and then supply that charge to power up any electronics device. Though batteries are handy to use, their use need some precautions too. A major problem with the use of batteries is their over discharging and over charging. Both of these issues affect the life of a battery and cost the end user needlessly. These issues are often ignored by the users too. The improper handling of batteries shorten their life and may even lead to explosion. This ultimately increases the maintenance cost of the electronics devices.

Title of the Project: Simple FM Receiver

Student Details :
18895A0206 Vankunavath Kiran
18895A0207 Gaini Vamshi Kiran
18895A0208 Nalluri Rahul Kanth

Guide Name : A. Hari Prasad

Abstract : A radio or FM receiver is an electronic device that receives radio waves and converts the information carried by them to a usable form. An antenna is used to catch the desired frequency waves. The receiver uses electronic filters to separate the desired radio frequency signal from all the other signals picked up by the antenna, an electronic amplifier to increase the power of the signal for further processing, and finally recovers the desired information through demodulation

Title of the Project: Automatic Water Tap without Using Microcontroller

Student Details :
18895A0209 Maloth Rama Rao
18895A0210 Mohammed Ahsan Hussain
18895A0211 P Rohini

Guide Name : A. Hari Prasad

Abstract : In this busy world everybody are interested in making theirroutine works automated and also want to monitor the elderlypeople and patients at home. One of the routine works athome is Plant watering and is very important when the peopleleave the home for vacation or emergency as the plants mayend up drying due to lack of water. Helping the elderly anddisabled people to control the taps for their daily activities isalso a

challenging job. This system is about Tap control
control system using the smart phones and the arduino boards.This can be used to control the taps for plant watering andother taps in the home through internet by sitting anywhere inthe world. Arduino 2560 board with Ethernet Shield is used inthis project.

Title of the Project: Micro Controller based Heart Beat with LCD Display

Student Details :

18895A0212 Pothuri Soumya
18895A0213 Donakonda Sravanthi
18895A0214 Banavath Chandar
18895A0215 Thippatla Achyuth

Guide Name : T. Ramya

Abstract :

This project is designed to measure heart beat (pulse count), by using embedded technology. In this project simultaneously it can measure and monitor the patient's condition. This project describes the design of a simple, low-cost controller based wireless patient monitoring system. Heart rate of the patient is measured from the thumb finger using IRD (Infra Red Device sensor).Pulse counting sensor is arranged to check whether the heart rate is normal or not. So that a SMS is sent to the mobile number using GSM module interfaced to the controller in case of abnormal condition. A buzzer alert is also given. The heart rate can be measured by monitoring one's pulse using specialized medical devices such as an electrocardiograph (ECG), portable device e.g. The patient heart beat monitoring systems is one of the major wrist strap watch, or any other commercial heart rate monitors which normally consisting of a chest strap with electrodes. Despite of its accuracy, somehow it is costly, involve many clinical settings and patient must be attended by medical experts for continuous monitoring

Title of the Project	:	Design and Fabrication of Equaliser Clamp
Student Details	:	18891A0301 Alampally Nikhil 18891A0302 Ale Vinay 18891A0303 Alugula Harsha Vardhan Reddy 18891A0304 Arragoni Balaram 18891A0305 A Aditya Sudeep Sai 18891A0306 B. Ashrith
Guide Name	:	Mr. A.Venkatram Reddy
Abstract	:	"Time is very essential for everyone" so we are pleased to design and fabricate a project on clamping device namely "EQUALISER CLAMP" which saves the time while clamping the work piece and makes the machining very easy and accurate. Our project hold the work piece securely in correct position while machining it with the help of our project machining operations like Drilling, reaming, tapping, shaping etc and various machining operations can be performed easily.

Title of the Project	:	Plant Irrigation Water Sprinkler Robot
Student Details	:	18891A0307 B. Nikhil Gupta 18891A0308 G.B.V.P. Manideep 18891A0309 Battula Ashish Gopi 18891A0310 Beerelli Sada Shiva Reddy 18891A0311 Bodasu Dinesh Kumar 18891A0312 Bollam Jalandhar
Guide Name	:	Mr. A.Venkatram Reddy
Abstract	:	Irrigation systems require large piping setups along with many sprinklers in order to achieve proper irrigation. This system has many problems associated with it. It requires expensive piping as well as sprinkler costs along with high powered motors in order to drive water through such long pipes. There is always a chance of leakages that may cause oversupply of water to a particular area and under supply in another leading to plantation loss.

Title of the Project	:	Jalmuk, A Multipurpose Hoverboard
Student Details	:	18891A0313 Boya Jagadheeswar 18891A0314 Burugu Avinash 18891A0315 Chepuri Karthik 18891A0316 Chilukuri Uday Kiran Reddy 18891A0318 D. Manikanth
Guide Name	:	Mr. Ranjith Kumar
Abstract	:	Hover board can be confused with a Segway but a real hover board is one that can float in air and move around. Despite huge interest from people and much technological advancement, we have not been able to invent a fullyfledged Hover board yet that could levitate and work on most of the surfaces. Although we have been able to levitate stuff (using Maglev or Super-Conductors) but in doing that in a small, portable and feasible form factor has not been quite possible yet.

Title of the Project : E - Bike

Student Details :

18891A0319	D. Sai Likhth
18891A0320	Dasoju Nihal Kumar
18891A0321	G. Ashish Yadav
18891A0322	Gante Prashanth
18891A0323	Goliwada Sai Kumar
18891A0324	Gorla Hari Krishna

Guide Name : Mr. Ranjith Kumar

Abstract :

The bicycle has gone from being an old-fashioned recreational product to a less polluting means of transport and a compact, ultra-light personal mobility tool. This is how electrical bicycles will be used as the pillar that could support individual public transport in large cities worldwide. The objective of this manuscript is to detect how worldwide research on the electric bicycle is being developed, and, especially, around which scientific domains is it clustered, to finally identify the main trends in the field.

Title of the Project : Gyroscopic Two Wheeler

Student Details :

18891A0325	Gowrisetty Koushik
18891A0326	Kadari Vishwa Teja
18891A0327	Kandagatla Sai Kumar
18891A0328	Kandukuri Sairam Chandra Reddy
18891A0329	Kanne Ritesh Yadav
18891A0330	Kanneboina Mahesh

Guide Name : Mr. R. Srikanth

Abstract :

Self-balancing two wheeler using gyroscope finds its application in the field of road safety. The need for a system to balance a two wheeler irrespective of its motion is on the high. Gyroscopes findits application in other stabilizing systems such as stabilizers in ship and in flight control of aircrafts. We have incorporated the same principle to a two wheeler.

Title of the Project : 06 Dual Sun Tracker using Solar Panel.

Student Details :

18891A0331	Komidala Raghunath Reddy
18891A0332	Kotha Sravan
18891A0333	Kumbham Snehith Reddy
18891A0335	M. Praneeth Reddy
18891A0336	M. Sai Kiran

Guide Name : Mr.R. Srikanth

Abstract :

Energy crisis is one of the prime issues in the third world developing country like Bangladesh. There's an enormous gap between generation and demand of electrical energy. Nearly 50% population of the country is extremely isolated from this blessing. Renewable energy is the only answer to solve this issue. Solar energy is one of the most effective resources of the renewable energy which could play a significant role to solve this crisis. This research presents a performance analysis of dual axis solar tracking system using Arduino.

Title of the Project	**: 07**	Diy Front Suspension with Differential and Steering Gear
Student Details	:	18891A0317 D. Likhith Kumar 18891A0337 Mandava Vishnu Sai 18891A0338 Maramreddy Monish Reddy 18891A0339 T Poorna Venkata Sai Kiran 18891A0340 Neela Prem Sai 18891A0341 Nelakurthi Sandeep 18891A0342 Nibbaragandla Nitheen Reddy
Guide Name	:	Mr. Sri Hari
Abstract	:	When You Rotate The Steering Wheel, The Car Responds. But How Does This Steering System In Cars Give You A Smooth Route Forward? A Group Of Parts Called The Steering System Transmits The Movement Of The Steering Wheel Down The Steering Shaft To Move The Wheels Left And Right – Although Car Wheels Don't Turn
Title of the Project	**: 08**	Water Sensor
Student Details	:	18891A0343 P. Karthik 18891A0344 P. Yashwardhan 18891A0345 Pandala Shiva 18891A0346 Parsa Vinay Kumar 18891A0347 Peddabhomma Karthik 18891A0348 Pisike Sai Raghav
Guide Name	:	Mr. Sri Hari
Abstract	:	This project is mainly used in house hold purpose. Therefore there will be no wastage of water. Water sensor is a device used in the detection of the water level for various applications. Water sensors can come in several variations that include ultrasonic sensors, pressure transducers, bubblers, and float sensors in the houses.
Title of the Project	**: 09**	Suspension with Four Bar Link Mechanism
Student Details	:	18891A0350 Punna Sai Sharan 18891A0351 R.Varunvastav 18891A0352 Racharla Sri Charith 18891A0353 Sirikonda Sai Srinu 18891A0354 T V S Krishna Kaushik 18891A0356 T. Manikanta 18891A0359 Vemu Nithish Kumar
Guide Name	:	Mr. G. Nagesh
Abstract	:	"Horst Link" suspension is a type of four-bar linkage suspension. It is characterized by having both connecting links pivot on the seat tube, with the lower pivot located above the center of the bottom bracket, and the rear axle being located higher than the pivot connecting floating link and lower connecting link.
Title of the Project	**: 10**	Design and Fabrication of Rolling Machine with Splines
Student Details	:	18891A0363 Amanaganti Sai Vamshi 18891A0364 Bhukya Shivaji 18891A0365 Bijjula Abhinay 18891A0366 Borra Veda Bharat
Guide Name	:	Mr. Vinod
Abstract	:	Rolling is the process in which the metal and alloys are plastically deformed into semi-finished or finished condition, by passing these between circular or contoured rotating cylinder (rolls). The metals are drawn into the opening between the rolls by frictional force s between the metal and the roll surface. In deforming metal between rolls, the work piece is subjected to high compressive force from the squeezing action of rolls.
Title of the Project	**: 11**	Design and Fabrication of Pedal Operator Recipocating Water Pump

Student Details	:	18891A0368 Cheripally Shiva Krishna 18891A0369 Cherka Satheesh Kumar 18891A0370 Chowllapally Vinay Kumar Reddy 18891A0371 Darnasi Venkatesh 18891A0372 Dhendi Uday Kiran Reddy
Guide Name	:	Mr. Vinod
Abstract	:	A Water system includes a reciprocating pump operated by pedaling power. The pump set and includes a housing in which a foot pedal and drive shaft rotate an eccentric pin rotating with the drive shaft moves a connecting rod which in turn causes push rod to move linearly. The pushrod extends into a pressure tight chamber formed above the rising main. A pump rod connected to the push-rod extends to the conventional plunger through verified motion.

Title of the Project	**: 12**	MoS_2 & WS_2 Solid Lubricants Pollution Testing with Textured Rod in Turning Operation.
Student Details	:	18891A0373 A.Shiva Balaji 18891A0374 B. Srisailam 18891A0379 G Yashwanth 18891A0380 J.Saiteja 18891A0381 Jakka Vijay Kumar Reddy 18891A0382 K Sreeja
Guide Name	:	Mrs. Ch. Divya
Abstract	:	Machining is a backbone of manufacturing industries. In machining process, heat is generated and it must be removed with the help of cutting fluid. The conventional cutting fluids are used but it leads to environmental pollution and as well as operator's ill health. Solid lubrication is a good alternative to conventinal cutting fluid. In this work, turning process is carried out using MoS2 & WS2 as solid lubricants on textured tools and pollution is measured during the machining process.

Title of the Project	**: 13**	Graphite & CaF_2 Solid Lubricants Pollution Testing with Textured Tool in Turning Operation.
Student Details	:	18891A0383 K. Sai Kumar Goud 18891A0384 Kancharlapalli Revanth 18891A0375 Ramaswamy Shiva Shankar Reddy 18891A0376 Ganji Sai Venkat 18891A0377 Gummadavally Manideep 18891A0378 Gunti Sai Charan
Guide Name	:	Mrs. Ch. Divya
Abstract	:	Metal cutting or machining is a backbone of manufacturing industries. In machining process, heat is generated and it must be removed with the help of cutting fluid. The conventional cutting fluids are used but it leads to environmental pollution and as well as operator's ill health. Solid lubrication is a good alternative to conventinal cutting fluid. In this work, turning process is carried out using CaF2 & Graphite as solid lubricants on textured toolsand pollution is measured using a device.

Title of the Project	**: 14**	Electro Magnetic Breaking System
Student Details	**:**	18891A0385 KANDADI UDAY KIRAN REDDY 18891A0387 KATTA VINAY REDDY 18891A0388 KEESARA SAILAXMAN REDDY 18891A0389 KONTHAM SHIVA KUMAR 18891A0390 M MANEESH 17891A03B7 V.NIKHIL KUMAR
Guide Name	**:**	Mr. SURAPPA
Abstract	**:**	This project aims to create an electromagnetic braking system model capable of applying brakes without any friction loss and without losing the energy supplied. Electromagnetic braking means applying brakes using electronic and magnetic power. Here we use the principle of electromagnetism to achieve friction less braking. This tends to increase the life span and reliability of brakes since no friction leads to less wearing out of brakes. Also it requires less maintenance and oiling.

Title of the Project	**: 15**	GEARLESS POWER TRANSMISSION
Student Details	**:**	18891A0391 Maila Shiva Kumar 18891A0392 M Guru Venkatesh Chowdhary 18891A0393 Masini Sudheer Reddy 18891A0394 Md. Jamaluddin 18891A0395 Nandagiri Mani Vikas Goud 18891A0396 Pakeer Sai Kiran Reddy
Guide Name	**:**	Mr. Surappa
Abstract	**:**	Today's world requires speed on each and every field. Hence rapidness and quick working is the most important. Now a days for achieving rapidness, various machines and equipments are manufactured by man. Engineer is constantly conformed to the challenges of bringing ideas and design in to reality New machine and techniques are being developed continuously to manufacture various products at cheaper rates and high quality. The project "Gearless Transmission" being compact and portable equipment, which is skill full and is having something practise in the transmitting power at right angle without any gears being manufactured.

Title of the Project	**: 16**	Fabrication of Stir Casting Setup
Student Details	**:**	18891A0397 Pamishetti Joseph Prudvi 18891A0398 N. Ravi Teja 18891A0399 R. Jashwanth Reddy 18891A03A0 Rohan Pati 18891A03A1 S. Vivek Vardhan Reddy
Guide Name	**:**	Mrs. M. Bhargavi
Abstract	**:**	In Metal matrix composites, the Aluminium Matrix Composites are gaining increasing attention for applications in aerospace, defence and automobile industries. The purpose of the current Paper is therefore aimed at highlighting the focus of the current research scenario, in the field aluminium based hybrid composites, to explore the materials for automotive and aerospace applications; this is achieved with the help of stir casting technique.

Title of the Project : 17 Design & Manufacturing of Piston with Composite Material

Student Details :

18891A03A2 Shik. Khajamoinuddin
18891A03A3 Sreenidhi Reddy
18891A03A4 T. Shiva Prasad
18891A03A5 Vakiti Vijay Reddy
18891A03A6 D. Vasanth Kumar

Guide Name : Mrs. M. Bhargavi

Abstract :

A piston is a component of reciprocating engines, reciprocating pumps, gas compressors and pneumatic cylinders, among other similar mechanisms. It is the moving component that is contained by a cylinder and is made gas-tight by piston rings Piston that transfer the combustive gases power to the connecting rod. To improve the efficiency of the engine there is a need to study about the piston. Pistons that are usually made up with alloy steels that show the grate resistant against thermal loads and structural loads. In the project we design a piston by using solid works 2016 design software and we did the structural load analysis and thermal analysis by applying various materials such as composites on piston in ansys workbench software.

Title of the Project : 18 Fire Fighting Robot

Student Details :

19895A0301 Jinna Prasad Nikhil Rao
19895A0302 Deekonda Nithin
19895A0303 Siddagoni Varun Goud
19895A0304 Punna Pavan Kumar
19895A0305 Dasari Ajith Chandra
19895A0306 Vankudoth Anand

Guide Name : Ms. P. Madhavi

Abstract :

Fire fighting is an important job but it is very dangerous occupation. Due to that, Robots are designed to find a fire, before it rages out of control. It could be used to work with fire fighters to reduce the risk of injury to victims. This paper presents the Fire Fighting Robot competition that purposely to simulate the real-world operation of an autonomous robot to rescue 10 victims (table tennis balls) and stop 5 fires (emergency candles) in a house within three minutes. The robot development is consisting of three elements which is the hardware, electronic, and programming.

Title of the Project : 19 Design & Fabrication of Carbon Capturing & Storage

Student Details :

19895A0307 Soppari Mahalakshmi
19895A0308 Muthyala Hari Chandana
19895A0309 B Tejaswini
19895A0310 Reddamoni Shireesha
19895A0311 Gardasu Swathi
19895A0312 Kollu Uday Kiran

Guide Name : Ms. P. Madhavi

Abstract :

Carbon capture and sequestration (or carbon capture and storage, CCS) is considered to be a critical strategy worldwide--and in Qatar as well--to limit carbon dioxide (CO2) emissions; the main greenhouse gases responsible for global warming. This work focuses on designing a simple device for CO2 capture that can be used in mobile systems like vehicles and ships. The device mainly consists of a compact cylinder filled with an absorbent solution for CO2 emissions. A distributor with a special design is used to increase the area of contact between CO2 gas and the solution in order to increase the absorbent efficiency. Figure 1 shows a schematic diagram of the test rig. Different materials that have high absorption characteristics of CO2, such as NaOH and MgOH, have been used to evaluate the device performance. At the first stage of this work, the CO2 emission has been simulated by injecting a mixture of CO2 and N2 into the device to be used as a proof of concept. A number of parameters, including absorbent material concentration and a mixture (CO2/N2) flow rate, are tested in order to reach the maximum absorption efficiency. CO2 percentage is measured at the entrance and exit of the device to calculate the absorbent ratio with the time. The second stage of this work will include testing the device within an actual internal combustion engine in order to evaluate the device under actual conditions.

Title of the Project : 20 Characterization of CFRP Composites

Student Details :

19895A0313 Marampally Dinesh
19895A0314 Maloth Bharath
19895A0315 Kunchala Bhargavaraju
19895A0316 Amgoth Laxmi Prasad Nayak
19895A0317 Badavath Chiranjeevi

Guide Name : Mr. Yadagiri

Abstract :

The limitation of non-destructive methods for the inspec tion of carbon fibre reinforced plastic (CFRP) composites is a major problem for many pr actical applications of the material, especially in the aircraft industry. This paper presents a study which is directed towards non-destructive characterization of CFRP using e ddy current methods. The relationship between the signal from different types of inductive probes and the microstructure of CFRP samples has been observed.

Title of the Project : 21 Fabrication of Hybrid Composites

Student Details :

19895A0318 Shaik Yaseen
19895A0319 Chintal Chitra Vardhan
19895A0320 Chunduri Manoj
19895A0321 Aare Upendar
19895A0322 G Rohit

Guide Name : Mr. Yadagiri

Abstract :

Hybrid composites are composite materials used when a material is required that has more than one property benefit from its constituent materials. The current research involves the fabrication of hybrid composite materials from a type of natural fibre being coconut/ coir fibre, using vacuum resin transfer moulding (VRTM). Epoxy resin was selected as the base matrix that would be used. The second reinforcements used to fabricate the hybrid composites were carbon nanotubes (CNT)

Title of the Project : 22 Fully Automated Solar Grass Cutter

Student Details :

19895A0323	Ayilu Rajendhar Goud
19895A0324	Jangam Pavan Sai
19895A0325	Jaini Sai Teja
19895A0326	Kodisela Mahesh
19895A0327	M Lakshmi Venkata Sai Kiran
19895A0328	S Naveen Kumar

Guide Name : Mrs. M. Radhika

Abstract :

The fully automated solar grass cutter is a fully automated grass cutting robotic vehicle powered by solar energy that also avoids obstacles and is capable of fully automated grass cutting without the need of any human interaction. The system uses 6V batteries to power the vehicle movement motors as well as the grass cutter motor. A solar panel is used to charge the battery so that there is no need of charging it externally. The grass cutter and vehicle motors are interfaced to an 8051 family microcontroller that controls the working of all the motors. It is also interfaced to an ultrasonic sensor for object detection. The microcontroller moves the vehicle motors in forward direction in case no obstacle is detected. On obstacle detection the ultrasonic sensor monitors it and the microcontroller thus stops the grass cuter motor to avoid any damage to the object/human/animal whatever it is. Microcontroller then turns the robotic as long as it gets clear of the object and then moves the grass cutter in forward direction again.

Title of the Project : 23 Fabrication of Kite Folding Mechanism

Student Details :

19895A0330	Bodige Manish Goud
19895A0331	Edulakanti Shashank
19895A0332	Kolanupaka Bhanu Prakash
19895A0333	Pulipaka Roheeth Kumar
19895A0334	Balla Srikanth
19895A0335	Kolagotla Nagarjuna Reddy

Guide Name : Mrs. M. Radhika

Abstract :

The internal folding structure of a flight kite is configured with a rib frame as the basis, and the rib frame is mounted inside a special exterior part of kite fabric, wherein the internal structure also provided with a central longitudinal frame which passes through the entire kite, the longitudinal frame provides support to tensioning racks provided with folding arms, the tensioning racks are connected with one end of the rib frame and can move in two directions, the tensioning racks are connected with a cord passing through the entire length of the kite, and a manual pulling ring is mounted at each end of the cord respectively. During the movement, when the frame is subject to a pulling force, the exterior part or the fabric of the kite is automatically unfolded, otherwise, the kite is automatically folded.

Title of the Project : 01 Dual Axis Solar Tracking Mechanism

Student Details :

16891A03A4	P Tarun Kumar Reddy
16891A03C3	Syed Arib Niyaz Ahmed
17891A0301	Addanki Surendra Chary
17891A0302	Adumala Yashwanth Reddy
17891A0303	Akiti Vamshidhar Reddy
17891A0304	Annampalli Sachin
17895A0321	Mathangi Naveen

Guide Name : Mr. Shiva Kumar

Abstract :

The main purpose of this project is to present a control system is to present a control system which will cause better alignment of photo voltaic (PV) array with sunlight and to harvest solar power . The proposed system changes its direction in two axis to trace the coordinate of two axis to trace the coordinate of sunlight by detecting the difference between position of sun and solar panel. Hardware testing of the proposed system is done for system ability to track and follow the sunlight in an efficient way. Dual axis solar tracking system is developed to capture maximum sun rays by tracking in four directions, one axis allows to move in left and Right and other axis is elevation and allows panel to move up and down. The tracking system consists of Aurdino controller, two motors with gearbox arrangement which are remain aligned with solar panel ,four sensors,which are mounted on the sides of the solar panel to allow determination accurate location the sun and PV Panel as a solar collector.

Title of the Project : 02 Voice Controlled Robotic Vehicle

Student Details :

17891A0305	Annavajjala Abhishek Sharma
17891A0306	Annavarapu Shanmukha Naveena Sai Ram Teja
17891A0307	Annoju Uday Kiran
17891A0309	Bachewale Adarsh
17891A0310	Bathula Pavan Kumar
17891A0311	Bonakurthi Mahendar

Guide Name : Mr. Shiva Kumar

Abstract :

Our proposed project aims at a robotic vehicle operated by human speech commands. The system operates with the use of a android device which transmits voice commands to an 8051 microcontroller to achieve this functionality. The transmitter consists of the android phone Bluetooth device. The voice commands recognized by the module are transmitted by through the Bluetooth transmitter. These commands are detected by the robotic vehicle in order to move it in left, right, backwards and front directions. The bluetooth receiver mounted on top of the vehicle is used to recognize the transmitted commands and decode them. After decoding these commands are passed on to the 8051 microcontroller. The microcontroller then drives the vehicle motors to move it accordingly. This is done with the use of a driver IC used to control the motor movements. The Bluetooth technology used to transmit and receive data allows for remotely operating the system within a good range.

Title of the Project : 03 Air Powered Car

Student Details :

17891A0312	Bollamoni Ganesh
17891A0313	Challa Akhil Chowdary
17891A0315	Cherku Sai Kumar
17891A0316	Cheruvu Venkata Sai Rama Krishna Chinmai
17891A0317	Chiramdasu Sanjay Kumar
17891A0318	D. Hanuman Choudary

Guide Name : Mr. M. Ashok

Abstract :

Light utility vehicles are ending up exceptionally well-known methods for autonomous transportation for short separations. Cost and contamination with petroleum and diesel are driving vehicle producers to create vehicles energized by elective energies. Designers are guiding their endeavors to make utilization of air as a vitality source to run the light utility vehicles. This air powered vehicle project, uses a pneumatic vehicle which consists of two pneumatic cylinders for continuous motion, with four free wheel sprockets and also a metallic chassis. This pneumatic car project is based on pneumatic power. It has two pneumatic cylinders which transforms linear motion into rotary motion. The vehicle consists of a chain drive which transmits mechanical power from one place to another. There is a point of interest in utilizing compacted air as a wellspring of vitality to run vehicles

Title of the Project : 04 Design & Amp; Analysis of LPG Gas Kit for A Dual Fuel Bike

Student Details :

17891A0320	Dasari Nikhil
17891A0321	Desham Harish Reddy
17891A0323	Dyapa Rohit Reddy
17891A0324	Elluri Puneeth
17891A0325	Erukula Kishore

Guide Name : Mr. M. Ashok

Abstract :

Bikes (two-wheelers) will continue to play a significant role in a human's life. Gaseous fuels such as liquefied petroleum gas (LPG) and liquefied natural gas (LNG) have been broadly used in commercial vehicles. In this, an experimental investigation of Liquefied Petroleum Gas (LPG) as an alternative fuel for a gasoline engine is evaluated. An effort has been made to use non-conventional fuel against conventional fuel which is becoming scarce and costly these days, as non-conventional fuel will lead to less polluted air than conventional fuel. It is also worthy of economic considerations and engine efficiency. In our paper, we have designed and installed LPG gas kit on a four stroke vehicle in which we can use both gasoline and LPG as fuel.

Title of the Project : 05 Battery Drive Motorized Agriculture Weeder

Student Details :

17891A0326 G Prem Sai
17891A0327 Gaddam Karthik Reddy
17891A0328 Gadi Deekshith
17891A0329 Grandhe Yaswanth Sai
17891A0330 Gudibanda Sumanth Reddy
17891A0331 Gummadi Manoj Kumar

Guide Name : Mr. Eswaraiah

Abstract :

Weed is a plant that is considered undesirable in a particular situation, it is basically "a plant in the wrong place". Weeds are needed to be controlled because it reduces crop quality by contaminating the commodity. Weeds reduce farm productivity, they invade crops, smother pastures and in some cases can be harmful for the livestock. They aggressively compete for water, nutrients and sunlight, resulting in reduced crop yield and poor crop quality. Weed control is one of the most difficult tasks on an agricultural farm. Mechanical weed control is easily adopted by farmers once they get convinced of its advantages. Motorized agriculture weeding machine not only uproots the weeds between the crops rows but also keeps the soil surface loose, ensuring better soil aeration and water intake capacity. Weeding by motorized.

Title of the Project : 06 Zero Friction Electromagnetic Braking System

Student Details :

17891A0332 Janugani Yashwanth
17891A0333 Kasarla Sathvik Reddy
17891A0334 Kasula Murali Krishna
17891A0336 Kodem Sai Kumar
17891A0338 Konda Tarun Kumar
17891A0339 Kondakindi Lokesh Reddy

Guide Name : Mr. Eswaraiah

Abstract :

Here we shows the demonstration of "The Frictionless Braking System Mechanical Project", where, it shows the Copper's surprising reaction to Strong Magnets. A friction-less braking system tends to increase life span and reliability of brakes since absence of friction leads to less wearing of brakes. Under operation it requires less maintenance and oiling as compared to other braking mechanisms. Our mechanism makes use of a well designed and fabricated assembly to demonstrate the concept. We make use of a copper brake drum with a chain sprocket based arrangement which is driven by a motor. The arrangement is fixed on a shaft arrangement rotating seamlessly on a bearing mounted arrangement to simulate a car wheel. The system is now integrated with a strong magnet arrangement. This double sided magnetic arrangement is used to simulate a brake paddle push. Once pushed it traps the brake drum in strong magnetic field and braking takes place.

Title of the Project : 07 Design and Fabrication of Magnetic Shock Absorber

Student Details :

17891A0340 Kothakapu Sai Prakash
17891A0341 Kusukunthla Chandrashekar Reddy
17891A0342 Kusukuntla Harsha Vardhan Reddy
17891A0343 Lingampally Nithin
17891A0344 Madam Bharath
17891A0347 Mankala Pranay Reddy

Guide Name : Mr. Vijay Kumar

Abstract :

In a vehicle, shock absorber reduces the effect of travelling over rough ground, without shock absorber the vehicle would have a bouncing ride, as an energy is stored in the spring and then released to the vehicle, possibly exceeding the allow range of suspension movement. Control of excessive suspension movement without shock absorption requires stiffer springs, which would intern gives a harsh ride. Shock absorber allows the use of soft springs while controlling the rate of suspension movement in response to bumps. In this project a new suspension system based on magnetic power which can be used in automobile in future. The suspension system consists of magnets freely moving inside the cylinder with their same poles facing each other. Since the magnetic poles repel each other while moving closer, the up and down spring action is obtained.

Title of the Project : 08 Multi Wheel Nut Remover and Tightener

Student Details :

17891A0348 Nambi Tharun
17891A0349 Pabbu Sai Kumar
17891A0350 Punreddy Sai Deepak Reddy
17891A0352 Ramavath Anjaneyulu
17891A0353 Sistla Nageshwar
17891A0354 Rudrarapu Nikhilendra Vara Prasad

Guide Name : Mr. Vijay Kumar

Abstract :

This project aim is to design and fabrication of Multi Nut Opener and tightener for tightening and removing of four nuts altogether. With the increment of number of car on the road, the number of cars problem due to tyre failure has increased. Often, the car is provided with tyre wheel nuts remover and jack for instance spare tyre replacement. Nevertheless, due to difficulty in applying torque to remove nut and to save a time. We develop tool having a gear mechanism. In our project we are tried to focus on the minimization of human effort for fixing all for nuts of 100mm PCD wheel .The main objective of work is to develop a single tool, which can be made use during assembling and disassembling of wheels in automobiles. It can be successfully used as standard tool irrespective of the model of the vehicle. Also it can be used garages, workshops and service stations. The remover is designed to be ergonomic to be used, easy maintenance, easy storage, easy to handled and able to remove all nuts at once.

Title of the Project : 09 Study on Non-Newtonian & Ferro (Magnetic) Fluids

Student Details :

17891A0356 Sarnala Tarun Teja
17891A0357 Seetamraju Siva Rama Krishna Sarma
17891A0358 T Yashwanth
17891A0359 Tammineni Naveen Kumar
17891A0360 Vanam Prakash

Guide Name : Mr. Dr. Singarvel

Abstract :

A non-Newtonian fluid is a fluid that does not follow Newton's law of viscosity, i.e., constant viscosity independent of stress. In non-Newtonian fluids, viscosity can change when under force to either more liquid or more solid. Many salt solutions and molten polymers are non-Newtonian fluids, as are many commonly found substances such as custard, honey, toothpaste, starch suspensions, corn starch, paint, blood, and shampoo. Most commonly, the viscosity (the gradual deformation by shear or tensile stresses) of non-Newtonian fluids is dependent on shear rate or shear rate history. A ferrofluid or ferromagnetic fluid is a liquid that becomes strongly magnetized in the presence of a magnetic field. Ferrofluids are colloidal liquids made of nanoscale ferromagnetic, or ferrimagnetic, particles suspended in a carrier fluid (usually an organic solvent or water). Each tiny particle is thoroughly coated with a surfactant to inhibit clumping..

Title of the Project : 10 Steam Powered Electricity Generator

Student Details :

17891A0361 Akula Srinath Kumar
17891A0362 Bhavaraju V S Kausik
17891A0363 Boppidi Karthik Reddy
17891A0364 Uppu Sumith
17891A0365 Chinthala Akhila Reddy
17891A0366 Chitti Shiva Santhosh
17891A0367 Guda Anil Kumar
17891A0368 E Venkatesh
17891A0369 Eluri Karthik
17891A0370 Epuri Pravalika
17891A0372 G N Sai Teja
17891A0373 G Vamshi Kumar Reddy

Guide Name : Mr B. Pavan Chandu

Abstract :

Steam can be used for electricity generation using very low power using some heat from a candle using this mechanism. Our system demonstrates the use of this concept using a smartly designed mechanical generator. Our generator consists of a narrow funnel based container that is used to store water. This container is treated as a boiler. The heated boiler boils the water and pusher out steam with this pressure. Now we use a motor generator with a custom designed propeller blade. This blade moves due to the pressurized steam force and in turn runs the generator motor. Thus an electric current is generated in this motor and is available at output.

Title of the Project : 11 Industrial Robot

Student Details :

17891A0374	Gangapuram Divya
17891A0375	Gangapuram Kavya
17891A0376	Ganji Sai Teja
17891A0379	Hanamshetty Vishal Kumar
17891A0380	Inavolu Lokesh Kumar
17891A0383	Kallepalli Ajay Krishna
16891A0384	Kandula Swapna

Guide Name : Mr. Sadanandam

Abstract : It is known as re-programmable multi-functional manipulator. A robot is also known as the intelligent connection between perception and action. Designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks, which also acquire information from the environment and move intelligently in response. Laws of Robotics. A robot may not injure a human being or, through inaction, allow a human being to come to harm. A robot must obey orders given to it by human beings, except where such orders would conflict with the First Law. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

Title of the Project : 12 Powerful 4 Rocket Launcher

Student Details :

17891A0384	Kancharla Santhosh Reddy
17891A0385	Kandhati Shashi Kumar
17891A0386	Karike Naveen Kumar
17891A0387	Komerelly Naveen Reddy
17891A0389	Konduru Prudhvi
17891A0390	M. Nanesh

Guide Name : Mr. Sadanandam

Abstract : A rocket launcher is a device that launches an unguided, rocket-propelled projectile, although the term is often used in reference to mechanisms that are portable and capable of being operated by an individual. Components used in powerful rocket launcher :- 4Medical syringe,lighter,2copper wires, soldering machine cardboard, scissors, glue stick, wood pieces, driller.

Title of the Project : 13 Pipe Inspection Robot

Student Details :

17891A0391	Mandugula Mithilesh Goud
17891A0392	Mettu Srinivas Reddy
17891A0393	Mohammed Riyaz
17891A0394	Mokkapati Krishna Chaitanya
17891A0395	Nanda Sreenu
17891A0396	Naresh Kumar Narla
17891A0397	Pendyala Mithilesh
17891A0398	Penti Rajarshi
17891A03A0	Ravella Sai Ram
17891A03A1	Reddy Guru Sourabh
16891A0313	Ch. Jayaraj

Guide Name : Mrs. Ch. Saikrupa

Abstract : Now a day's every system is automated in order to face new challenges. Automated systems have less manual operations, so that the flexibility, reliabilities are high and accurate. Due to this demand every field prefers automated control systems. Especially in the mechanical field automated systems are doing better and giving good performance. Pipelines have been an integral part of our constructions for many centuries. However, need to be maintained, and the cost of maintenance continues to increase. Robots have been considered as an attractive alternative, and many different types of pipeline robots have been proposed in the past. Unfortunately many of them work under only very restricted environments such as customized pipelines or can

traverse through only a simple pipeline structure due to wired control. In this project "PIPE INSPECTION ROBOT" is a project which gives the scope of monitoring the pipe inner section with webcam. Here we are trying to control the directions of the ROBOT and at the same time we are trying to monitor the inspection process with the help of ROBOT webcam with a new wireless technology "ZIGBEE".

Title of the Project : 14 Design, Fabrication and Control of a Hexapod Robot

Student Details :

17891A03A3	Seelam Praveen Goud
17891A03A4	Solipuram Abhinay Reddy
17891A03A6	Syed Abrarhasan Faizan
17891A03A7	Tadakamalla Sai Chandra
17891A03A8	Tallapally Harshitha
17891A03A9	Thatikanti Aakash
17891A03B2	Vangala Sai Varun Reddy
17891A03B4	Yarra Sathya Sri
17891A03B5	Yasani Sukumar Reddy
18895A0345	Ramisetty Sravya

Guide Name : Ms. Navaneetha

Abstract : The aim of the project is to build a six legged walking robot that is capable of performing basic mobility tasks, such as walking forward and backward. The legs of the robot would have 'one' degree of freedom each. This robot would serve as a platform upon which ,additional sensory components could be added or programmed to perform increasingly complex motions. When modified ,it can be used in the field, in defence ,handling technology manufacturing automation ,machine tools etc.The robot is designed to be used for both off-ad and on road applications.

Title of the Project : 15 Thermo Electric Cooler

Student Details :

17891A03C1	Amaranayani Prashanth
17891A03C2	Amgoth Sumanth
17891A03C3	Tejavathu Rama Krishna
17891A03C4	Banoth Shyamprasad
17891A03C5	Bhattaram Venkata Sai Karthik
17891A03C6	Bheemanolla Praveen Kumar Reddy

Guide Name : Mr. N. Leela Prasad

Abstract : It is basically a reverse Peltier dvice used for spot cooling purpose. A working device is prepared to demonstrate the cooling effect.

Title of the Project : 18 Automated Coconut Scraping Machine

Student Details :

18895A0301	Nakka Pramodh Kasyap
18895A0303	Medaboina Srikanth
18895A0311	Tantarapalli Bhanuprakash
18895A0312	Kaitha Rakesh Reddy
18895A0313	Mohammad Waseem
18895A0314	Jorrigala Mukesh
18895A0315	Jaala Shashiveeth Yadav
18895A0316	Koluguri Mohan

Guide Name : Mr. N. Venkateshwarlu

Abstract : Coconut is widely used in food Industry within industrial food plants as well as at homes. Scraping coconuts is quite a time consuming task. Manually doing so requires a lot of efforts and is not so economical. So here we propose an automated coconut scraping machine project. It provides fine scraped coconut as desired for food preparation and requires no manual effort. It also does this work in a fraction of time. The system uses a shaft with holder to hold half cut coconut in place. This holder shaft is held in place by mounts designed for it. Also a frame is made to hold the entire mechanism. On the other side has another shaft that is mounted horizontally with scraping tool attached

to it at one end. At the other end it has a motor attached to the shaft. The motor is powered by our electrical circuit to move the scraper tool and the coconut can be pushed against it to achieve coconut scraping in a short time without much manual effort.

Title of the Project : 19 Pulse Jet Engine

Student Details :

18895A0317	M Shashi Kumar
18895A0318	Krishna Dungavath
18895A0319	Kumbham Sushmanth Goud
18895A0320	Manne Kumar
18895A0321	Bunga Praveen
18895A0322	Chavala Vamshi Krishna
18895A0323	Sankoju Rakesh
18895A0324	Samala Sai Kumar
18895A0325	Dava Nava Sai Kishore
18895A0327	Pandugula Rama Krishna
18895A0328	Gaddala Ravindra
18895A0329	Korakoppula Naveen Kumar

Guide Name : Mr. Gurushankar

Abstract :

The pulse jet engine is an intermittent, compressor less aerodynamic power plant, with few or none of the mechanical features of conventional aviation power plants.

In its simplest form, the operation of the pulse jet depends only on the properties of atmospheric air, a fuel, a shaped tube and some type of flow-check valve, and not on the interposition of pistons, impellers, blades or other mechanical part whose geometry and motion are controllable. The pulse jet differs from other types of air breathing engines, in that the air flow through it is intermittent. It can produce static thrust.

Title of the Project : 20 **Fabrication of an Automated Collison Avoidance System using Ultrasonic Sensor**

Student Details :

18895A0330	Ayyaparaju Rohit Varma
18895A0331	Valamula Anil Kumar
18895A0332	Gopu Raj Kumar
18895A0333	Vankadoth Raj Kumar Naik
18895A0334	Putikelapudu Vengal Rao
18895A0335	Vankudoth Santhosh
18895A0336	B Jagadeesh Goud
18895A0337	Karantoth Bharath Rathod
18895A0338	Pashikanti Rohit
18895A0340	Varasa Santhosh Kumar
18895A0341	Gunti Prudhviraj
18895A0342	Kasaraneni Vasudeva Rao
18895A0343	Routhu Abhilash Patel
18895A0344	Vuppula Preetham Chary

Guide Name : Mr. Sarath Chandra

Abstract :

Vehicle accidents are ubiquitous in recent years. This is because of heavy increase in population of vehicles, due to its high demand. They pose a serious threat to life and property. A system must be designed to minimize the effects of these accidents. The aim of the present study is to design a device which can successfully scan the surroundings during driving and apply brake to avoid front end collision of the vehicle, along with extension of bumper. Ultrasonic sensor provided on the front end of the vehicle detects the presence of the obstacle.

Title of the Project : 21 Sprocket Chain Vehicle

18895A0302 G. Adhi Sheshagiri Rao
18895A0304 Y. Sai Kumar
18895A0305 K. Rahul Yadav
18895A0306 G. Naresh
18895A0307 P. Karrnakar Reddy
18895A0308 E. Mukesh
18895A0309 Y. Gopinath
18895A0310 B. Srikanth Yadav

Guide Name : Mr. G. Nagesh

Abstract : An automotive chain sprocket or an automotive sprocket wheel is a specific wheel type with teeth or cogs, which intermesh with a chain, track or other perforate material. Automotive chain sprockets are in fact a wheel type on which radial projections allow a chain to pass over them.

Title of the Project	:	Faraday's Guitar
Student Details	:	18891A0401 Algubelly Likitha 18891A0402 Andoju Vaishnavi 18891A0403 Angoth Sai Kumar 18891A0404 Appireddy Lokesh Kumar Reddy
Guide Name	:	N. Koteswaramma
Abstract	:	An electronic circuit that demonstrates Faraday's law of electromagnetic induction and gives musical output. The law talks about electromagnetic induction and production of electromotive force (EMF) across a conductor when it is exposed to a varying magnetic field. To experience this, place a stretched copper wire near a magnet. When you pluck the wire and it vibrates, EMF is produced in the copper wire and it produces musical notes. While strumming the string, a small voltage is produced due to Faraday's law. When this voltage is amplified, you can hear a pleasant sound from the speaker connected to the power amplifier.

Title of the Project	:	Laser Security System
Student Details	:	18891A0405 Aviraboina Rakesh 18891A0406 Ayush Agarwal 18891A0407 Bojja Tejaswi 18891A0408 Brandi Saikarthik Goud
Guide Name	:	N. Koteswaramma
Abstract	:	Laser based Security System is a type of security and alarm system that uses laser light and a light sensor. A security system protects our homes, offices, banks, lockers etc. from intrusion and unauthorised access. There are different types of security systems available and laser based security system is an important and efficient type.

Title of the Project	:	Interfacing APDS960 RGB and Gesture Sensor with Aurdino
Student Details	:	18891A0409 D. Sai Pavan Reddy 18891A0410 C. Yamini 18891A0411 Parapatla Vishal Phani 18891A0412 Ch. Sudheera
Guide Name	:	K. Murali Chandra Babu
Abstract	:	Today most of the phones come with gesture control feature to open or close any app, start music, attend calls etc. This is a very handy feature to save time and it also looks cool to control any device with gestures. We previously used accelerometer to build gesture controlled robot and gesture controlled Air mouse. But today we learn to interface a gesture sensor APDS9960 with Arduino. This sensor also has a RGB sensor to detect colors, which will be also used in this tutorial. So you don't need to use separate sensors for gesture and color detection, although a dedicated sensor for color detection is available- TCS3200 color sensor which we have already used with Arduino to build a color sorter machine

Title of the Project	:	IR Thermometre using Aurdino and Infrared Temp Sensor
Student Details	:	18891A0413 Chintada Bharath Kumar 18891A0414 Miryala Saraswathi 18891A0415 Dakoji Rakesh 18891A0416 P. Mahendra Reddy
Guide Name	:	K. Murali Chandra Babu
Abstract	:	When debugging an electronics circuit or testing a new hardware design, often times I tend to check if the components on the board are getting hot abnormally by touching them. And if something is messed up (which usually is in the first try) these components could get as hot as 80°C or more burning not only the component but also my finger along with it. After burning my fingers for more times than I could remember I decided to build my own Temperature Gun using Arduino and an Infrared Temperature Sensor

Title of the Project	:	Automatic car Parking using Embedded system
Student Details	:	18891A0417 G. Naga Sai Srinivas 18891A0419 Gadipally Mounika 18891A0420 Gangula Vinay Kumar 18891A0421 Gangapuram Sreedeeksha
Guide Name	:	Naveen Kumar
Abstract	:	As we see in the modern world everything is going automatic we have built a system which will automatically sense the entry and exit of cars with the help of microcontroller through the gate and then display the number of cars in the parking lot. We have deployed a microcontroller 89S52 which is used to sense the movement of cars and depending upon whether there is a capacity of cars to enter, it either opens the gate or not. There is also RFID module to provide security as users who have authority can swap the RFID cards and get entry otherwise not. The project is designed for car parking. The goal is to automatically park the car for allowing the cars into the parking area. LCD display is provided to display the information about the total number of cars that can be parked and the place free for parking. Two IR sensors TX RX pairs are used in this project. to identify the entry or exit of the cars into/out of park. These two IR sensor TX RX pairs are arranged either side of the gate. Whenever the mains are switched on, the LCD panel displays the message parking space for 3 vehicles. The number indicates the maximum capacity of parking in this project.

Title of the Project	:	Alchohal Breath Analyser
Student Details	:	18891A0422 Giragani Sai Kumar 18891A0423 Guduguntla Swapna 18891A0424 K. Chinmaya Datta 18891A0425 K. Himaja Sri Bhargavi
Guide Name	:	P. srinivasu
Abstract	:	The effects of consumption of alcohol even in small amounts are noticeable. When consumed in large quantities, alcohol can act as a sedative and can depress the central nervous system. Alcohol is very quickly absorbed in to blood and the amount of alcohol in blood reaches peak after an hour of drinking an alcoholic beverage. Hence, blood alcohol test is the easiest and fastest way to determine whether a person is in legal levels of consumption or intoxicated. The main reasons for testing blood alcohol level are: to check the alcohol content in blood of legally drunk suspects, to test for alcohol content in blood when consumption is prohibited like in under aged people and other medical reasons like finding the cause of altered mind. Breath Alcohol Tester is a device that is used to indicate or estimate the blood alcohol content of a person. The general term for this device is Breathalyzer or Breath Analyzer.

Title of the Project	:	Electronic Watch dog Protect
Student Details	:	18891A0426 A. Jana Kiram Chowdhary
		18891A0427 K. Shiresha Yadav
		18891A0428 K.Venkata Sai
		18891A0429 Kontham Sai Pradeep
Guide Name	:	P. srinivasu
Abstract	:	Traditionally and even now many people have pet dogs stationed at their entrance. The purpose of the dogs is that they bark whenever a person enters through the door. This is what names this project as Electronic Watch Dog Project as it performs the same task of detecting the presence of a person at the entrance of a premises.

Title of the Project	:	Intermediate Level Indicator using Aurdino
Student Details	:	18891A0431 Manajipeta Bhanu Prakash Reddy
		18891A0432 Maddula Venkata Reshma
		18891A0433 Madhagoni Srikanth
		18891A0434 Mandadi Preethi Reddy
Guide Name	:	K. Vittal
Abstract	:	In this Arduino based Intermediate level indicator and controller project we are going to measure the water level by using ultrasonic sensors. Basic principal of ultrasonic distance measurement is based on ECHO. When sound waves are transmitted in environment then they return back to the origin as ECHO after striking on any obstacle. So we have to only calculate its traveling time of both sounds means outgoing time and returning time to origin after striking on any obstacle. And after some calculation we can get a result that is the distance. This concept is used in our water controller project where the water motor pump is automatically turned on when water level in the tank becomes low. You can also check this simple water level indicator circuit for a simpler version of this project.

Title of the Project	:	Home Security using Embedded device
Student Details	:	18891A0435 Marepally Sreevalli
		18891A0436 Matta Bhargavi
		18891A0437 Molugu Akshay Kumar
		18891A0438 Mudumba Venkata Vasudev
Guide Name	:	K. Vittal
Abstract	:	Detecting motions or movements has always been important in most projects. With the help of the PIR Sensor it has become very easy to detect human/animal movements. In this project we will learn how we can interface a PIR Sensor with a microcontroller like Arduino. We will interface an Arduino with PIR module and blink a LED and beep a Buzzer whenever a movement is detected. The following components will be needed to build this project.

Title of the Project	:	Obstacle Detection using Embedded Platform	
Student Details	:	18891A0439	N. Keerthi
		18891A0440	Nadella Swetha
		18891A0441	Neeluru Manjunatha
		18891A0442	Nikhil Kumar Reddy Gade
Guide Name	:	K. Kiran	
Abstract	:	This system consists of an ultra-sonic sensor and Arduino,these are the major components of the system. Basic working of the system is that it have to detect objects in its defined range. Ultra-sonic sensor is attached to the servo motor it rotates about 180 degree and gives visual representation on the software called processing IDE. Processing IDE gives graphical representation and it also gives angle or position of the object and distance of the object. This system is controlled through Arduino. Arduino UNO board is sufficed to control ultrasonic sensor and also to interface the sensor and display device. While researching, we learned about existing navigation and obstacle detection innovations and different systems where ultrasonic sensors are used efficiently. Main application of this project comes into different field of navigation, positioning, object identification, mapping, spying or tracking and different applications. These less investment system are also suitable for indoor applications.	

Title of the Project	:	Obstacle avoidance robot	
Student Details	:	18891A0443	Nimmala Sai Charan
		18891A0444	Noothi Praneeth
		18891A0445	P.Sai Tharuni
		18891A0446	Pasunuri Yashwanth
Guide Name	:	K. Kiran	
Abstract	:	It describes about an obstacle avoidance robot vehicle which is controlled by ultrasonic sensor. The robot is made using ultrasonic sensor and it is controlled by Arduino microcontroller. Ultrasonic sensor fixed in front portion of the robot vehicle. The sensor gets the data from surrounding area through mounted sensors on the robot. The sensor is sense the obstacle and deviate its path to choose an obstacle free path. The sensor will be send the data to the controller is compared with controller to decide the movement of the robot Wheel. The robot wheel movement and direction will be based on the sensing of the ultrasonic sensor and also using a wheel encoder. This vehicle is used for detecting obstacle and avoiding the collision. We have programmed the controller to be used with ANDROID app.	

Title of the Project	:	Bike Turning Signal Circuit	
Student Details	:	18891A0447	Pavan Kumar
		18891A0448	Pininti Anusha
		18891A0449	Puli Pranay Kumar
		18891A0450	Puliyala Harsha Vardhan Reddy
Guide Name	:	N. Raju	
Abstract	:	To design a simple Bike Turning Signal Circuit using 555 Timer IC, couple of LEDs and a few other easily available components. Turn Indicator Lights also known as Directional Indicators (formally) or Blinkers, Flashers (informally), are an essential part all automobiles whether a bike or a car. They inform other road users our intent to turn left or right. There are several regulations and standards that manufacturers must comply with while designing and integrating Turn Lights on to a vehicle. Bike Turning Signals are used to indicate the intent of left turn or right turn to other users of the road. Have you ever tried to design bike turning indicators? This article explains you how to design these bike turning indicators.	

Title of the Project	:	30 Minute Timer Circuit using IC555&IC755
Student Details	:	18891A0451 Ranga Bhuvan Kumar 18891A0452 Sheik Shabana 18891A0453 Sunkari Varsha 18891A0454 Survi Shiva Priya
Guide Name	:	N. Raju
Abstract	:	A timer is constructed which make a count down from 30-minute mark to the 0-minute mark. 555 timer IC is used in the timer circuit. This IC when used as an oscillator, provides time-delays. 555 Timer operates in three modes – A-stable, Monostable, and Bistable modes. For 30 Minute Timer circuit, 555 IC is operated in Monostable mode. In this mode, the output of 555 IC has two states – a stable state and unstable state.

Title of the Project	:	Fire alarm using Thermistor and IC555
Student Details	:	18891A0455 Tanveer Singh 18891A0456 Thiramdasu Rajashree 18891A0457 Panaganti. Bhaskara Chary 18891A0458 B. Divya Sai
Guide Name	:	K. Ruchira
Abstract	:	If we search for fire alarm circuits on internet, we can find a long list of such circuits. Most of those circuits are quite expensive and also the components may not be easily available. So, here we have presented a simple and inexpensive project of 'fire alarm using thermistor and NE555'. Where thermistor is the main component and is used as temperature sensor of fire alarm. Talking about the working principle of thermistor, it works in the same way a normal LDR would work i.e. change resistance with change in heat where as LDR change resistance with change in the amount of light falling on it.

Title of the Project	:	Tone Control for Guitar Amplifier using IC741
Student Details	:	18891A0459 Konda Samarasimha Reddy 18891A0460 Vallapu Praveen Kumar 19895A0401 Cilla Shyam Kumar 19895A0402 Prabaliti Mohammed Raheem
Guide Name	:	K. Ruchira
Abstract	:	Simple guitar amplifier circuit consist bass and treble circuit which is not appropriate. A sophisticated guitar amplifier must contain individual control for very string. Here is simple tone control circuit for guitar which has individual string control with bass and treble facility. The circuit of tone control for guitar amplifier is build around two most popular and low cost op-amplifier IC 741. This circuit is designed to control tone of 6-band of frequency 40Hz, 155 HZ, 625 Hz, 2.5 KHz and 10 KHz respectively. This frequency is control by variable resistor VR1 to VR6.

Title of the Project	:	Panic Alarm	
Student Details	:	19895A0403	Bathini Mahesh
		19895A0404	Moiydha Komali
		19895A0405	Mandadi Srikar Reddy
		19895A0406	Karnati Keerthi
Guide Name	:	G. Sushmitha	
Abstract	:	To design and build a simple Panic Alarm Circuit using 555 Timer IC and a few other easily available components. This circuit can be used to activate an alarm in case of any emergencies. There can be any sudden situation of panic. It could be because of an intruder entering our house or bad health status. Situations can be many for panicking and may vary from person to person. During such emergencies, we might be unable to intimate to the people around us. In this article we shall see how to make a simple panic alarm, which can help us to intimate others regarding our bad situation without any delay.	

Title of the Project	:	TESLA Coil	
Student Details	:	18891A0461	A N S M. Srinivas
		18891A0462	Aitipamula Srinath
Guide Name	:	B. Rathnakanth	
Abstract	:	The first system that could wirelessly transmit electricity, the Tesla coil was a truly revolutionary invention. Early radio antennas and telegraphy used the invention, but variations of the coil can also do things that are just plain cool — like shoot lightning bolts, send electric currents through the body and create electron winds. These conventional transformers can't withstand the high frequency and high voltage that the looser coils in Tesla's invention can tolerate. The concept behind the coil is actually fairly simple and makes use of electromagnetic force and resonance. Employing copper wire and glass bottles, an amateur electrician can build a Tesla coil that can produce a quarter of a million volts.	

Title of the Project	:	Automatic plant irrigation system	
Student Details	:	18891A0463	Akula Sowmya
		18891A0464	B.Ramya
		18891A0465	Badugu Lokesh
		18891A0466	Banoth Akshaya
Guide Name	:	P. Sandeep	
Abstract	:	It useful watering plants automatically without any human interference. We know that people do not pour the water on to the plants in their gardens when they go to vacation or often forget to water plants. As a result, there is a chance to get the plants damaged. This project is an excellent solution for such kind of problems. In this project IC 555 is used to generate required time when to turn on the pump and when to turn off the pump. When soil is dry the pump is on and soil is wet the pump will be off.	

Title of the Project	:	Speed Checker Using IC555
Student Details	:	18891A0467 Boora Goutham 18891A0468 Boya Aksharajyothi 18891A0470 Chinthapally Sai Nikitha 18891A0471 Burra Manish Goud
Guide Name	:	P. sandeep
Abstract	:	While driving on highways, motorists should not exceed the maximum speed limit permitted for their vehicle. However, accidents keep occurring due to speed violations since the drivers tend to ignore their speedometers. This speed checker will come handy for the highway traffic police as it will not only provide a digital display in accordance with a vehicle's speed but also sound an alarm if the vehicle exceeds the permissible speed for the highway.

Title of the Project	:	Mini Audio Amplifier
Student Details	:	18891A0472 P. Akshitha Reddy 18891A0473 Dommata Harshini Reddy 18891A0475 Gadiraju Aishwarya 18891A0476 Gandla Shivani
Guide Name	:	G. sushmitha
Abstract	:	Mini Audio amplifier Circuits comes into play whenever we like to take music wherever we go. These kind of mini audio amplifier will make the music system light and can be moved from one place to another. Also these kind of amplifiers will reduce the cost without compromising the performance of the music system. The above system was built using a mono BTL output amplifier IC TDA7502.

Title of the Project	:	Detection and Alram of Drizzle
Student Details	:	18891A0477 Ganji Bhaskar 18891A0478 Gunda Vinay Kumar 18891A0479 Gundoju Lokesh Chary 18891A0480 Gunja Pavan Kumar
Guide Name	:	P. Upender
Abstract	:	Water is a basic need in every one's life. Saving water and proper usage of water is very important. Here is an easy project which will give the alarm when there is rain, so that we can make some actions for rain water harvesting and also save the rain water for using it later. With the help of saving this rain water through rain water harvesting, we can increase the levels of underground water by using underwater recharge technique. Rain water detector will detect the rain and make an alert; rain water detector is used in the irrigation field, home automation, communication, automobiles etc. Here is the simple and reliable circuit of rain water detector which can be constructed at low cost.

Title of the Project	:	Control Four Appliances with a Touch Switch Panel
Student Details	:	18891A0481 J.Sahil 18891A0482 Jakkani Varsha 18891A0483 Jakkidi Nikhitha 18891A0484 Jalagam Likhitha
Guide Name	:	Ch. Sudhakar
Abstract	:	It is based on a capacitive touch sensor for controlling four electrical appliances. Toggle switches have been used for operating lights or fans, and momentary press switches for operating electric doorbells. Most of these switches are mechanical and susceptible to damage through dirt, moisture or mishandling. Some touch switches are designed beautifully, making them aesthetically-pleasing and blend with the room decor. But, commercially-available touch switches are costly. The circuit presented here is low-cost and easy to build.

Title of the Project	:	Protect yourself with the Noise level Monitor
Student Details	:	18891A0485 K Datta Sai Thrishul 18891A0486 K. Shiva Nagesh 18891A0487 Kalluri Bhavana 18891A0488 Kasam Akhila
Guide Name	:	Ch. Sudhakar
Abstract	:	Arduino-based noise/sound level monitor that displays sound levels in decibels (dB) and corresponding voltage levels on an LCD. A noise monitoring system is used in many applications such as healthcare, defence, mining, robotics and so on. This circuit is especially designed for noise monitoring in public places such as parties and marriage functions. The hearing capability of a person is around 80dB—sounds above this can cause hearing loss if high sound levels or volume are played for long.

Title of the Project	:	Night Vision Equipment Using IR torch and camera
Student Details	:	18891A0489 Ketha Akhila 18891A0490 Vaddi Bhuvaneswari 18891A0491 Kulsum Shireen 18891A0492 Kumbham Shirisha
Guide Name	:	Vikas Kumar Tiwari
Abstract	:	The aim of this project is to design and develop night vision equipment using a torch light made of IR LEDs and a camera. This project can primarily be used by defense services, to find foes during the evening. It can additionally be utilized for the mobility of the seekers and nature lovers through the forested areas during the evening. Following are some different uses of the night-vision: Law-Enforcement, Wildlife Observation and Security.

Title of the Project	:	Police Siren circuit using NE555 Timer
Student Details	:	18891A0493 Lakshmi Meghana Korrapati 18891A0494 M Uday Kumar Reddy 18891A0495 K.Venkat Nithish Kumar 18891A0496 Maddoju Sanjay Bhargav
Guide Name	:	Natasha Saude
Abstract	:	To design a simple Police Siren Circuit using NE555 Timer IC. A siren is a loud and a typical sound making device. It is used to alert the persons and to attract the moment various vehicles mounted with sirens used, for example, VIP's, and in vehicles such as ambulances, police cars and fire trucks. This circuit is used to generate a police siren sound using a Simple NE555 timer and a speaker. The NE555 timer IC is the popular chip due to its multi-functionality and which finds use in a wide range of applications ranging from industrial, critical power electronics areas and much more.

Title of the Project	:	Autoamtic light fence circuit with alram using IC555
Student Details	:	18891A0497 Uppu Chandu 18891A0498 Muddagouni Jagadeesh Goud 18891A04A0 V. Abhishek Reddy 18891A04A1 P. Thapan
Guide Name	:	G. Venu
Abstract	:	Light fence circuit is used to detect the presence of any human or object in a particular area. The detecting range of Light Fence Circuit is about 1.5 to 3 meters. It's quite simple to design the circuit using LDR and Op-amp. This portable circuit can work smoothly with a commonly available 9V battery and the alarm sound generated from the buzzer is loud enough to detect the presence of a human, vehicle or object.

Title of the Project	:	Laser security alram circuit using IC555 and LM358
Student Details	:	18891A04A2 Paila Anil Kumar Reddy 18891A04A5 Pullemla Suryateja 18891A04A6 Ravula Nikhil Reddy 18891A04A7 Sajjala Poojith Reddy
Guide Name	:	G. Venu
Abstract	:	Security is main concern for various buildings, houses and offices. For this purpose, there are a variety of security alarms available in market which uses various types of technology for intruder detection like infrared sensors, motion sensors, ultrasonic sensors, laser sensors, etc. We have also built some security alarms like this PIR sensor based motion detector and burglar alarm circuit. In this circuit we are going to build a laser security alarm which uses a laser light and a laser light detector circuit. It gets activated when someone crosses it.

Title of the Project	:	Electronic motor controller
Student Details	:	18891A04A8 Singamshetti Pravalika 18891A04B0 T V V S Ajay Kumar 18891A04B1 Thota Ruchitha 18891A04B2 Unnam Anuhya
Guide Name	:	V. Shankar
Abstract	:	This electronic circuit is designed for controlling the motor using electronic devices. It is more efficient than any electromechanically controlling device. This project is also designed to eliminate the problems of noise triggering and noise pulses. These types of electronic projects are very simple and easy to be constructed and implemented. Here, we have demonstrated lamp intensity control instead of motor control.

Title of the Project	:	Home air quality monitoring system
Student Details	:	18891A04B3 Nukala Likith Reddy 18891A04B4 V.Anusha 18891A04B5 V. Sai Kaushal 18891A04B6 Vaddepally Sainath
Guide Name	:	A. Dhanaraju
Abstract	:	Deteriorating air quality all over the globe due to industrial and vehicular pollution, there is an increasing risk of breathing problems and lung diseases arising from it. To take action against air pollution we must first start by realizing the amount of air pollution and then go after its sources. This requires monitoring air quality at each and every house so that we can actually measure it ourselves and then go for its source. To measure the air quality in the apartment, this air quality monitoring system can be used. This air quality detector not only measures the Carbon Dioxide (CO2) level in the air, but also measures the level of humidity and temperature both inside the room and outside environment. This project consists temperature, humidity sensor and CO2 sensor. These sensors are attached with the system inside the room to calculate the room temperature, humidity and CO2 and also on the roof of the house to calculate the atmosphere temperature, humidity and CO2. It also has LCD attached to it which displays the value of the temperature, humidity and CO2 levels measured.

Title of the Project	:	Arduino based sun tracking solar panel
Student Details	:	18891A04B7 Vallapu Pravallika 18891A04B8 Vijayagiri Sreeja 18891A04B9 Y. Yeshwanth Babu 18891A04C0 V. Sai Srikanth
Guide Name	:	B. Meenaiah
Abstract	:	we are going to make a Sun Tracking Solar Panel using Arduino, in which we will use two LDRs (Light dependent resistor) to sense the light and a servo motor to automatically rotate the solar panel in the direction of the sun light. Advantage of this project is that Solar panel will always follow the sun light will always face towards the sun to get charge all the time and can provide the supply the maximum power. The prototype is very easy to build. Below you will find the complete description of how it works and how the prototype is made.

Title of the Project	:	PIR sensor based security alram using Arduino
Student Details	:	19895A0407 Kandikatla Ravalika 19895A0408 Donthoju Niteesh Kumar 19895A0409 Tinglekar Bharath Raj 19895A0410 Bochkar Pranay
Guide Name	:	Natasha Saude
Abstract	:	The main idea of the circuit is to provide security. This is based on PIR sensor with an IC that produces siren. The PIR sensor detects the IR radiations emitted from the humans and it produces a digital output. This digital output is applied to the Arduino UNO. Based on the digital signal from the PIR Sensor, Arduino UNO then triggers the UM 3561 siren IC. Thus it produces the sound when any human is detected. The UM3561 is a ROM IC. It generates multi siren tones like ambulance siren, fire engine siren, police siren, machine gun sound.

Title of the Project	:	Iriigation system Running on solar power
Student Details	:	19895A0411 Kandala Jyothsna 19895A0412 Guntipelly Venu 17891A04A1 Nadimpallybil Bilvanth Reddy 17891A04B8 V. Shiva Ram Reddy
Guide Name	:	A. Dhanaraju
Abstract	:	The system is an automatic irrigation system where the irrigation pump is operated from solar energy. It becomes tedious to manually operate the irrigation system and keep monitoring the water level of the soil. Hence the system uses solar power by using photo-voltaic cells instead of commercial electricity. The project requires an op-amp IC that acts as comparator and senses the soil moisture level. To measure the soil moisture content two copper wires are inserted into the soil at a certain distance. The sensors send the data to microcontroller which is interfaced to relay driver IC that initiates relay to operate pump motor to switch ON/OFF and the status of the pump is displayed on a LCD screen.

Title of the Project	:	Shadow Sensor Alram
Student Details	:	18891A04C1 A Tejaswi 18891A04C2 Ake Sharanya 18891A04C3 B. Bharath Kumar 18891A04C4 J Raghavi
Guide Name	:	Dr. P. A. Hrasha Vardhini
Abstract	:	The circuit of a simple burglar alarm that produces a loud beep when somebody crosses a protected area or door. The circuit is highly sensitive and can detect the shadow of the moving person from a distance of 1 meter. It does not require an aligned light beam to make the circuit standby. It is portable and can be places anywhere for monitoring.

Title of the Project	:	Rain Sound Generator -Sleep Aid in case of Insomnia
Student Details	:	18891A04C5 Battu Rajesh Reddy 18891A04C6 Bollishetty Chandana 18891A04C7 Ch. Kranthi Vardhan Reddy 18891A04C8 C. Ravi Teja
Guide Name	:	Dr. P. A. Hrasha Vardhini
Abstract	:	Insomnia treatment consist mostly of sleeping pills consumption but this circuit is an alternative for that and consists of a simple circuitry that generates a rain sound effect. With the help of this simple circuit we can generate the rain sound. T1 is used as a noise generator and its signal is amplified by the 741 IC and thru T2, R7 and C4 goes to a headset with low resistance. Headphones can be replaced with a speaker with impedance between 4 and 16 Ω. With the help of P1 can adjust sound level and with P2 the tone.

Title of the Project	:	Wireless switch circuit using CD4027
Student Details	:	18891A04C9 Chada Adithi 18891A04D0 Chanaram Manisha 18891A04D1 Dhanukonda Sri Pooja 18891A04D2 Elisetty Venkata Ravi Tarun
Guide Name	:	K. Yadaiah
Abstract	:	An interesting way to control any device like a Light Bulb for example. The method implemented here involves a Wireless Switch Circuit where when you slide our hand in front of the circuit, the device (like Lamp) will be turned ON and if you slide you hand once again, the device will be turned OFF. Using this simple Wireless Switch Circuit, you can avoid the dangers of having physical contact with the switches.

Title of the Project	:	Simple IR Audio link circuit
Student Details	:	18891A04D3 G.Venkata Rohith 18891A04D4 Gajula Pranava 18891A04D5 Gudipalli Leela Venkata Subba Rayudu 18891A04D6 Gudipati Likhitha
Guide Name	:	K. Yadaiah
Abstract	:	To design a Simple IR Audio Link circuit, which is used to transmit audio signals wirelessly. This IR audio link is able transmit audio signals for short distances. The audio signal which is to be transmitted is applied at the base of the transistor in Transmitter section. An 8 speaker or head phone is connected at the receiver section to listen to the transmitted signal.

Title of the Project	:	Metal detector using 555 timer
Student Details	:	18891A04D7 Gujjula Likhitha 18891A04D8 Linga Nikhitha Reddy 18891A04D9 J Suma 18891A04E0 K Apoorva
Guide Name	:	R. B. Kalyani
Abstract	:	We can find a metal detector at airports, theaters and various other public places. They are used for the safety of people to detect anyone carrying a metal (Arms etc). In this project we are going to design a simple metal detector circuit. There are so many metal detector designs but most of them are complex in design so here we are going to design a simple metal detector circuit using 555 Timer IC.

Title of the Project	:	Magenetic door alram circuit using Hall sensor
Student Details	:	18891A04E1 K.Varsha 18891A04E2 K. Gayathri 18891A04E3 K. Sai Teja 18891A04E4 Mehek Varshney
Guide Name	:	K. R Anudeep Laxmikanth
Abstract	:	A Hall sensor is a device which can detect the presence of a magnet based on its polarity. It is a transducer which generates a signal according to magnetic field present near it. Here we have used 3144 Hall Effect Sensor which has a range of about 2cm.As the name suggests the Hall Effect sensor works with the principle of “Hall effect”. According to this law “when a conductor or semiconductor with current flowing in one direction was introduced perpendicular to a magnetic field a voltage could be measured at right angles to the current path”. Using this technique, the hall sensor will be able to detect the presence of magnet around it. We have previously Interfaced Hall sensor with Arduino and made few projects using Hall sensor.

Title of the Project	:	Labview and Arduino based Automatic light
Student Details	:	18891A04E5 Karatam Sai Chandra Sailaja 18891A04E6 Karnati Vaishnava Sai Anutej 18891A04E7 Kongari Sowmya 18891A04E8 Lakham Shiva Shankar
Guide Name	:	V. Prakasam
Abstract	:	This project describes the design of automatic light controller in Labview, LDR connected to arduino and LDR reading are fed to Labview and can find the intensity of light, If the light intensity goes below the set level all the lights turned ON and Turn OFF if the intensity level is HIGH.

Title of the Project	:	Power efficient mini inverter
Student Details	:	18891A04E9 K. Madhu Spoorthy

	18891A04F0	Mahajan Satvika
	18891A04F1	Damaracharla Gowtham Kumar
	18891A04F2	V Pallavi
Guide Name	:	G. Mahender
Abstract	:	The power electronics device which converts DC power to AC power at required output voltage and frequency level is known as inverter. Inverters can be broadly classified into single level inverter and multilevel inverter. Multilevel inverter as compared to single level inverters have advantages like minimum harmonic distortion and can operate on several voltage levels. Inverters are used for many applications, as in situations where low voltage DC sources such as batteries, solar panels or fuel cells must be converted so that devices can run off of AC power. One example of such a situation would be converting electrical power from a car battery to run a laptop, TV or cell phone.

Title of the Project	:	Speed control DC motor using pulse width modulation
Student Details	:	18891A04F3 Gutha Nithin Reddy
		18891A04F4 Nallapu Rahul Varma
		18891A04F5 Nampally Rashmitha
		18891A04F6 Vinnakota Sathya Deep Koundinya
Guide Name	:	G. Mahender
Abstract	:	DC Motor can be implemented using 555 and Pulse Width Modulation (PWM). We use DC Motors in many systems in our day to day life. For example, CPU fans, fume extinguishers, toy cars etc. are all DC Motors which are operated by DC power supply. Most of the times we will have to adjust the speed of the motors as per our requirement. A CPU Fan for example, must be operated at high speed when the CPU is preforming heavy tasks like games or video editing. But for normal usage like editing documents, the speed of the fan can be reduced. Although some systems have an automatic adjustment system for fan speed, not all systems possess this functionality. So, we will have to adjust the speed of the DC Motor ourselves occasionally.

Title of the Project	:	Polarity cum continuity tester circuit
Student Details	:	18891A04F7 Ch. Reethika Reddy
		18891A04F8 P. Naga Sai Laxmi Deepak
		18891A04F9 P. Prathueshwar Sharma
		18891A04G0 P. Rohith Kumar
Guide Name	:	Syed Sultan Mahmood
Abstract	:	This circuit which tests continuity of the circuit along with the polarity of the components. The polarity of lots of components viz diodes, LED comprises Zener diode as well as infrared LED can be tested with the help of this very simple circuit. Although it happens many times that people are not being able to discovered the polarity of any component and mount them wrong in the circuit which leads to damage of the component or may damage the entire circuit. The continuity of any circuit can also be tested with the help of this circuit, i.e. it also works as a Continuity Tester.

Title of the Project	:	Non -contact voltage tester
Student Details	:	18891A04G1 Pagilla Jagadeesh 18891A04G2 Peddi Niharika 18891A04G3 Potluri Sai Sanjay 18891A04G4 Rapolu Sanjana
Guide Name	:	Syed Sultan Mahmood
Abstract	:	It is a Do-it-yourself project that you can build using very simple components and test the presence of voltages. Since it is a non contact voltage tester, you need not worry about getting zapped. a simple battery powered Non Contact Voltage Tester Circuit that can be used to verify the presence of voltage near all the above mentioned places.

Title of the Project	:	Battery voltage monitor
Student Details	:	18891A04G5 Rodda Varsha 18891A04G6 S.Shivanadh 18891A04G8 Telukuntla Pravalika 18891A04G9 Telukuntla Saisri
Guide Name	:	G. Nava Bharath Reddy
Abstract	:	This electronic project is used to monitor the charging and discharging of the battery such that the battery voltage doesn't exceed the specific level of that battery. It basically acts as a controlled battery charger. It indicates the state of the battery.

Title of the Project	:	Ding Dong sound generator door Bell using 555
Student Details	:	18891A04H0 Vengaladasu Divya 18891A04H1 Mamidi Pavan 18891A04H2 K.Manvitha 18891A04H3 Koukuntla Akash Reddy
Guide Name	:	K.R Anudeep Laxmikanth
Abstract	:	Door Bells are available in lot of variations in market which generate different sounds but the most common sound of a Door Bell is "Ding Dong", so this time we have decided to make a Door Bell Circuit with a Ding Dong sound by using 555 timers.

Title of the Project	:	Photodiode based fire detector
Student Details	:	18891A04H4 Ravula.Lohith Kumar Kurma 18891A04H5 Narendra Baleboina 18891A04H6 Shaik Naseer Ahmad 18891A04H7 Guniganti Saresh
Guide Name	:	P. Sandeep
Abstract	:	This ultra-sensitive photodiode based fire detector protects your electronic devices like computer and television set. It uses a photodiode as the fire sensor and sounds an alarm immediately on sensing a spark or fire in the power supply section of the instrument and instantly cuts off the power supply. The circuit exploits the photovoltaic property of the photodiodes to sense a fire.

Title of the Project	:	Clap Controlled LED light Arduino
Student Details	:	19895A0413 Marvadi Swamy 19895A0414 Gotte Kavya 19895A0415 Lone Ramya 19895A0416 Nirasanametla Mahendar
Guide Name	:	Shiva Rama Krishna
Abstract	:	Clapping hands together switches an LED on or off in this Arduino breadboard project for beginners. The sound made by clapping is detected by an electret microphone connected to one of the Arduino analog input pins. The first time that the clap is detected by the Arduino, an LED will be switched on. The second time that a clap is detected the LED will be switched off. This is an easy and fun project for beginners and kids.

Title of the Project	:	Automatic rain sensing wiper circuit using IC555 timer
Student Details	:	19895A0417 Patteti Vijaya Laxmi 19895A0418 Guttikonda Bhavana 19895A0419 Bochu Naresh 19895A0420 Kolanu Venu Madhav 19895A0421 Damma Sumanth
Guide Name	:	Shiva Rama Krishna
Abstract	:	We have seen Automatic Wiper System in luxury cars where Windshield Wiper automatically gets activated when there is Rain or if there is some water on the windshield. Electronic Wiper is very common device that is attached in every car to wipe the water on the windshield during the rain. But generally they are manually operated and we need to switch them ON manually. But today we are going to build Automatic Rain Sensing Car Wiper System using 555 Timer IC. This circuit automatically detects the rainfall and activates the wiper to clear the windscreen.

Title of the Project	:	LABVIEW & Arduino based automatic light control
Student Details	:	16891A0488 M Manoj 17891A0401 Gajula Vandhana 17891A0402 Amaravadi Sri Krishna 17891A0403 Anumula Prathyusha
Guide Name	:	V. Praksam
Abstract	:	

Title of the Project	:	LABVIEW &Arduino based Fire detection &alram
Student Details	:	17891A0404 Athinarapu Raju Sagar 17891A0407 C Sai Charan Reddy 17891A0408 Chakravarthula Jithendhra 17891A0409 Chanagani Mounika
Guide Name	:	V. Praksam
Abstract	:	This describes the design of a fire detection and alarm with Arduino-based system. This is mainly used for house safety where the main point is to avoid the fire accidents occurred to the residents and the properties inside the house as well. This project is useful for home based fire security and the similar fire detecting applications.

Title of the Project	:	Interfacing of Zigbee with Firebird –V
Student Details	:	17891A0410 Cherak Shravya 17891A0411 Chilakamarri Srinikethan Nydhruva 17891A0412 Chimmula Prasanna 17891A0413 Chityala Sharon Nissi
Guide Name	:	Vikas Kumar Tiwari
Abstract	:	The aim of this project is to interface a Zigbee communication module to

Firebird-V robot which can be used various applications. As the interfacing zigbee module with Firebird-V, provides a remote access to maneuver the ROBOT. This can be used in unmanned defense and rescue operations.

Title of the Project	:	Object height measurement and display using Firebird-V
Student Details	:	17891A0414 Gavini Deepthi 17891A0415 Gunaganti Manojsahith Goud 17891A0416 Gunji Kishore Kumar 17891A0417 Jilla Shashidhar
Guide Name	:	Vikas Kumar Tiwari
Abstract	:	The aim of this project is to interface a Sharp IR to Firebird-V robot which can be used various application; In areas such as industry, agriculture, defense and especially in disaster management and rescue operations. The robot can be programmed (with the help of various sensors onboard/off board) to identify different objects. Sharp IR sensor (available onboard) can be used to detect the height of the objects over the wide range 10cm-80cm. These sensors are wired to the GPIO input pins of the Firebird-V. The Firebird-V then uses an embedded C algorithm to check whether the GPIO pins connected to the corresponding sensors receives correct voltage level (Logic Level) upon detecting this, Firebird then displays the measured value on the On-board LCD. This can be used improved as industry application.

Title of the Project	:	Identify Friend or Foe using Drone
Student Details	:	17891A0418 Kakani Deepika Chowdary 17891A0419 Kancharlapalli Aasritha 17891A0420 Kankipati Venkata Naga Sai Harshavardhan 17891A0422 Katta Tejaswini
Guide Name	:	Dr. N. Dinesh Kumar
Abstract	:	This project is used to detect the person is a friend or an enemy at military campus using RF communication. This communication between the military officers or a drone and the X person who is unidentified. The drones consists of the RF-signals ejecting guns which will transmit a encrypted message to the person and the person should reply using a highly secure pass code using his RF device. If the data is matched the person is a friend, otherwise the signals are sent the control room that there is an emergency.

Title of the Project	:	Data transmission using LI-FI
Student Details	:	17891A0423 Kodam Sai Kiran 17891A042 Kommineni Lahari 17891A0425 Konda Sai Teja 17891A0426 Kurumella Keerthi
Guide Name	:	Natasha Saude
Abstract	:	This project gives information about the data transmission using LiFi Technology. LiFi is Light Fidelity. LiFi basically is a Wireless Communication Technology which uses Visible Light for Data transmission. LiFi is designed to use LED Light Bulbs similar to those present in our homes and offices. Minimum speed of LiFi is 1Gbps. Here electric signals corresponding to sound is fed to Lamp driver consists of Op Amp and transistor. Then the signal is modified and amplified simultaneously. Modulated signal is sent into the air as light using LED. At the receiver end photo detector is used to receive transmitted signal. Received data after processing and amplification is fed to Speaker.

Title of the Project	:	Arduino RADAR System
Student Details	:	17891A0427 Kusukuntla Nikhitha 17891A0428 Lagisetty Sai Prabhu

		17891A0429	Lingala Varun
		17891A0430	Madavapeddy Siva Manogna
Guide Name	:	K. Naveen Kumar	
Abstract	:	The Arduino Radar Project is more of a visual project than it is a circuit implementation. Of course, I will be using different hardware like Arduino UNO, HC-SR04 Ultrasonic Sensor and a Servo Motor but the main aspect is the visual representation in the Processing Application.	

Title of the Project	:	IOT Weather Reporting System	
Student Details	:	17891A0431	Madireddy Sharanya
		17891A0432	Mali Jashwanth Reddy
		17891A0433	Mallepalli Rishika
		17891A0434	Mamidala Pavani
Guide Name	:	A. Dhanraju	
Abstract	:	Here we propose a smart weather reporting system over the internet. Our proposed system allows for weather parameter reporting over the internet. It allows the people to directly check the weather stats online without the need of a weather forecasting agency. System uses temperature, humidity as well as rain sensor to monitor weather and provide live reporting of the weather statistics. The system constantly monitors temperature using temperature sensor, humidity using humidity sensor and also for rain. The system constantly transmits this data to the microcontroller, which now processes this data and keeps on transmitting it to the online web server over a wifi connection. This data is live updated to be viewed on the online server system. Also system allows user to set alerts for particular instances, the system provides alerts to user if the weather parameters cross those values. Thus the IOT based weather reporting system provides an efficient internet based weather reporting system for users.	

Title of the Project	:	Get Notifyed by Email SMS When Pulse is Abnormal	
Student Details	:	17891A0435	Managari Shivani
		17891A0436	Mettu Vinaya
		17891A0437	Nakka Tirdhankari L Bhavani Shankari
		17891A0438	Nalla Sahithi
Guide Name	:	Meenaiah	
Abstract	:	24x7 heart rate monitoring devices like fitness bands are common in the market right now and you might even own one or two even!. What if you could make a similar device but can also send you an SMS or email or both if there is an abnormality detected in your Heart rate? Excited? This project is all about how to get that done in the easiest way possible.	

Title of the Project	:	Arduino RFID door lock	
Student Details	:	17891A0439	Nanjuti Bhavani
		17891A0440	Nomula Prudhvi Reddy
		17891A0441	P Adarsh
		17891A0442	Pallerlamudi Mohana Sruthi
Guide Name	:	K.Vittal	
Abstract	:	RFID Door Lock Mechanism in some Hotels and other places, where you don't need a key to unlock the room. You are given a card and you just need to put it in front of a RFID Reader box, and the lock gets unlocked with a Beep and a Blink of LED. This RFID Door Lock can be made easily at your home and you can install it in any door. These Door lock is just electrically operating door lock which gets open when you apply some voltage (typically 12v) to it.	

Title of the Project	:	Automatic Street Light Controller using Relay and LDR

Student Details	:	17891A0443	Panuganti Kumar
		17891A0444	Pathri Phaneendhar
		17891A0445	Polu Tharun Kumar Reddy
		17891A0446	Puttapaka Sai
Guide Name	:	G. Mahender	
Abstract	:	Many people have a phobia of darkness, so to assist them in such situations, we have explained a simple circuit that will automatically turn on the street light consisting of LEDs or bulb coupled with relay. It is lit well enough to see the objects nearby.This circuit is very easy to work around and also it is battery operated. The power consumed by the circuit is very low because of the very few components used in the circuit. The whole circuit is based on IC LM358, which is basically an operational amplifier that is configured in a voltage comparator. LDR (Light depending resistor), whose resistance is based upon the quantity of the light falling on it, is the main component for sensing the light. Along with these, a few more components are also used.	

Title of the Project	:	Using MATLAB to measure the diameter of an Object within an Image	
Student Details	:	17891A0448	Ratakonda Bhavya
		17891A0449	Shaik Saleem Pasha
		17891A0450	Kadarib Raamya
		17891A0451	Thangella Aravind Siddhartha
Guide Name	:	G.NavaBharath Reddy	
Abstract	:	MATLAB script file to import an image, segment the image in order to isolate the desired object from its background and then use the MATLAB functions that come with the Image Processing Toolbox to determine the objects diameter. It is assumed in this Application Note that the reader has a basic knowledge of MATLAB.	

Title of the Project	:	Resource allocation in LTE	
Student Details	:	17891A0452	V Gauthami
		17891A0453	V Laasya Sri
		17891A0455	Vallakati Shiva
		17891A0456	Vanam Pavan Kalyan
Guide Name	:	G.NavaBharath Reddy	
Abstract	:	Resource Allocation Type specifies the way in which the scheduler allocate resource blocks for each transmission. Just in terms of flexibility, the way to give the maximum flexibility of resource block allocation would be to use a string of a bit map (bit stream), each bit of which represent each resource block. LTE introduces a couple of resource allocation types and each of the resource allocation type uses a predefined procedures. There are three different resource allocation types in LTE, Resource Allocation Type 0, 1, 2.	

Title of the Project	:	Design and Analysis of Printed Yagi-Uda Antenna for Wireless Communication Applications
Student Details	:	17891A0461 Annampelly Bhargav Sai 17891A0462 Appan Kandadai Krishnasri 17891A0463 Arudra Deepthi 17891A0464 B R Rohit
Guide Name	:	Dr.SiddannaGauda
Abstract	:	The extensive and intensive expansion of wireless communication systems has directed to a raising request for antennas that can be printed on a substrate. The printed antenna has broad applications due to light weight, low profile, small volume, easiness to fuse with communication system, and other system. Using microstrip circuits, size of Yagi-Uda antenna can be designed in "mm" dimension as compared to the Yagi-Uda design formed from large conducting wires. In this work the structure of antenna which has a no of element consists of director and reflector as well as parasitic elements. The roll of elements is same as it is in case of TV Yagi Uda antenna. These types of printed yagi-uda antennas find their use in many applications such as industrial, medical, radar, automobile and wireless communications.

Title of the Project	:	Design multiband micro-strip antenna for IOT applications
Student Details	:	17891A0465 Baddam Deepak Reddy 17891A0466 Bandaru Vinodh Kumar 17891A0467 Bandela Poojitha 17891A0468 Bombothula Dhananjay Goud
Guide Name	:	Dr.SiddannaGauda
Abstract	:	The accelerating progress of wireless communications they must support the rising demand for high data rates due to the rapid increase in devices, hence it is necessary to provide small size and multiband antennas for Internet of Things (IoT) applications. IoT will provide a platform to allow big data transfer mechanism and communication between people and devices, for various scenarios such as environmental monitoring, smart cities, smart healthcare, home appliance, military/defense, and so on which provide high quality of life in society.

Title of the Project	:	Solar Tracker using Arduino
Student Details	:	17891A0469 Chennamoni Manasa 17891A0470 Ennewar Sai Krishna 17891A0471 G Gowtham Reddy 17891A0473 Girkati Santhoshini
Guide Name	:	B.Rathnakanth
Abstract	:	The solar tracker can be controlled automatically with the help of Light Dependent Resistor (LDR) sensors or manually using a potentiometer. Moreover, this test bench provides virtual instrumentation based on Excel in which its solar tracker data can be recorded and presented. The hardware used has been chosen to be inexpensive, compact and versatile. The proposed test bench is designed to help students develop their understanding of control theory and their application.

Title of the Project	:	Third Eye for the Blind
Student Details	:	17891A0474 Gubba Sowmya 17891A0475 Guje Saketh 17891A0476 Guttha Nikhil Reddy 17891A0477 K Preethi Reddy
Guide Name	:	B.Rathnakanth
Abstract	:	Third eye for people who are blind is an innovation which helps the blind people to navigate with speed and confidence by detecting the nearby obstacles using the help of ultrasonic waves and notify them with buzzer sound or vibration. They only need to wear this device as a band or cloth.

Title of the Project	:	Door Locking using Ultrasonic Sensors
Student Details	:	17891A0478 Kammampati Sri Latha 17891A0479 Nimmala Sneha 17891A0480 Kancharla Nikhitha 17891A0481 Kandada Sai Vignesh
Guide Name	:	P.Upender
Abstract	:	An automatic door control system includes a sensor for sensing person or object approaching door. Systems and methods are very common in the art for opening and closing doors to enter and exit buildings, facilities etc. Automatic doors are commonly found in retail stores, supermarkets, and the like. The project generally relates to an automatic opening and closing of door which will sense person or object approaching door and open automatically. This system is controlled by Arduino micro controller. The system includes DC motor which makes door to slides during opening or closing by rack and pinion gearing, a LCD to display information state of door, an audio buzzer to make sound through the duration of opened door and a controller for controlling the opening and closing of the door as a person or object detected by sensor.

Title of the Project	:	Device Controlling Troug PC
Student Details	:	17891A0482 Kandala Vaishnavi 17891A0483 Kaniganti Manoj 17891A0484 Karnekanti Maannasa 17891A0485 Kasibatla Sai Alekhya
Guide Name	:	P.Upender
Abstract	:	It is a Windows-based equipment controller project that can control up to eight electrical devices using a personal computer. Connecting a computer to external devices is becoming essential in our day-to-day life for automation. But to communicate to a device we need a common communication protocol such as a serial COM port, USB or wireless connectivity. Here we have used the serial communication protocol to control the devices.

Title of the Project	:	Object Detection using Ultrasonic Sensors
Student Details	:	17891A0487 Pisati Sahithi 17891A0488 Kavuri Sai Krishna 17891A0489 Bejju Shivani 17891A0490 Kothireddy Sardhar Reddy
Guide Name	:	P.srinivasu
Abstract	:	This is an efficient way to measure small distances precisely. In this project, we have used the HC-SR04 Ultrasonic Sensor with Arduino to determine the distance of an obstacle from the sensor. The basic principle of ultrasonic distance measurement is based on ECHO. When sound waves are transmitted in the environment then waves return back to the origin as ECHO after striking on the obstacle. So we only need to calculate the traveling time of both sounds means outgoing time and returning time to origin after striking on the obstacle. As the speed of the sound is known to us, after some calculation we can calculate the distance.

Title of the Project	:	Food Monitoring using Embedded Platform
Student Details	:	17891A0491 Kunapuli Venkata Sairam 17891A0492 M Sampurna 17891A0493 M V N R Sankeerthana 17891A0494 Manthapuram Bhavana
Guide Name	:	D Kiran Kumar
Abstract	:	Food safety and hygiene is a major concern in order to prevent the food wastage. The Quality of the food needs to be monitored and it must be prevented from rotting and decaying by the atmospheric factors like temperature, humidity and dark. Therefore, it is useful to deploy quality monitoring devices at food stores. These quality monitoring devices keep a watch on the environmental factor that cause or pace up decay of the food. Later, the environmental factors can be controlled like by refrigeration, vacuum storage etc.

Title of the Project	:	Density based Traffic Light Controller using Arduino
Student Details	:	17891A0495 Marneni Joseph Nithin 17891A0496 Medagam Bhanu Sri 17891A0497 Mekapothula Sai Tejaswini 17891A0498 Moltati Sai Kumar
Guide Name	:	K.Naveen Kumar
Abstract	:	The main purpose of this project is, if there will be no traffic on the other signal, one shouldn't wait for that signal. The system will skip that signal and will move on the next one. Arduino is the main part of this project and it will be used to read from ultrasonic sensor HC-SR04 and calculate the distance. This distance will tell us if any vehicle is near the signal or not and according to that the traffic signals will be controlled.

Title of the Project	:	Arduino based Motion Sensor light Circuit
Student Details	:	17891A0499 Muttavarapu Sai Vennela
		17891A04A0 Ch Seshi Reddy
		17891A04A4 Nelakurthy Sahana
		17891A04A5 Paddam Jogaiah
Guide Name	:	Ch.Sudhkar
Abstract	:	An accelerometer can be used in a car alarm application so that dangerous driving can be detected . It can be used as a crash or rollover detector of the vehicle during and after a crash. With signals from an accelerometer, a severe accident can be recognized. According to this project when a vehicle meets with an accident immediately Vibration sensor will detect the signal or if a car rolls over, an Micro electro mechanical system(MEMS) sensor will detects the signal and sends it to ARM controller. Microcontroller sends the alert message through the GSM MODEM including the location to police control room or a rescue team. So the police can immediately trace the location through the GPS MODEM, after receiving the information. Then after conforming the location necessary action will be taken.

Title of the Project	:	Automatic Medicine Reminder using Arduino
Student Details	:	17891A04A6 Pagidala Srikanth
		17891A04A7 Pagidimarri Sai Meghana
		17891A04A8 Palcham Shiva Kumar
		17891A04A9 Peddapurapu Nehanjali
Guide Name	:	A.Navya
Abstract	:	When it comes to our loved ones, we always want to stay them healthy and fit. But what will happen if they get ill and forget to take medicine on time. We would be worried, right? At hospitals, there are many patients and it is difficult to remind every patient to take medicine on time. The traditional ways require human efforts to remind to take medicines on time. The digital era doesn't follow that and we can use machines to do that. The application of Smart Medicine Reminder is very wide and can be used by patients at home, doctors at hospitals and at many other places. When it comes to reminding, there can be many ways to remind it.

Title of the Project	:	Arduino based Currency Counter using IR and Color Sensor
Student Details	:	17891A04B0 Pennisetti Nagarajya Santosh Kumar
		17891A04B2 Reena Reddy Jonnala Gadda
		17891A04B4 Talasila Sindhu
		17891A04B6 Uppalapati Tarun Sai
Guide Name	:	A.Navya
Abstract	:	we are going to work on an innovative arduino project idea, where we can count the paper currency notes and calculate their amount, by sensing the paper currency using Color Sensor and Arduino. TCS230 color sensor will be used for detecting the currency notes and, Arduino UNO for processing the data and showing the remaining balance on 16x2 LCD.

Title of the Project	:	Power LED Auto Intensity Control using Aurduino and LDR
Student Details	:	17891A04B7 Vanaparthi Bharath 17891A04B9 Vineeth Kumar V 17891A04C0 Yelampalli Preethi
Guide Name	:	K.Ruchira
Abstract	:	Auto Intensity Control of Street Lights is a simple project where the intensity of the street lights is automatically controlled based on the sunlight conditions. Generally, street lights are turned on during evening time and will continue to glow till morning. This might result is unnecessary usage of power as the lights will be glowing at full intensity all the times. But using the Auto Intensity Control of Street Lights using Arduino project, you can control the intensity based on the ambient lighting conditions. As an additional power saving feature, I have used LEDs for street lights.

Title of the Project	:	Juicer Deck using Arduino
Student Details	:	17891A04C1 Anugu Harshitha 17891A04C2 Apoorva Goud 17891A04C3 Bandari Srija 17891A04C4 Bikkasani Sree Charan
Guide Name	:	Dr.N .Dinesh Kumar
Abstract	:	The aim of the project is to mix different liquids at desired concentrations. Differentpersons have different tastes, so by using this mixer they can make or prepare their ownjuice by just giving their instruction to device. This is a time saving process and it avoidshuman interruption to mix.The system designed here is very useful for mixing of drinks to make cocktails and anyother mixing of different liquids for other purpose also. Here we have small tumbler inwhich all the different liquids/drinks are present. Then by giving input to the machinethrough keyboard the liquids will be pumped into large tumbler. This pumping of liquids isdone by water pumps. Then when again input is given through keypad the motor runs andthe stirrer rotates and mixes the products

Title of the Project	:	Automatic voltage control using IC741
Student Details	:	17891A04C5 Bilakanti Yoga Nrusimhaa 17891A04C6 Bodduna Sreekar 17891A04C7 Ch Vaishnavi 17891A04C8 Chadalavada Durga Chandhan
Guide Name	:	N. Raju
Abstract	:	Along with the modernization, people are more prone to the comfort zone. Several inventions have been made to meet this requirement. Following the same trend, here we have presented a simple circuit; automatic light operated switch using LDR and IC741. People are really busy, every second has vital role in our busy schedule.Why shall we waste our valuable time turning on every switch in the building. The situation turns more troublesome when one needs to reach the ground floor just because it's getting dark and she or he needs to turn on the light. The importance of this circuit; automatic light operated switch is much felt in such traumatic situations.

Title of the Project	:	EBI TH Glasses
Student Details	:	17891A04C9 Cheruku Naveen 17891A04D0 Chittari Pravalika Nagaraju 17891A04D1 Devarakonda Prasannanjaneya Kumar 17891A04D2 Dikshitha Banda
Guide Name	:	N.Koteswaramma
Abstract	:	The market for wearable devices such as smart watches and smart lasses continues to grow rapidly. Smart glasses are attracting particular attention because they offer convenient features such as hands-free augmented reality (AR). Since smart glasses directly touch the face and head, the device with high temperature has a detrimental effect on human physical health. This paper presents a thermal network model in a steady state condition and thermal countermeasure methods for thermal management of future smart glasses. It is accomplished by disassembling the state by wearing smart glasses into some parts, creating the equivalent thermal resistance circuit for each part, approximating heat-generating components such as integrated circuits (ICs) to simple physical structures, setting power consumption to the heat sources, and providing heat transfer coefficients of natural convection in air.

Title of the Project	:	Ardino Air Quality Monitor with MQ 135
Student Details	:	17891A04D3 Dongala Bhavan Reddy 17891A04D5 Gayam Hari Priya 17891A04D6 Gudibandla Sahithi 17891A04D7 Kadari Akash
Guide Name	:	V. Shankar
Abstract	:	The level of pollution has increased with times by lot of factors like the increase in population, increased vehicle use, industrialization and urbanization which results in harmful effects on human wellbeing by directly affecting health of population exposed to it. In order to monitor In this project we are going to make an IOT Based Air Pollution Monitoring System in which we will monitor the Air Quality over a web server using internet and will trigger a alarm when the air quality goes down beyond a certain level, means when there are sufficient amount of harmful gases are present in the air like CO2, smoke, alcohol, benzene and NH3. It will show the air quality in PPM on the LCD and as well as on webpage so that we can monitor it very easily

Title of the Project	:	Air Interfacing Mouse
Student Details	:	17891A04D8 Kanchutambham Bala Satya Sai Durga 17891A04D9 Karnam Sai Vamsi 17891A04E0 Kavide Sneha 17891A04E1 Kolapalli Sai Tejaswini
Guide Name	:	Shiva Rama Krishna
Abstract	:	With the day to day advancements in technology, the interaction between the human and the digital world isdiminishing. The main aim of this project is to work with accelerometer sensors and translate the motion or the tilt ofthe hand into various applications in virtual world. The advancement of technology in the field of wireless made itpossible for any applications. Gesture based operation of electrical appliances is becoming increasingly desiredtechnology. Here we are using accelerometer sensor in order to translate the hand motions or tilts into virtual world.

Title of the Project	:	Auto intensity controlled of lights using Micro controller
Student Details	:	17891A04E2 Kondabolu Rishitha 17891A04E3 Maddoju Jyothsna Sai 17891A04E4 Muppidi Lavanya 17891A04E5 Naga Sirisha Malle
Guide Name	:	K. Yadaiah
Abstract	:	This paper demonstrates an easy, tough and energy efficient street light intensity control system which does not need much maintenance. The concept is sensing the brightness in the surrounding environment and controlling the intensity of street lights accordingly. LDR Sensor is affixed to sense the luminosity in the environment. The system uses Arduino, a MOSFET is used for controlling the intensity of LEDs. A cluster of LEDs acts as a streetlight. The system is more dependable than systems with time slots and requires less perpetuation as compared to other available systems.

Title of the Project	:	Low Cost Versatile Hand Mixer
Student Details	:	17891A04E6 Naini Varun Kumar Reddy 17891A04E7 Naraboina Navya 17891A04E8 Navari Sai Vardhan Reddy 17891A04E9 Nerusu Guru Preetham
Guide Name	:	K.R. Anudeep Laxmikanth
Abstract	:	Mixing liquids using a muddler or churner is a traditional technique. However, it is time-consuming and sometimes fails to mix these properly. Here is a low-cost and versatile hand mixer circuit. It can be used for making stuff like lassi, chhach (buttermilk), butter and lemonade, among others. The circuit diagram of the low-cost and versatile hand mixer built around 5V voltage regulator 7805 (IC1), two BC547 transistors (T1 and T2), motor driver L293D (IC2), 12V geared motor (M1) and a few other components.

Title of the Project	:	Soccer Robot
Student Details	:	17891A04F0 Pendyala Pavan Kalyan 17891A04F1 Ponuganti Shivani 17891A04F2 Rama Manoj 17891A04F3 Rapelli Sai Rajesh
Guide Name	:	G. Venu
Abstract	:	In this paper, a design and implementation method for a robot soccer system with two soccer robots is proposed for Robo Cup middle-size league. Two vision-based autonomous soccer robots are implemented. In the robot design, an omni-directional movement mechanism and an omni-directional vision system are constructed so that the implemented robot can move in any direction and the environmental information of the robot can be obtained. A self-localization method is proposed to obtain the position of the robot in the field.

Title of the Project	:	Rfid Smart Door Lock using Arduino
Student Details	:	17891A04F4 Ravoori Thanmai 17891A04F5 Reddy Sai Teja Reddy 17891A04F6 Regatti Mahender Reddy 17891A04F7 Rohit Giri
Guide Name	:	V.Shankar
Abstract	:	Wireless security based applications have rapidly increased due to the dramatic improvement of modern technologies. Many access control systems were designed and/or implemented based on different types of wireless communication technologies by different people. Radio Frequency Identification (RFID) is a contactless technology that is widely used in several

industries for tasks like access control system, book tracking in libraries, tollgate system, supply chain management, and so on. In this paper, automatic RFID-based access control system using Arduino was designed.

Title of the Project	:	Traffic Light Control System using IOT
Student Details	:	17891A04F8 Shaik Mohammad Ismail 17891A04F9 Shivakali Nikitha 17891A04G0 Siddam Samyuktha 17891A04G1 Simhadri Suvarna Rani
Guide Name	:	Dr. P.A. HarshaVardhini
Abstract	:	Traffic Congestion and traffic monitoring is one of the important problems all over the world. This work uses IOT and Adaptive Neuro Fuzzy Inference System (ANFIS) to improve traffic conditions. An ANFIS traffic light controller with inputs as waiting time and vehicle density is developed using MATLAB SIMULINK environment. A camera is used to capture the traffic scenes and this image is transferred to the cloud using Arduino UNO and ThingSpeak Platform. The image is then analyzed in the server using ANFIS controller and appropriate control signals are sent to the traffic signals.

Title of the Project	:	Dtmf Decoder Connected to Mobile Phone
Student Details	:	17891A04G2 Yasarla Nitesh Naidu 17891A04G3 Tatikonda Usha Sri 17891A04G4 Teegala Sowmya 17891A04G5 Tekula Supriya
Guide Name	:	R.B.Kalyani
Abstract	:	In this project, the robot is controlled by a mobile phone that makes a call to the mobile phone attached to the robot. In the course of a call, if any button is pressed, a tone corresponding to the button pressed is heard at the other end of the call. This tone is called 'dual-tone multiple-frequency' (DTMF) tone. The robot perceives this DTMF tone with the help of the phone stacked in the robot.

Title of the Project	:	Solar Sun Tracking System using Arduino
Student Details	:	17891A04G7 Vanteddu Jagadeeshwar Reddy 17891A04G8 Vasala Vinay Kumar 17891A04G9 Vitta Shiva Sai 17891A04H0 Vujjini Bhargavi
Guide Name	:	R.B.Kalyani
Abstract	:	Nowadays, we can see the use of a solar system is everywhere. The sunlight is a natural and free source of energy. The Sun emits solar radiations or electromagnetic radiations. In the solar energy system, these radiations are used to generate electricity with the help of Photovoltaic cells or Solar cells. In this tutorial, we are going to learn about the prototype of the Sun Tracking Solar Panel Using Arduino.Before understanding the working and advantages of the Solar Tracker, we need to know why we have built this Solar Tracker.

Title of the Project	:	Audio Transmission Using WI-FI
Student Details	:	17891A04H1 Dubba Snehitha Reddy 17891A04H2 Thadisina Navya 17891A04H3 Sirikonda Saiteja 17891A04H4 Likki Rohith Reddy
Guide Name	:	B.Meenaiah
Abstract	:	Over the past few years there has been a rapid growth in the utilizationof the RF region of the electromagnetic spectrum. This is because of thehuge growth in the number of mobile phones subscriptions in recenttimes. This has been causing a rapid reduction in free spectrum forfuture devices. Light-fidelity (Li-Fi) operates in the visible light spectrumof the electromagnetic spectrum i.e. it uses visible light as a medium oftransmission rather than the traditional radio waves.

Title of the Project	:	Arduino Digital Protractor using MPU6050 Gyroscope
Student Details	:	17891A04H5 Lagisetty Vineeth 17891A04H6 Kaushik Venkat Sai Karanam 17891A04H7 Kande Ajay Kumar 17891A04H8 Kolanu Sneha Reddy
Guide Name	:	K.Murali Chandra Babu
Abstract	:	The MPU6050 is an IC 3-axis accelerometer and a 3-axisgyroscope combined into one unit. It also houses a temperature sensor and aDCM to perform a complex task. The MPU6050 is commonly used in buildingDrone and other remote robots like a self-balancing robot. In this project we willbuild a Digital Protractor using MPU6050 and Arduino. Here a servo motor isused to display the angle on a protractor image. Servo motor shaft is attachedwith a needle which will rotate on protractor image to indicate the angle which isalso displayed on a 16xLCD display.

Title of the Project	:	Music Rhythm Led Flash Light using Micro Phone
Student Details	:	17891A04H9 Rajapeta Mahesh 18895A0401 Ragireddy Vaishnavi 18895A0402 B Jayanth Kumar 18895A0403 Thotapalli Shiva Ram
Guide Name	:	Syed Sultan Mahmood
Abstract	:	The aim of this project is to develop arhythm following flash led's which blinksfollowing the rhythm of the music. The light whichglows according to the rhythm of the music isinteresting to watch. Researchers founded that therhythmic lights speeds up the brain waves thatdevelops the higher concentration levels. Thisproject is implemented in such a way that the lights(LED's) glow according to the music. The rhythmfollowing lights can be achieved by this system.This system uses a microphone through which, theaudio input is picked up and amplified.

Title of the Project	:	Generating Tones by Tapping Fingers using Arduino
Student Details	:	18895A0404 Shaik Reshma
		18895A0405 Gangadevi Swetha
Guide Name	:	A.Navya
Abstract	:	The aim of this project is to build a piece of entertainment using Arduino. We all have that habit of tapping Table or Pen for creating any random music. Of course it might not be considered as a good mannerism, but we all enjoy doing it at least once. Hence I thought of taking it to the next level by using Arduinos ability to play tones. Once you build this project you would be able to Generate tones by Tapping your fingers on anything conductive and create your own rhythms, it's like playing Piano on your palm.

Title of the Project	:	Data Encryption Decryption
Student Details	:	17891A0553, Sreeja Reddy K 17891A0544, Durga Lakshmi Aishwarya 17891A0550 Shaik Samreen
Guide Name	:	Dr.Kaushik
Abstract	:	Security of data in a computer is needed to protect critical data and information from other parties. One way to protect data is to apply the science of cryptography to perform data encryption. Algorithm One Time Pad uses the same key in the encryption process and a decryption of the data.

Title of the Project	:	Weather Forecasting System
Student Details	:	17891A0542 P.N.L.Bhavana 17891A0504 Baddam Tarun Reddy 17891A0509 Bhuvanagiri Vaishnavi
Guide Name	:	Dr.J.Jeny
Abstract	:	Weather forecasting and warnings ar the main services provided by the meteorological profession.. ... the easy which means of this term is that our model has potential to capture the complicated relationships between several factors that contribute to certain weather conditions.

Title of the Project	:	Online Pharmacy Management
Student Details	:	17891A0538 N .Pragnya Sree 17891A0524 Gummadoju Bhavana 17891A0558 Vasala Ramya
Guide Name	:	Mr.B.V. Chowdary
Abstract	:	The main aim of developing this application is to produce the medicines everywhere the country by simply one click and to cut back the time consumption. on-line pharmacy may be a web-based application. The user will post demand for drugs. TUser can buy drugs on-line. drugs is provided at the doorstep by the closest associate store. The prescription is obligatory for ordering drugs. As per the prescription, the user will search drugs and helpful info. This application provides info for daily consumption of medication.

Title of the Project	:	Spam Mail Filter
Student Details	:	17891A0539 Nalla Sreeja Reddy 17891A0527 Gurram Uday Kumar 17891A0533 K.Sai Chand Reddy
Guide Name	:	Dr.G.Yedukondalu
Abstract	:	Currently, E-mail is one in all the foremost vital ways of communication. However, the increasing of spam e-mails causes traffic jam, decreasing productivity, phishing, that has become a significant drawback for our society. and therefore the range of spam e-mail is increasing each year. Therefore, spam e-mail filtering is a very important, important and difficult topic. The aim of this analysis is to search out a good answer to filter attainable spam e-mails.

Title of the Project	:	Online Admission Management
Student Details	:	17891A0519 Gaddam Raga Pravalika 17891A0547 Samala Narasimha Reddy 17891A0549 Shaik Mohammed Zaid
Guide Name	:	Mr.N.Sri Anjaneya
Abstract	:	Online student admission may be a internet based mostly application that offer students the chance to travel on-line andapply for admission well as method their faculty admission details. The manual methodology of applying and processing students' admission is incredibly nerve-racking and cumbersome, forms and files wander away throughout the process, students cue up underneath the sun days endless simply to method their admission details whereas staffsit for long toilsome hours aiming to students. of these issues are examined and a suitable solution provided. the web students, admission system contains a centralized information to stay record of allthe students' record within the system. there's a module wherever prospective students may sign-up into the system

Title of the Project	:	Online Car Rental System
Student Details	:	17891A0518 G. Himabindu 17891A0529 Jetti Pavan 17891A0521 Gajji Venkatesh
Guide Name	:	Ms G.Sirisha
Abstract	:	Our Aim is to style and make a knowledge management System for a u-drive company. This enables admin will rent a vehicle that may be employed by a client. By paying the moneyfor a mere amount of your time. this technique will increase client retention and alter vehicleand workers Management in an economical approach

Title of the Project	:	Event Management
Student Details	:	17891A0560 Yelavarthi Divya 17891A0540 Nomula Sharath Kumar 17891A0503 Ayyadevara Phanikumar
Guide Name	:	Mrs.P.Lavanya Kumari
Abstract	:	Event management system is an internet event management system code project that serves the practicality of an occasion manager. The system permit registered user login and new user ar allowed to register on the applying. The system helps within the management of events, users and therefore the aspects associated with them. This projected to be an internet application. The project provides most of the essential practicality needed for an occasion kind e.g. [Marriage, Dance Show birthday celebration, faculty pageant, et

Title of the Project	:	Online Notice Board
Student Details	:	17891A0554 Sura Sowjanya 17891A0543 Pannala Akhila 17891A0511 Bolla Keerthana
Guide Name	:	Mrs .Jaya Bharathi
Abstract	:	An online board may be a place wherever individuals will leave any forms of messages and notifications, as an example, to advertise things, announce events or offer any info.

Title of the Project	:	Library Management System
Student Details	:	17891A0541 P.Harshitha Reddy 17891A0517 Kolanu Sai Kiran Reddy 17891A0523 Gogula Upendra
Guide Name	:	Mrs.B.Sharmila
Abstract	:	The Library Management System is associate degree application for assisting a bibliothec in managing a book library in a university. The system would offer basic set of options to add/update members, add/update books, and manage sign in specifications for the systems supported the client's statement of want.

Title of the Project	:	Telecom Billing System
Student Details	:	17891A0546 Ravoori Tharuni 17891A0528 Ippagunta Venkata Sai Vasanth 17891A0536 M.Vinay Kumar
Guide Name	:	Dr.G.Yedukondalu
Abstract	:	The purpose of the project is to gift the necessity of the mechanisation of phonephone request System. The project so calculates the phonephone bills mechanically. It will nearly each work that is expounded to automatic phonephone request association system via- new association , client record modification, viewing client records & all works associated with rate of bills, meter readings additionally to bill calculation and bill generation. "Telephone request System " is developed as per seeing the increasing demand to hurry up the work and incorporate a replacement work culture

Title of the Project	:	Doctor Online Booking System
Student Details	:	17891A0556 Thanneru Krishnaveni 17891A0522 Gangapuram Nikitha, 16891A0513 Erugu Vijay Kanth
Guide Name	:	Mrs.Y.Swapna
Abstract	:	smart appointment booking system that has patients or any user a straightforward manner of booking a doctor's appointment on-line. this can be an online primarily based application that overcomes the problem of managing and booking appointments in keeping with user's alternative or demands. The task generally becomes terribly tedious for the compounder or doctor himself in manually allotting appointments for the users as per their handiness. thence this project offers an efficient answer wherever users will read varied booking slots offered and choose the well-liked date and time.

Title of the Project	:	Student Report Card
Student Details	:	17891A0552 Somanna Saikumar Reddy 17891A0515 Chittaluri Saikrishna 16891A0538 M.Srikanth 16891A05A9 R.Tejas Reddy
Guide Name	:	Dr.Kaushik
Abstract	:	Preparing report cards for variety of scholars involves same task ought to be performed when. As this work involves doing calculation on same rules to create final results for every results and writing it manually on info victimisation pen and paper. thus to eliminate such form of work, it s higher to realize this work victimisation ADP system. lecturers or persons WHO can liable for making ready info have to be compelled to enter solely marks of every subject for each students and process work can beware by the reason ....etc

Title of the Project	:	Online Training and Placement System

Student Details	:	17891A0559	Vasireddy Bindhu
		17891A0555	Tadepally Krishna Chaitanya
		17891A0507	Bellamkonda Leela Venkata Krishna
Guide Name	:	Mr.P.Eswaraiah	
Abstract	:	The E- Placement may be a net based mostly application developed in windows platform for the location department of the school so as to produce the main points of its students in a very info for the businesses to their method of enlisting given a correct login.The system contains all the data concerning the scholars. The system stores all the private info of the scholars and their technical skills that area unit needed within the CV to be sent to a corporation.The system is a web application that may be accessed throughout the organization and outdoors furthermore with correct login provided.	

Title of the Project	:	Course Guide Management System	
Student Details	:	17891A0548	Shaik Hussain
		17891A0520,	Gajam Shyam
		17891A0514	Chithapuram Karthik
Guide Name	:	Mr.R.MAHESH	
Abstract	:	The course management system (CMS), as Associate in Nursing evolving tool and innovation, is more and more accustomed promote the standard, potency and adaptability of teaching and learning in educational activity. This paper aims to look at students' experiences of CMSs across schools at a comprehensive university	

Title of the Project	:	Complaint portal	
Student Details	:	17891A0530	Jujjuru Krishna Keerthana
		17891A0516	Devarakonda Narmadha
		17891A0532	K L Mounika
Guide Name	:	Mr. N. Murali Krishna	
Abstract	:	Complaint Management System is one among latest productivity improvement tools used wide by all organizations] where there's a desire of booking of criticism via operator and analysis of complaints that area unit created or area unit unfinished. Our web site C2C.com is on-line|a web|an internet} criticism management system wherever the problems of the shoppers may be registered online and resolved by the various levels of engineers.	

Title of the Project	:	Medical Chat Bot	
Student Details	:	17891A0545	Pooja P
		17BK1A0555	Tumarada Kavya Keerthi
		16891A0517	I.Sri Sai Karthik
Guide Name	:	Mr. G. Raja Vikram	
Abstract	:	Healthcare is extremely vital to guide a decent life. However, it's terribly tough to get the consultation with the doctor for each unhealthiness. the concept is to make a medical chatbot victimization computer science which will diagnose the unwellness and supply basic details regarding the unwellness before consulting a doctor. this can facilitate to scale back tending prices and improve accessibility to medical information through medical chatbot. The chatbots area unit laptop programs that use language to move with users.	

Title of the Project	:	Online Resumes	
Student Details	:	17891A0508	Bheemagoni Ramadevi
		17891A0526	Gurram Hari Prakash
		16891A0518	Jadala Tanush
Guide Name	:	Dr.Kaushik	
Abstract	:	It is associate application that simplifies the task of making a resume for people. The system is versatile to be used associated reduces the necessity of thinking and planning an acceptable resume in line with qualifications. The system is developed to produce a simple suggests that for making knowledgeable wanting resume. people simply ought to refill a type that specifies queries from all needed fields like personal queries, academic, qualities, interest, skills and then on. The answers provided by the users area unit hold on and also the system mechanically generates a well structured resume. Users have choice to produce resume in any format and file	

Title of the Project	:	Offline Messenger	
Student Details	:	17891A0557	Theerupally Tharun
		17891A0531	K Abhinay
		17891A0501	Abdul Ahfaz
Guide Name	:	Mr. R. Praveen Kumar	
Abstract	:	We developed a presence data management system that uses RFID and instant electronic messaging agent as a representative "push" kind communication. With our system, noticing twin on-line standing in each real and virtual areas, a higher quality of user support is provided.	

Title of the Project	:	Mobile Theft Protection	
Student Details	:	17891A0561	A Anjana
		17891A0563	Anangalla Mamatha
		17891A05B4	Thandu Sumanth
		17891A0586	Karnati Monica
Guide Name	:	Mr. G.Raja Vikram	
Abstract	:	Mobile trailing could be a key challenge that has been investigated from each sensible and theoretical aspects. This paper proposes Associate in Nursing anti-theft transportable security system victimization basic input/output system (BIOS). This transportable security system permits USA to see the position of mobile device. The projected security system is predicated on hardware implementation technique within which mobile is meant in such how that a mobile will be derived out though battery and Subscriber Identity Module (SIM) square measure plug-out. moreover, we have a tendency to conjointly contemplate the usage of BIOS and its importance in our existence. Our projected resolution can facilitate the designers in up the device security.	

Title of the Project	:	GPS Alaram	
Student Details	:	17891A0572	Gaikwad Sudham
		17891A0587	Kasibhatla Phani Madhav
		17891A0592	Mallu Sai Chandra Reddy
		17891A05A8	Ramidi Yashwanth Reddy
Guide Name	:	Mr. B. Srinu	
Abstract	:	Unlike different existing portable computer following techniques accessible within the market, the methodology mentioned within the paper tracks the portable computer notwithstanding it's not connected to the net or is successively off mode. With the implementation of IoT, the owner are going to be able to track his or her taken portable computer the instant it makes alittle movement and may trigger associate alarm that may be embedded within the portable computer. The alarm can noise audible up to ten meters that may create the criminal deliberate before carrying the portable computer with himself. in the meantime the owner will be able to monitor the situation of his or her taken portable computer through the mobile application put in on his or her phone by act with the GPS and GSM modules embedded within the portable computer, through the cloud.	

Title of the Project	:	Ethical Hacking Mirror	
Student Details	:	17891A0567	Chavula Shashidhar Reddy
		17891A0578	J Kedarnath
		17891A05A4	Rachamalla Vaishnavi
		17891A05B6	Valluri Lavakush
Guide Name	:	Mr. E.Krishna	
Abstract	:	Hacking is one in every of the foremost dangerous unwellness from that the worldwide world is full of. This project concentrates on however the malicious attacks and also the effects of hacking caused to our community .It provides complete image and preventive measures therefore solve the matter of hacking. totally different aspects of hacking ar mentioned up here. Today's generation continues to be insulating material in finding drawback|the matter} of hacking attacks and in confiscating the preventive measures in finding this world problem that is increasing day by day. to resolve this drawback of hacking attacks refined security tool ar fabricated. That's why we must always begin to have confidence hacker's psychological science because the main thanks to stop and stop attacks by understanding their desires or wishes. The invention of net has resolved several issues and brought several new things to the current world like electronic commerce, quick access to immense stores of reference material, cooperative computing, e-mail, and new avenues for advertising and knowledge distribution, however at constant time it gave rise to the foremost dangerous drawback referred to as hacking. Governments firms,	

Title of the Project	:	Block Chain Implementation in C++	
Student Details	:	17891A0579	Jagini Venkat Sai
		17891A0591	Madugula Varun Teja
		17891A0594	Mekala Saketh Reddy
		17891A0598	N Sri Sai Krishna
Guide Name	:	Mrs. G. Sirisha	
Abstract	:	As the Bitcoin keeps increasing in worth compared to different cryptocurrencies, additional attention has given to Blockchain Technology (BT), that is that the infrastructure behind the Bitcoin, particularly on its role in addressing the issues of the classical centralized system. As a digital currency, Bitcoin depends on the localised scientific discipline tools and peer-to-peer system. The digital currency implements a distributed ledger victimisation Blockchain once confirmative any form of dealing. during this paper, the aim is to explain however digital currency networks like Bitcoin provides a "trust-less" platform for users to start cash transfers while not essentially betting on any central trustworthy institutions like payment services or money establishments. moreover, this work comprehensively overviewed the essential principle that underly BT, like dealing, accord algorithms, and hashing	

Title of the Project	:	Currency Transalation in Java	
Student Details	:	17891A0580	Jeksani Harika
		17891A0584	Kaminwar Saipriya
		17891A0589	Lakshmi Apoorva Nelapatla
		17891A0590	Madireddy Pranathi
Guide Name	:	Dr. N. Murali Krishna	
Abstract	:	Different countries use completely different currency, and there's fluctuation in these currencies relative to 1 another. those that transfer cash from one country to a different (one currency to another) should be updated with the newest currency exchange rates within the market	

Title of the Project	:	Web Application for Scientific Calculator	
Student Details	:	17891A0576	Gayam Akhil Reddy
		17891A0596	Murikinati Sandeep Reddy
		17891A05B0	Sai Charan Neela
		17891A05B9	Yachavarapu Manish Reddy
Guide Name	:	Mr. B. Ravi Krishna	
Abstract	:	Scientific Calculator project options and performance demand. Share humanoid Project ideas and topics with North American nation. Grate and many Android project ideas and topics . Here some humanoid project ideas for analysis paper. Here giant assortment of Android project with ASCII text file and information. we have a tendency to several plan to development application like mobile application,desktop package application,web application development	

Title of the Project	:	Online Visualization	
Student Details	:	17891A0574	Ganta Umamaheshwari
		17891A0585	Karing Bhanu Prakash Reddy
		17891A0588	Kolanupaka Sreecharan
		17891A05C0	Yallanuru Sirisha
Guide Name	:	Mr. R. Praveen Kumar	
Abstract	:	In the past few years, on-line social knowledge visualisation has emerged as a brand new platform for users to construct, share, and inquire into knowledge visualizations on-line. the foremost standard on-line knowledge visualisation tools embody several Eyes, Swivel, and Tableau Public. during this paper, we have a tendency to report our ANalysis of the many Eyes - an IBM scientific research. By analyzing all the information visualizations made by users from 2007 to 2010, we offer insight into on-line user behavior still as patterns and trends in social knowledge visualisation	

Title of the Project	:	Whatsapp World	
Student Details	:	17891A0571	Erupaka Sai Charan Reddy
		17891A0581	Julluru Karthik
		17891A05A7	Ramavath Ganesh Nayak
Guide Name	:	Mr. P. Eswaraiah	
Abstract	:	Communication within the gift situation has modified its type from audio to matter suggests that, among most of the folks specially the younger generation. All credit goes to the varied convenient and straightforward to use apps out there to be freely downloaded. nowadays the market is full with `WhatsApp', `WeChat', `Viber', `LINE', `Snapchat', ChatON and plenty of a lot of such apps that we tend to ar referring as "WhatsApp family" apps. With the assistance of a number of the foremost standard electronic messaging apps already in market, this clearly states some prospects of the long run electronic messaging apps stating the image of the current desires.	

Title of the Project	:	Notes App Development	
Student Details	:	17891A0568	Donthagani Manideep
		17891A0573	Ganji Varun
		17891A0595	Meredhoddi Manish
Guide Name	:	Mrs. S. Sirisha	
Abstract	:	An Education system in Asian country has become thus advanced in last decade thanks to the event within the technology. E-learning, video conferencing square measure a number of the samples of trendy academic system. These applications facilitate the institute to maneuver forward quickly, fulfill their vision and attain their goals. the most plan of this project is to form obtainable the notes of {various} professors from various institutes which might be created obtainable by their students registered on the automaton app. By this idea the scholars would get a good vary of study materials and a full heap of opportunities to be told new things from totally different professors across the world and conjointly can get the chance to attach to new folks of various. The projected project are going to be enforced in applications like study material, social media exploitation automaton Applications.	

Title of the Project	:	Super Market Billing System	
Student Details	:	17891A0575	Gattu Nitya Reddy
		17891A0582	Kaki Prathyusha
		17891A0583	Kallem Maneesha
		17891A0593	Manne Srinidhi
Guide Name	:	Mr. B.Ravi Krishna	
Abstract	:	Super Market charge System The project is on grocery charge. grocery is that the place wherever customers return to buy their daily victimization product and buy that. thus there's a desire to calculate what number product area unit sold and to come up with the bill for the client. to create computer code quick in process, with smart computer programme in order that user will modification it and it ought to be used for a protracted time while not error and maintenance.	

Title of the Project	:	Bluetooth Chet Android App	
Student Details	:	17891A0599	Nimma Sharaschandrika
		17891A05A0	Padirla Uday Kumar
		17891A05A2	Poornika Bonam
		17891A05B3	Survi Deeksha Goud
Guide Name	:	Mr.B. Srinu	
Abstract	:	The main aim of this analysis paper is to investigate Bluetooth chat software system and technology. The analysis ought to embrace market and users want so as to be ready to fabricate the Bluetooth chat application and create it offered for users as a useful utility and entertaining application. This analysis paper is principally actuated to resolve sure issues connected, for instance, to disable student and normally to cooperative learning. The developed system ought to provide some helpful services as exchanging text messages and files. As this application is betting on Bluetooth, the goal of the paper makes an attempt to revive the Bluetooth usage once more and create it usable ceaselessly and daily because the net, taking in mind the distinction within the potentials between them	

Title of the Project	:	Encryption and Decryption	
Student Details	:	17891A0562	Aedla Shravani
		17891A0565	Banoth Karthik
		17891A0566	Boini Nandini
		17891A0597	N Sai Kiran Reddy
Guide Name	:	Dr. J. Jeny	
Abstract	:	Security knowledge|of knowledge|of information} during a pc is required to guard vital data and knowledge from different parties. a technique to guard knowledge is to use the science of cryptography to perform encryption. There square measure big variety of algorithms used for secret writing of knowledge, this study used a one-time pad algorithmic program for encrypting knowledge. algorithmic program only once Pad uses identical key within the secret writing method and a decipherment of the info. Associate in Nursing encrypted knowledge are reworked into cipher text so the sole one that has the key will open that knowledge. Therefore, Associate in Nursingalysis are in serious trouble an application that implements a one-time pad algorithmic program for encrypting knowledge. the appliance that implements the only once pad algorithmic program will facilitate users to store knowledge firmly.	

Title of the Project	:	Women Protection Android App	
Student Details	:	17891A05A5	Rai Sowmya
		17891A05B2	Surakanti Deepika
		17891A05B5	Vajrala Rachana
		17891A05B7	Vanguri Ajay Kumar
Guide Name	:	Mrs. G. Sirisha	
Abstract	:	today's world, folks mistreatment good phones have accrued quickly and therefore, a sensible phone may be used expeditiously for private security or numerous different protection functions. The evil incident that incensed the whole nation have waken USA to travel for the security problems then a number of latest apps are developed to produce security systems to ladies via their phones. This paper presents Abhaya, associate degree automaton Application for the security of girls and this app may be activated this app by one click, whenever want arises. one click on this app identifies the placement of place through GPS and sends a message comprising this location computer address to the registered contacts and conjointly turn the primary registered contact to assist the one in dangerous things	

Title of the Project	:	Steganography	
Student Details	:	17891A0564	Avvaru Geethanjali
		17891A0569	Ediga Sai Sowmya
		17891A05A6	Ramaraju Anuhya
Guide Name	:	Mrs. P. Lavanya Kumari	
Abstract	:	Steganography is a style of security technique through obscurity, the science and art of concealing the existence of a message between sender and supposed recipient. Steganography has been wont to hide secret messages in varied sorts of files, together with digital pictures, audio and video.	

Title of the Project	:	Video Encryption and Sharing	
Student Details	:	17891A05C2	B Shraddha
		17891A05C8	Dandigam Shiva Sai
		17891A05E5	Kyasaram Rahul Kumar
		17891A05F9	Neelam Pavan Kalyan
Guide Name	:	Mr. K. Ramesh Kumar	
Abstract	:	With the speedy development of assorted multimedia system technologies, additional and additional multimedia system information square measure generated and transmitted within the medical, commercial, and military fields, will} embody some sensitive info that shouldn't be accessed by or can solely be part exposed to the overall users. Therefore, security and privacy has become a crucial. Over the previous few years many coding algorithms have applied to secure video transmission	

Title of the Project	:	Traffic Bank Management System	
Student Details	:	17891A05C3	Bedapudi Sruthi
		17891A05D7	K Sai Madhuri
		17891A05E6	Laggoni Sumanth
		17891A05G8	Shrimukhi Muppidi
Guide Name	:	Mr. S. Kranthi Reddy	
Abstract	:	The checking account Management System is AN application for maintaining a human account during a bank. during this project i attempted to point out the operating of a banking account system and canopy the essential practicality of a checking account Management System. To develop a project for determination money applications of a client in banking atmosphere so as to nurture the wants of AN finish banking user by providing numerous ways in which to perform banking tasks.	

Title of the Project	:	Blood Bank Management System	
Student Details	:	17891A05C7	Chithanuru Aishwarya
		17891A05F6	Challabotla Pradeep Kumar Reddy
		17891A05H0	Syeda Saniya Muskan
Guide Name	:	Mr. G.Yedukondalu	
Abstract	:	Blood Bank Management System (BBMS) may be a browser based system that is intended to store, process, retrieve and analyze data involved with the executive and inventory management within a blood bank. ... the need of the blood has to be requested and that we offer the data of the donor	

Title of the Project	:	Student Voting System	
Student Details	:	17891A05C1	Anumalasetty Yamini Lakshmi Aikya
		17891A05D0	Dudala Pavan Kumar
		17891A05H2	Thallapally Nivedana,
		17891A05H7	Kollimarla Susmitha
Guide Name	:	Mrs.T.Yashasree	
Abstract	:	On-line electoral system may be a internet primarily based system that facilitates the running of elections and surveys on-line. Users square measure people United Nations agency act with the system. All user interaction is performed remotely through the user's application program. Users square measure given a on-line registration kind before vote user ought to fill on-line kind and submit details these details square measure compared with details in info and if they match then user is given username and arcanum mistreatment this data user will login and vote.	

Title of the Project	:	Data Translating	
Student Details	:	17891A05D4	J Sushanth
		17891A05D8	Kallala Aashritha
		17891A05F7	Nallabolu Udaykiran Goud
		17891A05G9	Surampally Abhishek Reddy
Guide Name	:	Ms. A.Soumya	
Abstract	:	Develop a group of tools for translating texts between multiple languages in real time with top quality. Languages ar separate modules within the tool and may be varied; prototypes covering a majority of the EU's twenty three official languages are designed.	

Title of the Project	:	Online Quiz	
Student Details	:	17891A05E1	Kollu Thrailokya
		17891A05F5	Mohammad Moiz
		17891A05H1	T Manish Reddy
		17891A05H5	Kamshetty Srivasavi
Guide Name	:	Mrs. B. Sharmila	
Abstract	:	main objective of OQS is to with efficiency judge the candidate through a totally machine-controlled system that not solely saves heap of your time however additionally provides quick results. academics will administ er quizzes exploitation the OQS .The system can show result when the examination is finished. an educator has management within the question bank and is meant to form schedule for the quiz. The system carries out the examination and auto-grading for multiple alternative queries that is fed into the system. body management of the entire system is provided.	

Title of the Project	:	Search My Book	
Student Details	:	17891A05D1	Ganta Jaya Sri
		17891A05H3	Vallala Niharika Yadav
		18895A0501	Annapalli Srujana
		17891A05G5	Erive Sarath
Guide Name	:	Mrs. Y. Swapna	
Abstract	:	The project relies on a book info system relating numerous desires of the user. the fundamental interface involves querying books in keeping with language, title, author, publisher, ISBN. we have a tendency to support services for getting and commercialism used books or books employed in specific courses	

Title of the Project	:	Telephone Directory	
Student Details	:	17891A05C4	Bejjanki Vamshi Daivagna Chary
		17891A05E7	Madagoni Anjani
		17891A05F3	Golem Sai Niharika
		17891A05G1	Polusani Ram Teja
Guide Name	:	Mr. K. Ramalinga Chary	
Abstract	:	The main objective of this phonebook System java project is to store the contact details of the specified persons in a very information. it's a friendly straightforward to use interface developed in Java with MySql because the side to store the main points. This application stores all the main points like name, signalling, address, email id and web site in a very information. this technique was developed to scale back the errors that go on in manual systems	

Title of the Project	:	Shelf Strokes	
Student Details	:	17891A05E0	Keshireddy Sindhu Priya
		17891A05E9	Madishetty Sai Sirisha
		17891A05F2	Mariboyina Nikhil Raghava Rao
		17891A05H4	Yennam Sujeeth Reddy
Guide Name	:	Mrs. P. Lavanya Kumari	
Abstract	:	There is very little foundational proof describing desires, wants, and issues of stroke survivors and their carers relating to stroke rehabilitation technology. The aim of the STORIES Project (Stroke Tech- Overviews in Rehabilitation, Insights, and Experiences of Survivors & carers) was to spot, characterize, and grade these desires and issues, furthermore as variations in characterizations across subgroups, to tell socially inclusive style.	

Title of the Project	:	Digital Clock

Student Details	:	17891A05F0	Malothu Naveen
		17891A05C5	Boinipalli Ashritha
		17891A05D5	Jeendru Vashisht Reddy
Guide Name	:	Ms. P. Deepika	
Abstract	:	The aim of the project is to style a twelve hour Digital Clock that displays the time digitally, in distinction to associate degree analog clock, wherever the time is indicated by the positions of rotating hands. With the assistance of counters and decoders, a digital clock to show time in hours, minutes and seconds may be created. Digital clock features a counter that receives a clock signal from any supply and will increase the amount in step with the clock signal	

Title of the Project	:	Result Made Easy	
Student Details	:	17891A05D2	Gogi Sampath Reddy
		17891A05D6	Jinuka Bhaskar
		17891A05F4	Mekala Sai Latha
		17891A05G2	Sadineni Vikas
Guide Name	:	Mrs. A. Hima Bindu	
Abstract	:	Course Allocation framework manages serving to the understudies World Health Organization ar recently getting into from ex gratia instruction to Higher Secondary or additional normal. The motivation behind programming is to ad libitum the scan for initiate and propelled purchasers of web. This workplace manages the varied types of courses and offices. the elemental purpose of this framework is to bring the pursuit restricted clear. causation E-Mail to shop for in regarding the new courses began the college.	

Title of the Project	:	Online Movie Booking System	
Student Details	:	17891A05E8	Madi Reddy Alekhya
		17891A05G4	Samudrala Sudhir
		17891A05H6	Mylavarapu V R Saketh
Guide Name	:	Mrs. S.Sirisha	
Abstract	:	The project objective is to book cinema tickets in on-line. The price ticket Reservation Systemis a web primarily based application which will be accessed throughout web|internet|cyber web|net|cyberspace|information superhighway|world wide web|Infobahn} and may be accessed by anyone United Nations agency encompasses a net affiliation. This applicationwill reserve the tickets. This on-line price ticket reservation system provides web site|a web site} for a cinema hall wherever any user of internet will access it. User is needed to login to the system and desires a mastercard for booking the tickets.	

Title of the Project	:	Snake Game	
Student Details	:	17891A05C9	Divya Praneetha N
		17891A05G3	S Rithwik Goud
		17891A05G7	Shanigaram Mahesh
		17891A05E2	Kondapaka Sushma
Guide Name	:	Mr. A.Vijay Gopal	
Abstract	:	This project aims to bring the fun and simplicity of snake game with some new options. It will embody pc controlled intelligent opponents whose aim are to challenge the human players. it'll even have the multiplayer feature that may enable over one players to play the game over a network.	

Title of the Project	:	Employee Management System	
Student Details	:	18891A0529	Kontham Sindhu Reddy

		18891A0515	G.Meghana
		18891A0501	A.Barathchandranaidu,
		17891A05B1	Sk.Riyat
Guide Name	:	Dr. J. Jeny	
Abstract	:	Employee Management System is a distributed application, developed to keep up the small print of staff operating in any organization. It maintains the data concerning the non-public details of their staff, additionally the small print concerning the payroll system which modify to get the record.	

Title of the Project	:	Phone Bok Application	
Student Details	:	18891A0530	Korokonda Venkata Vaishnavi
		18891A0537	M. Srivani
		18891A0552	Rupusai Reddy Arimanda
Guide Name	:	Dr. P. Kran Kumar	
Abstract	:	The phonebook application works specifically for chase individuals. The Phonebook application contains a collection of basic functions for adding, searching, updating, and deleting new contacts. This mini-C phonebook design permits you to perform easy tasks in your phonebook, like mobile phones.	

Title of the Project	:	Android App for Stop Watch	
Student Details	:	18891A0548	R.Aakanksha Reddy
		18891A0533	L.Anuradha
		18891A0522	K Lepaksheeshwar
Guide Name	:	Mr. E.Krishna	
Abstract	:	Screen stop watch tells you the way long you pay on your phone day by day. Whenever you unlock your phone, the stop watch continues to count. Screen stop watch is a component of Digital upbeat Experiments, a platform to share concepts and tools that facilitate individuals realize a more robust balance with technology	

Title of the Project	:	Augumented Reality	
Student Details	:	18891A0509	Chinnam Pranay Kumar
		18891A0521	Gunti Rohan
		18891A0536	M. Jayanth
Guide Name	:	Mr. A.Vijay Gopal	
Abstract	:	Augmented Reality is a breakthrough technology that might significantly ease execution of advanced operations. increased Reality mixes virtual and actual reality, creating obtainable to the user new tools to make sure potency within the transfer of data for many processes and in many environments.	

Title of the Project	:	Asset Management	
Student Details	:	18891A0520	Gundi Harendra
		18891A0554	Sagi Reddy Kavya Sree Nidhi
		18891A0551	Rathlavath Shailu
Guide Name	:	Ms. A. Soumya	
Abstract	:	asset management is usually viewed as a framework to facilitate a lot of aware decision-making by combining engineering and business principles. The Federal main road Administration defines it as a performance-based framework to with efficiency manage engineered facilities from a life-cycle perspective. As such, it represents a scientific method for maintaining, upgrading, and in operation physical assets during a efficient manner with a spotlight on potential interactions inside the universal system and its parts. Viewed during this manner, it'd appear that systems engineering principles would have broad pertinency to the sphere of quality management	

Title of the Project	:	Banaking System	
Student Details	:	18891A0559	Vure Vishal Sai
		18891A0514	G Navaneeth Kumar
		18891A0532	Kuntala Kaushik Kumar
Guide Name	:	Mr. LC. Ravinder	
Abstract	:	Internet banking or E-banking has attracted the eye of banks, securities, insurance corporations in developing nations since the late Nineteen Nineties and therefore the fast and vital growth in electronic sectors and commerce it's obvious that electronic (online internet) banking and payments ar probably to advance or chop-chop inflated.	

Title of the Project	:	IOT based Smart Bin	
Student Details	:	18891A0547	Puligunta Lahari Priya
		18891A0516	G Tanvi
		18891A0541	Neela Balaram
		19895A0501	Srungaram Madhava Chary
Guide Name	:	Mr N. Sri Anjaneya	
Abstract	:	Dustbins area unit containers used for assembling social unit waste all round the world. In our day to day life, we tend to dispose style of waste materials categorised as industrial waste, waste product wastes, domestic wastes etc. Dustbins area unit used for assembling the domestic waste materials. Indoor dustbins area unit wont to collect wastes from social unit, that area unit then disposed into the out of doors dustbins maintained by the Corporation or Municipality. Indoor dustbins area unit smaller in size, whereas municipal dustbins gift outdoors area unit therefore huge in size since it's to accommodate all the wastes from several social unit users in this space. thence our main focus is on the dustbins placed outside each corner within the streets so as to stay the surroundings clean.	

Title of the Project	:	Gepfencing Android App	
Student Details	:	18891A0526	Kadaveru Monika
		18891A0549	K.Srinavya
		18891A0560	Y. Harishreddy
		19895A0502	Jangiti Nandini
Guide Name	:	Ms. S. Nalini Durga	
Abstract	:	Geo-fencing (geofencing) could be a nice feature in an exceedingly software package program that uses world Positioning System (GPS) or frequency identification (RFID) to outline the geographical boundaries feature. truly geofence could be a virtual barrier. Geofencing is associate innovative technology, a web marketplace for proactive discourse services that enables users to simply realize fascinating services, will simply purchase it and to permit suppliers provide their services for a spread of applications like electronic toll assortment, discourse advertising or traveller info systems, even while not extra infrastructure. the most objective of this analysis was to grasp however the employment of spatial knowledge will improve advertising performance for purchasers	

Title of the Project	:	Online Super Market	
Student Details	:	18891A0513	E.Bhavana
		18891A0543	Nannuru Komali
		19895A0504	Bollepally Sathwik Reddy
		19895A0503	Undrakonda Sai Chaitanya
Guide Name	:	Dr. S. Kaushik	
Abstract	:	It has been wide speculated that new markets and customers will be reached through the utilization of the web and new ways that of conducting business will be developed. a significant growth in electronic commerce (EC) is organisations that directly act with their customers (business to-consumer EC). The grocery sector is at the forefront of this development. However, very little empirical proof is documented to reveal whether or not shopper looking patterns have considerably modified toward web looking	

Title of the Project	:	Brick Breaker Game	
Student Details	:	18891A0555	Sure D N S S S Suvarna
		18891A0518	Gajji Santhoshi
		18891A0556	Gutha Uday Sai Reddy
		19895A0504	Bollepally Sathwik Reddy
Guide Name	:	N. Deepika	
Abstract	:	The object of brick breaker is to break the bricks that are distributed round the high of the game screen. The bricks get broken when returning involved with a ball that bounces round the screen. At all-time low may be a paddle that within the classic game moves supported user input.	

Title of the Project	:	E-Commerce (Shopping App)	
Student Details	:	18891A0512	Dunna Khyathi Sri
		18891A0527	Kanukula Akhila
		18891A0519	Ganta Tarun Saaket
Guide Name	:	Mrs. T. Yashasree	
Abstract	:	An E Com App could be a portal that permits merchants in developing counters to advertise and sell their merchandise. this could allow rural communities to create their wares obtainable to the remainder of the globe.The objective of this project is to {form} a portal which might permit product info to be updated firmly employing a mobile device and can permit users to shop for merchandise form the merchandiser. the most concern is given to the village women's to explore their abilities and to	

reinforce our ancient Indian culture

Title of the Project	:	Colour Hunt Game	
Student Details	:	18891A0544	Ongolu Meghana Priya
		18891A0538	Meda Sangeetha
		18891A0523	K. Mani Eswar
Guide Name	:	Mrs. S. Akshara	
Abstract	:	The designed application can have associate degree admin read and therefore the public or guest read. The admin read is supposed for the administrator to update the merchandise, modification costs, take away and add merchandise and conjointly manage customers. The client read are going to be accessible to the shoppers, and that they are going to be able to handle their data like their name, address, and get in touch with. Also, the client are going to be able to order for merchandise from the search.	

Title of the Project	:	Telecom Billing System	
Student Details	:	18891A0502	Alampally Keerthana
		18891A0503	Alampally Sai Sharanya
		18891A0507	Boddupally Chandrakanth
Guide Name	:	Mr. K. Ramalinga Chary	
Abstract	:	The purpose of the project is to gift the necessity of the automation of phonephone charge System. The project so calculates the phonephone bills mechanically. It will nearly each work that is said to automatic phonephone charge affiliation system via- new affiliation , client record modification, viewing client records & all works associated with rate of bills, meter readings additionally to bill calculation and bill generation. “Telephone charge System ” is developed as per seeing the increasing demand to hurry up the work and incorporate a brand new work culture. so a brand new software package has been planned to scale back manual work, up work potency, saving time and to supply bigger flexibility and user-friendliness because the system antecedently followed was all manual one with immeasurable errors.	

Title of the Project	:	Path Finder	
Student Details	:	18891A0540	Molleti Sri Nishanth
		18891A0550	Rapaka Shanthi Shifrah
		18891A0535	M. Arun Kumar
Guide Name	:	Mr. N. Murali Krishna	
Abstract	:	Pathfinder, associate extension to the Java guide (JPF) verification tool-set that supports information abstraction to cut back the massive information domains of a Java program to tiny, finite abstract domains, creating the program additional amenable to verification. we have a tendency to use information abstraction to figure associate over-approximation of the first program in such how that if a (safety) property is true within the abstracted program the property is additionally true within the original program. Our approach enhances JPF with associate abstract interpreter and abstract state-matching mechanisms, at the side of a library of abstractions from that the user will decide that abstractions to use for a specific application.	

Title of the Project	:	Navigation app	
Student Details	:	18891A0542	Naladala Sahith Chowdary
		18891A0545	P. Vikranth Reddy
		18891A0558	V. Srinidh
Guide Name	:	Mr. N. Nagarjuna	
Abstract	:	GPS Is progressively being employed for a large vary of applications. therefore we tend to build a trial to develop a Project that has the aptitude to store and review wherever a user and his automaton device has been to. the appliance NAVIGATOR tracks the person's co-ordinate location and traces the trail wherever his automaton device has been to. essentially the press record at the beginning of his trip and also the phone stores the route he takes. This route is drawn time period on the Maps practicality of automaton or within the background with Associate in Nursing idle device. The route is hold on on the phone for review and more use. The applications tracks location by GPS, thus the name is NAVIGATOR.	

Title of the Project	:	Online Payment	
Student Details	:	18891A0505	Bandari Sai Srinivas
		18891A0510	Dasari Vamshi Reddy
		18891A0528	Kondeti Praveen
Guide Name	:	Ms. P. Deepika	
Abstract	:	electronic-commerce (e-commerce) is associate progressively necessary section of business activities on the online. The Secure Agent Fabrication, Evolution and Roaming (SAFER) design was planned to any facilitate e-commerce victimization agent technology. during this paper, the electronic payment side of SAFER are going to be explored. The Secure Electronic dealings (SET) protocol and E-cash were designated because the bases for the electronic payment system implementation. the assorted modules of the payment system and the way they interface with one another ar shown	

Title of the Project	:	Lan Chat	
Student Details	:	18891A0531	Kotha Bhanu Kumar
		18891A0524	K. Rajeev Reddy
		18891A0525	K. Sai Kiran
Guide Name	:	Mr. P. Eswaraiah	
Abstract	:	LAN Chat traveller (LCM) mistreatment VOIP offers zero value communication among staffs in a very company. Not restricted thereto, it's conjointly permits them to speak, send files and free voice decision. This study offers voice decision and file transfer that helps to resolve the communication issue particularly on time and value of the communication maintenance. the knowledge exchange between individual becomes electric sander and provides a lot of choices. The Rational Unified Process(RUP) development methodology was utilized in the event of the System and for implementation Client/Server network and TCP/IP was used. multiple may be a standalone application mistreatment JAVA programming because the artificial language and tested at one in every of the personal organization as domain study.	

Title of the Project	:	Mail Server Live Chat in Java
Student Details	:	18891A0557 V. Shireesha 18891A0517 Gadapa Navya 18891A0534 M Sudheer Kumar
Guide Name	:	Mr. K. Ramalinga Chary
Abstract	:	The project "Java Mail server" is split in to a few modules i.e Server module, consumer Module, Email Inbox module. Server accepts the affiliation from totally different shoppers through server socket category and every one the main points concerning consumer affiliation institution , sending, receiving and termination is keep within the server . shoppers will connect with the server once server is active, every consumer will send and receive mails, attachment to alternative shoppers. shoppers user name and passwords area unit keep in information files, Email inbox module handles all the functions connected mails like mail forwarding, read attachment, save attachment or mail etc. This Project conjointly provides threading support mechanically, that handles the socket affiliation and disconnection to a peer. It supports each consumer and server sockets.

Title of the Project	:	Mail Merging
Student Details	:	18891A0506 Bandaru Jashwanthi 18891A0511 Dhanavath Sravanthi 18891A0546 D.Yogitha
Guide Name	:	Dr. N. Murali Krishna
Abstract	:	Mail Merge is a handy feature that comes with information from each Microsoft Word and Microsoft stand out and permits you to form multiple documents quickly, like letters, saving you the time and energy of retyping a similar letter over and over.

Title of the Project	:	Railway Tracking System
Student Details	:	18891A0539 Medivelli Abhinay 18891A0553 S.Venkatesh 18891A0508 Boppani Vinod Kumar
Guide Name	:	Mr. K. Ramesh Kumar
Abstract	:	In the current railway systes, it's changing into ever a lot of necessary to possess safety components so as to avoid accidents. one amongst the vital causes which will provoke serious accidents is that the existence of obstacles on the tracks, either fastened or mobile. This paper deals regarding one amongst the economical strategies to avoid train collision and obstacle detection. A GPS system is getting used prime in purpose the placement of faults on tracks. The paper presents an answer, to supply associate intelligent train pursuit and management system to boost the present railway transport service. the answer is predicated on powerful combination of mobile computing, world System for Mobile Communication (GSM), world Positioning System (GPS) technologies and software package. The built-in GPS module identifies the train location with a highest accuracy and transfers the knowledge to the central system

Title of the Project	:	Online Education System
Student Details	:	18891A05A9 Saladi Sukruthi 18891A05B9 Yanamala Mallika 18891A0580 Giragani Sai Kiran
Guide Name	:	Mrs. S. Akshara
Abstract	:	The physical schoolroom learning today isn't any longer applicable for the present younger generations (Gen Y). web and distance learning that is usually referred to as on-line education plays a significant roles within the country's education system. it's plain that on-line education provides ample of advantages to young learners. even so, there also are several negative implications from on-line education. restricted cooperative learning, increase in time and energy ar the many negative implications from on-line education. This study examines the implications of on-line education among students particularly in an exceedingly personal higher learning establishment and its result towards Malaysian national education system. data has been collected through surveys, interviews and at the side of secondary information, and were analysed mistreatment SPSS.

Title of the Project	:	Movie Ticket Booking System
Student Details	:	18891A0594 Mandalapu Venkat Sai 18891A05A4 Puppala Girish Kumar 18891A0569 Ch. Sree Surya Karthik
Guide Name	:	Mr. B. Ravi Krishna
Abstract	:	The price tag Reservation Systemis a web based mostly application that may be accessed throughout web|internet|cyber web|net|cyberspace|information superhighway|world wide web|Infobahn} and may be accessed by anyone UN agency features a net affiliation. This applicationwill reserve the tickets. This on-line price tag reservation system provides net site|a web site} for a cinema hall wherever any user of internet will access it. User is needed to login to the system and wishes a master card for booking the tickets. Tickets will be collected at the counter and observation movies with family and friendsin theatresis one of the best medium of diversion when having a busy schedule. however all this excitement vanishes when standing in hours in long queues to urge tickets reserved. the web site provides complete data concerning presently running movies on allthe screens with details ofshowtimings, offered seats

Title of the Project	:	Face Recognition
Student Details	:	18891A05A6 R. Sowmya 18891A05A7 Nenavath Tarun 18891A05B7 Vaditha Gagan
Guide Name	:	Mr. N. Murali Krishna
Abstract	:	In this paper, a secure face recognition system is given, in which face detection is performed with colouring detection followed by light-weight standardisation and normalized cross correlation. Principal element analysis (PCA) is employed for face verification.

Title of the Project	:	Railway Tracking & Arrival Time Prediction
Student Details	:	18891A05B2 Snigdha Reddy Jakka 18891A0593 Madhari Kiran Babu 18891A0577 G. Nikhil Chowdary
Guide Name	:	Mrs. Jaya Bharathi
Abstract	:	So here we tend to gift to you a project on Railway Tracking and Arrival Time Prediction. victimization this technique user's will get the data about train temporal order, and is it on time or not, and different info. ... This second System is put in on numerous locations on station for viewers to look at the data.

Title of the Project	:	Voice Based Email For Blind
Student Details	:	18891A0588 Kodali Hemant Kumar 18891A0583 K. Kavitha Sahithi Sri 18891A0579 Gaddam Dileep Kumar
Guide Name	:	Mr. G. Raja Vikram
Abstract	:	We describe the Voicemail system design which will be employed by a Blind person to access e-Mails simply and with efficiency. The contribution created by this analysis has enabled the Blind people to send and receive voice based e-Mail messages in their linguistic communication with the assistance of a pc.

Title of the Project	:	App Based on Women Security
Student Details	:	18891A05B8 Vaishnavi 18891A05B3 Siddartha 18891A05B1 Sai Kumar
Guide Name	:	
Abstract	:	smart phones have accrued chop-chop and therefore, a wise phone will be used with efficiency for private security or numerous alternative protection functions. The flagitious incident that umbrageous the whole nation have waken USA to travel for the protection problems so a bunch of latest apps are developed to produce security systems to girls via their phones. This paper presents Abhaya, Associate in Nursing automaton Application for the protection of ladies and this app will be activated this app by one click, whenever would like arises. one click on this app identifies the placement of place through GPS and sends a message comprising this location address to the registered contacts and conjointly appeal the primary registered contact to assist the one in dangerous things. The distinctive feature of this application is to send the message to the registered contacts ceaselessly for each 5 minutes till the "stop" button within the application is clicked.

Title of the Project	:	Led Control using Google Home
Student Details	:	18891A0591 Kuncharapu Archana 18891A0597 Morishetty Praneeth 18891A0582 K.Vijay Sai Kiran
Guide Name	:	Mrs. A. Hima Bindu
Abstract	:	The idea behind Google assistant-controlled Home automation is to manage home devices with voice. On the market there area unit several devices accessible to try to to that, however creating our own is awful. during this project, the Google assistant needs voice commands. Adafruit account that may be a cloud primarily based free IoT net server accustomed produce virtual switches, is linking to IFTTT web site abbreviated as "If This Than That" that is employed to form if else conditional statements. The voice commands for Google assistant are accessorial through IFTTT web site. during this home automation, because the user provides commands to the Google assistant, Home appliances like Bulb, Fan and Motor etc., may be controlled consequently. The commands given through the Google assistant area unit decoded and so sent to the microcontroller, the microcontroller successively management the relays connected to that.

Title of the Project	:	Smart Health Consulting Project
Student Details	:	18891A0595 Manne Sujith Reddy 18891A0568 Ch. Amulya 18891A0598 N.N.V.S. Aravind Kumar
Guide Name	:	Mr. N. Nagarjuna
Abstract	:	This system aims at maintaining patient health records and even obtaining appointments from numerous doctors for connected treatments. The system user should register as a member of this technique and keep change his case history. Patients will then choose from a listing of specialised doctors for various treatments like (skin specialist, ENT specialist heart specialist etc) at specific locations. Patients may additionally choose appropriate appointment timings for his or her meetin

Title of the Project	:	QR Code Identification
Student Details	:	18891A05A0 Nareddy Dilip Reddy 18891A0565 B. Sushmith Reddy 18891A05B0 D. Sathvik
Guide Name	:	Mr. LC. Ravinder
Abstract	:	To avoid the limitation of gift QR code algorithms that square measure solely on the market on the paper presswork, this paper planned AN rule supported Pattern Recognition to understand the identification of the QR codes written on numerous materials with completely different models. The QR codes from the sample pictures were manually marked initial, so the input pictures were divided into blocks. for each single block, its MRH and LBP options were calculated and such texture patterns were trained to get a QR code symbol exploitation the abstraction Boost rule. For period identification, this symbol might divide the period input pictures, and output the classified results of the blocks, considering the feel options (MRH, LBP) of the blocks as input vectors.

Title of the Project	:	Poratal For Farments to Sell the Product at the Better Price
Student Details	:	18891A0589 Kolloju Ajay Kumar 18891A05C0 Yedla Hemanth Reddy 18891A05A5 Pvvs Krishna Kasypp
Guide Name	:	Dr. P. Kiran Kumar
Abstract	:	System that gives farmers AN interface to sell their turn out , and connect with the patrons everywhere Asian nation • straightforward interface that works on mobile, SMS to transfer turn out details and respond via phone and SMS (taking care of digital divide) • Interface for anyone purchase|to shop for} the turn out/vegetable at first visit the place and buy or have traveler service integrated to deliver the vegetables Farmers will get a higher value for his or her produce, no extra value spent in selling and delivery of products , but they'll value {more highly to|favor to|opt to} charge more by delivering the things themselves

Title of the Project	:	Digital Library Management System
Student Details	:	18891A0575 Dornala Dharani 18891A05B6 Thodeti Sai Ujwal 18891A0572 Cherlapalli Arjun
Guide Name	:	Ms. A. Soumya
Abstract	:	Online Library Management System could be a system that maintains the knowledge regarding the books gift within the library, their authors, the members of library to whom books square measure issued, library employees and every one. this is often terribly tough to arrange manually. Maintenance of all this data manually could be a terribly advanced task. as a result of the advancement of technology, organization of an internet Library becomes abundant easy. the net Library Management has been designed to computerize and change the operations performed over the knowledge regarding the members, book problems and returns and every one different operations.

Title of the Project	:	Aircraft Tracking
Student Details	:	18891A0592 A. Lakshmi Soundarya 18891A05B4 Sunkanapelli Akshay Kumar 18891A05B5 T. Ram
Guide Name	:	Ms. S. Nalini Durga
Abstract	:	Existing craft pursuit capability is lacking once encountered with water, within the event that craft crashes into the ocean. This paper presents associate craft pursuit system that ready to track the hooked up craft in real time. the data of the placement collected is conferred on a web-based graphical user interface. The projected system is meant to be used as a standalone huntsman that's ready to keep track on the craft and improves the search and rescue rate. this method is additionally designed to beat the shortage of craft pursuit capability.

Title of the Project	:	Portal for Farmenrs Guidence
Student Details	:	18891A0562 Akthe Sai Teja 18891A0571 Cherka Archana 18891A0599 N. Tarun Reddy
Guide Name	:	Mr. N. Sri Anjaneya
Abstract	:	In our day to day life we tend to consume food and our survival relies on in the main food. a substantial quantity of our food is returning from farms and alternative means that too. These farmers do their exertions for growing and serving several lives across the country, that pays for his or her supply of financial gain. however because of intermediates within the commerce of their final merchandise the farmers square measure unable to create their profit and largely live poor. By this project we are going to be able to connect farmers on to the client in order that direct dealing of merchandise is accomplished. can|this may|this can} lead to a major decrease within the costs of the merchandise presently out there within the market likewise because the profit will directly reach the farmers pocket. we tend to square measure enclosed by technology however there square measure many of us United Nations agency square measure still unaware of the advantages of this technology or its use, by the assistance of this project and therefore the support for the attention of the comes several farmers are going to be able to use likewise as are going to be instructed the way to use this application with its advantages

Title of the Project	:	Employee Tracking System
Student Details	:	18891A0566 Brahma Routhu Bhavana 18891A0581 Gollapally Nitin 18891A0564 B. Sree Sai Abhinav
Guide Name	:	Mr. R. Praveen Kumar
Abstract	:	"project-oriented one that options the look associated development of a software used for worker hourly progression chase and job planning in an industrial setting. This software system was developed at knowledgeable level as verified by its adoption by one in every of the most important boxboard corporations within the trade for its regular operations this method consists of 2 integrated subsystems, hunter and Crew Master. The first, Tracker, was designed to switch a manual system utilized by the accounting department for chase worker hourly progression. The second,Crew Master, replaces a manual system for planning hourly workers for job positions similarly as vacation scheduling"

Title of the Project	:	Jarvis (S/W Robot Assistant) for Corporation
Student Details	:	18891A05A3 Pavan Kumar Chopra 18891A05A8 Sai Krishna Aluvala 18891A0578 G. Srimanth Reddy 19895A0506 Naraboina Nitish Yadav
Guide Name	:	Mrs. S. Sirisha
Abstract	:	The project aims to develop a personal-assistant for Linux-based systems. Jarvis attracts its inspiration from virtual assistants like Cortana for Windows, and Siri for iOS. it's been designed to produce a easy interface for polishing off a spread of tasks by using bound well-defined commands. Users will act with the assistant either through voice commands or victimization keyboard input.

Title of the Project	:	Desktop Notifier
Student Details	:	18891A05A1 Palla Gowri 18891A0590 Kovvuri Swapna 18891A0567 Bukya Aravind 19895A0507 S Shashikanth Yadav
Guide Name	:	Mrs. B. Sharmila
Abstract	:	Calendar+ is associate golem application that accesses the calendars of multiple users, for example members of a family or employees in a very specific department and can pull out the events from each calendar. Hence, everybody within the cluster will see others' events on one screen in tailor-made format. It conjointly helps the user to make, edit, and delete events of his/her calendar. in addition, this application can use associate economical strategy to update knowledge providing there's any amendment within the events, creating it quicker. There ar several different applications within the Play store however they can't get obviate redundant events and reminders of events happiness to different users.

Title of the Project	:	Banking Management System
Student Details	:	18891A0587 Karnati Tharun Kumar 18891A0561 A. Rashmitha 18891A0584 Kalluri Ram Gopal Chowdary 19895A0508 Mulukuri Nitheesha
Guide Name	:	Mr. B.V. Chowdary
Abstract	:	The checking account Management System is associate degree application for maintaining a human account during a bank. during this project i attempted to point out the operating of a banking account system and canopy the fundamental practicality of a checking account Management System. To develop a project for finding money applications of a client in banking setting so as to nurture the wants of associate degree finish banking user by providing varied ways in which to perform banking tasks.

Title of the Project	:	Alarm Clock based on IOT
Student Details	:	18891A0573 Chityala Sreshta 18891A0574 Dandu Saranya 18891A0563 Alisheri Tharun 19895A0509 Mote Madhu
Guide Name	:	Dr. P. Kiran Kumar
Abstract	:	An application that allows user to line alarm in itinerant that triggers the arduino system to show on the rooms light-weight, and play pre-defined music in external speakers, switches on the hot-water heater, turns off fan beforehand of the wake-up time in associate degree ascending vogue. the appliance is ready up with mathematical calculation operate to show off the alarm.

Title of the Project	:	Online Personal Counselling System
Student Details	:	18891A0585 Kandanelly Rohan Reddy 18891A0586 Kaparaboina Venkat Nikhil Sai 18891A0596 Md Abdul Mubeen 19895A0510 Vadlakonda Ashwin Kumar
Guide Name	:	Dr. N. Murali Krishna
Abstract	:	Online Personal counselling system. so as to boost the services associated with personal counselling method, several on-line counselling systems came into existence that supports the scholars in obtaining needed facilitate regarding the tutorial policies of universities and a few personal steering to the scholars. counselling is that the method that has differing types of activities like guiding students towards faculties and universities, supporting them to decide on the correct career path. Providing full steering in obtaining the data associated with their personal and psychopathy.

Title of the Project	:	Online Examination Management System using Java
Student Details	:	18891A0570 Chaduvu Vinith Reddy 18891A0576 G. Naga Sai Lakshmi Bhargavi 19895A0505 Pininti Sravani 19895A0511 Gangadhari Madhan
Guide Name	:	Mr. G. Raja Vikram
Abstract	:	The online application creates AN inter-link among 3 modules of this software: user, administrator and establishment. during this on-line Examination Management System, user implies to the scholars United Nations agency take test. Administration is that the one United Nations agency maintains the {data} and data of the registered users. establishments cannot directly register within the system however they set queries and answers.

Title of the Project	:	Online Room Search
Student Details	:	18891A05F7 Pulagam Sadhana 18891A05H7 Chalike Abhinav 18891A05D2 D. Teja Sai Manikanta 17891A05B8 Vembadi Shashidhar
Guide Name	:	Mrs. S. Akshara
Abstract	:	The project “Online building Booking System” may be a system supported accessing the net to book for rooms during a building. the aim of this study is to develop and implement an internet building reservation system for hotels, that may replace the manual methodology of booking for building rooms. The previous system for booking rooms were baby-faced with numerous issues like, delay in process the client booking or paying for rooms that's below or on the far side his commonplace, causes problem for emergency booking.

Title of the Project	:	Health Management
Student Details	:	18891A05C4 Artham Kavya 18891A05C3 Andaloori Kushal Nivas 18891A05G1 Sandhya Leela Abhishek
Guide Name	:	Mrs. Jaya Bharathi
Abstract	:	This project Hospital Management system includes registration of patients, storing their details into the system, and additionally processed asking within the pharmacy, and labs. ... It includes a hunt facility to understand this standing of every patient. User will search details of a patient exploitation the id.

Title of the Project	:	Hospital Management System
Student Details	:	18891A05C9 Ch. Krishnaja 18891A05H6 Thot Suma 18891A05D9 Kalappa Bhuvanesh Reddy
Guide Name	:	Mr. B.V. Chowdary
Abstract	:	This project Hospital Management system includes registration of patients, storing their details into the system, and conjointly processed asking within the pharmacy, and labs. The computer code has the power to offer a singular id for each patient and stores the clinical details of each patient and hospital tests done mechanically. It includes an exploration facility to understand the present standing of every patient.

Title of the Project	:	Net Banking
Student Details	:	18891A05E8 Nalband Abhinay Kumar 18891A05D1 Chitturi Naga Sai 18891A05F1 P. Saketh
Guide Name	:	Mr. S. Kranthi Reddy
Abstract	:	This project aims at creation of a secure web industry. this can be accessible to all or any customers UN agency have a legitimate User Id and countersign. this is often AN approach to supply a chance to the shoppers to possess some necessary transactions to be done from wherever they're nowadays while not moving to bank. during this project we have a tendency to ar planning to deal the present facts within the bank i.e.; the transactions that takes place between client and bank. we offer a true time atmosphere for the present system within the bank.

Title of the Project	:	Voice Translator
Student Details	:	18891A05E1 Lomada Suresh Reddy 19895A0517 Neha Kumari Pandey 18891A05H0 Gandham Harika
Guide Name	:	Mr. N. Murali Krishna
Abstract	:	the emerging stage of developing a customized interpreter, we have a tendency to propose to develop a example that uses a speech process hardware and on translators to supply the user with real time translation. Speech process hardware works on the principle of 'compare and forward', i.e., a info is already keep within the unit that is employed for scrutiny with the input speech and also the result's forwarded for any process. the requirement arises from the lack of dictionaries and human translators to suit our desires for higher communication. during this scenario the example planned can fulfill the aim fairly well and minimize the communication inefficiencies.

Title of the Project	:	Bigmarket Sales Prediction
Student Details	:	18891A05E5 Maddela Harika 19895A0518 Angita Barman 18891A05G3 Sk. Mohammed Umar
Guide Name	:	Mr. B. Ravi Krishna
Abstract	:	The project "BIGMART SALES DATASET" aims to make a prognostic model and determine the sales of every product at a specific store. massive mercantile establishment can use this model to grasp the properties of product and stores that play a key role in increasing sales.This can even be done supported the hypothesis that ought to be done before viewing the info.

Title of the Project	:	Traffic Signal with Sensors
Student Details	:	18891A05G2 Sathwika Kesani 18891A05F6 Pohar Rithvik 18891A05I0 Jalla Prem Chand
Guide Name	:	Mrs. S. Akshara
Abstract	:	Traditional light system solely offers directions to prevent and to not vehicle driver. however if somebody is breaking the signal then this technique isn't able to catch them and there square measure probabilities of taking bribe. so to extend the safety of light and to cut back human efforts and to avoid the felony

Title of the Project	:	Bus Management System
Student Details	:	18891A05H3 Lella Venkata Bipin Avinash 18891A05G5 Sunkari Spandana 18891A05H2 Y. Vamsi
Guide Name	:	Mr. B. Srinu
Abstract	:	Bus Transport Management System project is developed for creating gift system of bus transportation paperless and additional digitalized. this can create straightforward of business thanks to user friendly and simple to use system. Utilization of this technique can increase the productivity. the most moto of this is often to supply transport service to consignor and recipient. As thanks to automation request, summarized payment, making report etc.

Title of the Project	:	Inventory Control Management System
Student Details	:	18891A05D6 Gullani Anirudh 18891A05E6 Maddula Praneeth Reddy 18891A05H9 Puvvada Sai Revanth
Guide Name	:	N. Deepika
Abstract	:	Inventory Management System is very important to make sure internal control in businesses that handle transactions revolving around commodity. while not correct internal control, an oversized sales outlet could run out of stock on a very important item. an honest Inventory Management System can alert the retail merchant once it's time to reorder. Inventory Management System is additionally a very important means that of mechanically following massive shipments.

Title of the Project	:	Examination Automation System
Student Details	:	18891A05F5 Patnam Divya 18891A05C7 Badisa Jeevan Kumar 18891A05D5 Garlapati Praveen Kumar
Guide Name	:	Ms. P. Deepika
Abstract	:	Exam Cell Automation System is developed for the school to change examination hall allotment and seating arrangement. It facilitates to access the examination data of explicit|a specific|a selected} student during a particular category. the aim of developing communication hall seating arrangement system is to computerised the standard manner of conducting exams. Another purpose for developing this software system is t-o the seating arrangement report mechanically throughout exams at the top of the session or in between the session

Title of the Project	:	Department Storage Management System
Student Details	:	18891A05E0 Kompally Navya 18891A05D3 Dani Reddy Hemanth Kumar Reddy

		18891A05G9 Swapnika Chowdary Thanikonda
Guide Name	:	Mr. E. Krishna
Abstract	:	The project has been developed to stay track of detail relating to the transactions. this product could be a web-based. to produce the essential services associated with storage of commodities viz. potato etc., to take care of their loading and unloading details of specific cold store employer within the state. the merchandise can beware of all the transactions of every cold storage. These transactions area unit then appointed a singular SR variety generated by the system.
Title of the Project	:	TIC-TAC-TOE Game
Student Details	:	18891A05E9 Naraparaju Saimani Teja 18891A05C2 Amrinder Singh 18891A05E3 M. Sai Pavan Goud
Guide Name	:	Mr. LC. Ravinder
Abstract	:	Tic-Tac-Toe is one among the paper-and-pencil games. This game needs 2 players in 3x3 grid with Player one acts as "O" and Player two acts as "X", or vice vers. the target of this game is to require place of 3 connecting grids during a horizontal, vertical, or diagonal way/fork. This analysis findings explains concerning the common AI rule for tick-tack-toe game, as well as the strategy so as to beat human player.
Title of the Project	:	Attendence Tracking System
Student Details	:	18891A05D0 Cheruku Hanisha 18891A05H4 Neela Mallikarjun 18891A05G0 Saad Ali
Guide Name	:	Mr. R. Mahesh
Abstract	:	Attendance management is vital to each single organization; it will decide whether or not or not a company like instructional establishments, public or non-public sectors are going to be successful within the future. Organizations can have to be compelled to keep a track of individuals inside the organization like workers and students to maximise their performance. Managing student group action throughout lecture periods has become a tough challenge.
Title of the Project	:	Time Table Management System
Student Details	:	18891A05F9 S Thrisha 19895A0516 Chouhan Nikhil 18891A05H5 Nari Sai Kumar
Guide Name	:	Ms. S. Nalini Durga
Abstract	:	Timetabling considerations all activities with relevance manufacturing a schedule that has got to be subjective to completely different constraints. Timetable can be outlined because the optimisation of given activities, actions or events to a group of objects in space-time continuum matrix to satisfy a group of fascinating constraints

Title of the Project	:	Near by Service App
Student Details	:	18891A05F8 Repala Tejaswini 18891A05D7 Bukka Sanjana 18891A05C6 B. Ajay Reddy
Guide Name	:	Mr. S. Kranthi Reddy
Abstract	:	Operating motorcar is way confronted as compared to carriage. each elementary demand spare facilities like medicine accessories, nurses, doctors and lots of a lot of. thus each elementary got to be handled with human interaction, and its very tough to brutalize it. As motorcar utility per day is incredibly less compared to carriage, one driver are advance to take care of multiple vehicles supported the Accessories. thus a driver app connected to a special vehicle can build no sense for operators

Title of the Project	:	Digital Slam Book
Student Details	:	18891A05F4 Patel Jeevitha 19895A0515 T Sai Chander 18891A05E7 Mutyala Rishika
Guide Name	:	N. Deepika
Abstract	:	Online SlamBook is an internet web site application which may be accessed everywhere the users. This application is machine-driven software system application for viewing profile, friend list, status, comment, like and connected data regarding user, ...etc square measure a part of this method. User will read the profile and that they will invite their friends . Admin of upper authorities can delete and block the user and that they man settle for, reject or keep it in unfinished. Before approving user, admin can look the request through this method and take choices. This technique can improve the method of planning in organization by saving time and resources.

Title of the Project	:	Online Auction System
Student Details	:	18891A05D4 Ganji Deepika 18891A05G6 T. Naga Deepthi 18891A05F3 Pagidipalli Koteswara Rao
Guide Name	:	Mrs. A. Hima Bindu
Abstract	:	An online auction is AN auction that is control over the web. it's a well-liked technique for purchasing and mercantilism product and services. on-line Auction System s helps to client to sell and get product in best worth. it's developed with the target of creating the system reliable, easier and quick. This application is employed to sell the something on the web site from house. This application is employed to sell the something on the web site from house.

Title of the Project : Design and Analysis of Displacement Sensor for Ethylene (C2H4) Gas Detector for Fruit Ripening Application.

Student Details :
18891A1001 A. Hema Sri
18891A1002 Vura Shiva Sai
18891A1003 A. Sai Teja

Guide Name : Dr. M. Vasu Babu

Abstract : Background In view of ethylene's critical developmental and physiological roles the gaseous hormone remains an active research topic for plant biologists. Progress has been made to understand the ethylene biosynthesis pathway and the mechanisms of perception and action. Still numerous questions need to be answered and findings to be validated. Monitoring gas production will very often complete the picture of any ethylene research topic. Therefore the search for suitable ethylene measuring methods for various plant samples either in the field, greenhouses, laboratories or storage facilities is strongly motivated.ScopeThis review presents an update of the current methods for ethylene monitoring in plants. It focuses on the three most-used methods - gas chromatography detection, electrochemical sensing and optical detection - and compares them in terms of sensitivity, selectivity, time response and price. Guidelines are provided for proper selection and application of the described sensor methodologies and some specific applications are illustrated of laser-based detector for monitoring ethylene given off by Arabidopsis thaliana upon various nutritional treatments. Conclusions Each method has its advantages and limitations. The choice for the suitable ethylene sensor needs careful consideration and is driven by the requirements for a specific application.

Title of the Project : System to Measure Laughing

Student Details :
18891A1004 Aethari Ram Babu
18891A1005 Binita Chourasia
18891A1006 Budidhi Arvindraju

Guide Name : Mr. T. Janardhan

Abstract : The study of human non-verbal social behaviors has taken a more quantitative and computational approach in recent years, due to the development of smart interfaces and virtual agents or robots able to interact socially. One of the most interesting non-verbal social behaviors, producing a characteristic vocal signal, is laughing. Laughter is produced in several different situations: in response to external physical, cognitive, or emotional stimuli; to negotiate social interactions; and also, pathologically, as a consequence of neural damage. For this reason, laughter has attracted researchers from many disciplines. A consequence of this multidisciplinarity is the absence of a holistic vision of this complex behavior: the methods of analysis and classification of laughter, as well as the terminology used, are heterogeneous; the findings sometimes contradictory and poorly documented. This survey aims at collecting and presenting objective measurement methods and results from a variety of different studies in different fields, to contribute to build a unified model and taxonomy of laughter. This could be successfully used for advances in several fields, from artificial intelligence and human-robot interaction, to medicine and psychiatry.

Title of the Project : Embedded Real Time Clock based Industrial Devices Control System

Student Details :
18891A1007 D. Deepak
18891A1008 Davuluru Sreelekha
18891A1009 Ediga Sri Nikitha

Guide Name : Mr. P. Srinivas

Abstract : This project presents design details adopting open embedded systems (OES) as real-time controllers in industrial distributed control systems. OES minimize development cost and enhance portability while addressing widely known shortcomings of their proprietary counterparts. These shortcomings include the black box method of distribution which hinders integration to

more complex systems. However, OES are highly dependent on the compatibility of each software components and essential benchmarking is required to ensure that the system can satisfy hard real-time constraints. To address these issues and the notion that OES will find broader distributed control applications, we provide detailed procedures in realizing OES based on an open source real-time operating system on various low-cost open embedded platforms. Their performance was evaluated and compared in terms of periodicity and schedulability, task synchronization, and interrupt response time, which are crucial metrics to determine stability and reliability of real-time controllers. Practical implementations, including the modernization of a multi-axis industrial robot controller, are described clearly to serve as a comprehensive reference on the integration of OES in industrial distributed control systems.

Title of the Project : Pantry System in Theaters

Student Details :
18891A1010 G. Rishika Reddy
18891A1011 G. Vaishnavi
18891A1012 Yadamreddy Manasa Krishna

Guide Name : Mrs. P. Prasahanthi Reddy

Abstract :
The main aim of this project is to provide pantry system for audience. One of the problems faced by the audience in theatres is getting food in break time standing in huge queue makes a person discomfort so we have an alternative where he can order the food from his seating place itself . One of the problems faced by the audience in theatres is getting food in break time standing in huge queue makes a person discomfort so we have an alternative where he can order the food from his seating place itself .For implementation of the system RF communication helps in transferring the order.

Title of the Project : Auto Night Lamp using High Power LED

Student Details :
18891A1013 K. Chandra Shekar
18891A1015 K. Sai Prasanna Sastry
18891A1016 Kanchukommula Bhuvaneswar Rao

Guide Name :
Mr. K. Prasad Babu

Abstract :
Auto Night Lamp Using High Power LEDs is a circuit which turns ON the LED lights interfaced to it at night time and it turns OFF the lights automatically when it is day. Usage of LEDs is growing day by day due to the advantages they provide compared to the conventional filament bulbs or fluorescent lamps. They provide good quality of white light with a better intensity compared to others. They also consume less power compared to their alternatives.

Title of the Project : Automation using PLC

Student Details :
18891A1017 Kokkonda Sai Vamshidhar Reddy
18891A1018 M. Bhavana Reddy
18891A1019 M. Vaishnavi

Guide Name : Ms. K. Padmaleela

Abstract :
This project work is divided into two parts. The first part deals with the history and development of Programmable Logic Controllers and its subsequent applications in different industries. In The second part PLC was implemented to control 3 different processes namely lift car controller, Liquid level controller, Temperature controller. Automation of many different processes, such as controlling machines or factory assembly lines, is done through the use of small computers called a programmable logic controller (PLC). This is actually a control device that consists of a programmable microprocessor, and is programmed using a specialized computer language.

Title of the Project : Distance Measurment using IR Sensor with ADC0804 & 8051 Microcontroller

Student Details : 18891A1020 Matoori Chaitanya Priya
18891A1023 Mudumba S Navya
18891A1024 N. Vishnu

Guide Name : Mr. P. Srinivas

Abstract :

Infrared sensors find numerous applications in electronic systems. Commonly used as obstacle detector, their output is used in digital form (high & low logic) by employing a comparator. This topic explains a way to use the sensor's output in its original analog form. Thus, along with detecting an obstacle, its exact distance can also be obtained. This is achieved by processing the output of IR sensor through an ADC0804 (analog to digital converter). The ADC is calibrated to get almost accurate distance measurement.

Title of the Project : Pic and Place Robotic ARM and Movement Controlled by Android Wirelessly

Student Details : 18891A1025 Nagulagani Madhavi
18891A1026 Narayan Raaj Naidu S
18891A1027 P. Mrudhula

Guide Name : Mr. T. Janardhan

Abstract :

A pick and place robot is the one which is used to pick up an object and place it in the desired location. It can be a cylindrical robot providing movement in horizontal, vertical and rotational axes, a spherical robot providing two rotational and one linear movement, an articulate robot or a scara robot (fixed robots with 3 vertical axes rotary arms).

Title of the Project : Smart Home Automation System with Light Dimmer

Student Details : 18891A1028 Palugulla Srinivasa Reddy
18891A1029 Pola Shiva Dhanush
18891A1032 S. Yamini

Guide Name : Mrs. M. Akhila

Abstract :

Home automation is the present and future for home appliances and devices. A smarter lighting solution is to use wireless light switches and dimmers. Standard dumb light bulbs is the only we are conditioned to control light switches. The more convenient way to control all our home lights is when we turn ON or OFF all lights at once. This automation project using Atmega328p microcontroller is used to controlling AC load with the use of Bluetooth. The intensity of AC loads can be controlled using the provided android app; firstly, the load is selected using the android app, then we can change the intensity of the load up and down while the joystick buttons are pressed. The up button will increase the intensity, while the down button will decrease respectively. We use an atmega328P microcontroller which is interfaced with a Bluetooth module which is connected to the android app. The commands are then sent by the android app is received and further processed by the controlling. So, basically, we can control up to 5 AC Loads individually using this circuit.

Title of the Project : The Detection of Pesticide in Foods using Electrochemical Sensors

Student Details : 18891A1033 Shiva Eshwara Prasad
18891A1035 V. Kumar Shashidhar Reddy
18891A1037 Vishnu Sai Nekkanti

Guide Name : Dr. M. Vasu Babu

Abstract :

Due to the large amounts of pesticides commonly used and their impact on health, prompt and accurate pesticide analysis is important. This review gives an overview of recent advances and new trends in biosensors for pesticide detection. Optical, electrochemical and piezoelectric biosensors have been reported based on the detection method. In this review biosensors have been classified according to the immobilized biorecognition element: enzymes, cells, antibodies and, more rarely, DNA. The use of tailor-designed

biomolecules, such as aptamers and molecularly imprinted polymers, is reviewed. Artificial Neural Networks, that allow the analysis of pesticide mixtures are also presented. Recent advances in the field of nanomaterials merit special mention. The incorporation of nanomaterials provides highly sensitive sensing devices allowing the efficient detection of pesticides.

Title of the Project : Digital Real Time Clock Implemetation with Microcontroller and LCD

Student Details :
19895A1001 Aluka Sunny
19895A1002 Kota Ramakanth
19895A1003 Berugu Ramya

Guide Name : Mr. M. Akhila

Abstract :
A digital clock displays the time using numbers and it has many applications like cars, railway stations, houses, offices, etc. in order to provide accurate time and date. In this type of applications, normally we use RTC (Real Time Clock) ICs to display the time and date accurately. The circuit displays the time on LCD. For this clock, we can set the time at any instant. Here, the clock can work in either 24 hour mode or 12 hour mode and the RTC chip is configured by programming 8051 controller.

Title of the Project : Energy Saving System for Railway Platform

Student Details :
19895A1004 Gariga Preethi
19895A1005 R Murali Babu Naik
19895A1006 V Naresh

Guide Name : Dr. S. Prasanna

Abstract :
The first application for onboard storage batteries came with the commercialization of series hybrid drive systems that reduced the fuel consumption of diesel trains. Storage battery control has also been used for the absorption of regenerative electric power and to implement the regenerative brake with extended effective speed. Further progress has since led to the development of an efficient regeneration system for making effective use of electric power. Now, Hitachi has conducted operational trials of the regenerative brake with extended effective speed using storage batteries to boost the DC voltage at the inverter input, achieving an increase in regenerative electric power of up to 12.5% (for a 300-V boost). In the future, Hitachi intends to encourage the wider use of onboard storage batteries by achieving a good balance of return on investment, and by working on new energy-saving technologies that are closely aligned with customer needs.

Title of the Project : Industrial Parameter Monitoring System with Voice Announcement

Student Details :
19895A1007 T Shiva Kumar
19895A1009 Jamalpur Bharath Vamshi
19895A1010 Kummari Naveen

Guide Name : Mrs. P. Prasahanthi Reddy

Abstract :
The purpose of this project is to provide security for home/offices with prior intimation of disaster. In this we use sensors, which collect the data at predefined time intervals from different sensors for different physical parameters like fire gas, intruder and water level and sends this data to the controller. The AT89S52, an 8-bit micro controller collects the data from the different sensors. If any sensed parameter is out of pre-defined threshold value then it is indicating by glowing a particular LED and then announces that particular message (like gas detected) from voice IC through the speaker attached to it.

Title of the Project : Battery Level Indicator

Student Details :
19895A1011 K Vinitha
19895A1012 Kankati Praveen

Guide Name : Mr. K. Prasad Babu

Abstract :
Battery level indicator indicates the status of the battery just by glowing LED's. For example six LED's are glowing means battery capacity 60%

remains. The heart of this battery level indicator circuit is LM3914 IC. This IC takes input analog voltage and drives 10 LED's linearly according to the input analog voltage. In this circuit, there is no need of resistors in series with LEDs because the current is regulated by the IC.

Title of the Project : Labview based Thermister
Student Details : 19895A1013 Vollala Srikar
19895A1014 Poosala Shiva Sai Kumar
19895A1008 M Hanumanthu Naik
Guide Name : Ms. K. Padmaleela
Abstract :
The purpose of the exercise is to give you some experience using LabVIEW for automatic, computer-based data collection from an experiment. You will be measuring the internal temperature of a grape or similar object as a function of time as it is plunged into a glass of ice water. Using the collected data, you will determine the time constant of the heat transfer dynamics that model the temperature drop.

Title of the Project : Determination of Polar Compounds in used Frying Oils and Fats with A Suitable Sensor
Student Details : 17891A1001 Naguboina Geetha Sree
17891A1020 Gumma Sirisha
17891A1046 Vemuri Sai Lakshmi Priya
Guide Name : Dr. M. Vasu Babu
Abstract :
A portable capacitive sensor was designed to assess frying oil degradation by measuring the changes in electrical capacitance. An interdigital electrode (IDE) was designed to be implemented as the testing probe (as IDEs are resistive to parasitic capacitance), together with an adjacent capacitive chip Pcap01 and a further microprocessor STM32, which were used as the data-processing elements. Experimental results demonstrated that viscosity could be a useful frying oil quality indicator, and also proved a preliminary correlation between IDE capacitance and oils' total polar materials. This implies that IDE capacitance could be a suitable metric for conveniently assessing frying oil degradation. The designed capacitance sensor is light in weight, cost effective, and has excellent potential for simple, inexpensive, on-the-spot testing of the current quality of frying oil.

Title of the Project : Bluetooth Printer
Student Details : 17891A1002 Aakula Vinod Kumar
17891A1032 Mantipally Sridhar
17891A1035 Nimmana Priyanka
Guide Name : Mr. K. Prem Sagar
Abstract :
This system shows the working of "Portable Bluetooth Printer Project". Here a thermal printer is interfaced with the microcontroller based system and prints the text, numbers and characters on the heat-sensitive paper

Title of the Project : Heart Rate/ BPM and SPO2 with Max30120+Arduino
Student Details : 17891A1003 Abburu Aishwarya
17891A1022 Janga Hampya Reddy
17891A1029 Kudumula Sai Lakshmi
Guide Name : Mrs. T. Swathi
Abstract :
Pulse oximetry monitors the oxygen saturation in blood by measuring the magnitude of reflected red and infrared light [read more about pulse oximetry here and here]. Pulse oximeteters can also approximate heart rate by analyzing the time series response of the reflected red and infrared light . The MAX30102 pulse oximeter is an Arduino-compatible and inexpensive sensor that permits calculation of heart rate using the method described above. In this tutorial, the MAX30102 sensor will be introduced along with several in-depth analyses of the red and infrared reflection data that will be used to calculate parameters such as heart rate and oxygen saturation in blood.

Title of the Project : Coin Based Mobile Charger
Student Details : 17891A1005 Ale Sai Kiran
17891A1006 Ambati Srinadh Reddy
17891A1007 Anugu Vinay Reddy
Guide Name : Mrs. P. Prasahanthi Reddy
Abstract :
The coin based mobile charging system charges the mobile phones when the coin is inserted. This system is used by shop owners, rural people and can be implemented in the public places like railway stations, bus stand to provide mobile charging facility. So the coin acceptor recognizes valid coins and then signals the arduino for further action. If a valid coin is found, it signals the arduino and then arduino starts the mobile charging mechanism providing a 5V supply through a power supply section to the mobile phone. The arduino starts a reverse countdown timer to display the charging time for that mobile phone. Further the user adds another coin, the arduino adds to the currently remaining time and once again decrements the countdown. This system can be used for smart mobile charging at public places. This coin based mobile charging system will supply the enough amount of charge to the mobile phone and is available on demand in public places.

Title of the Project : Rain Sensing Wiper using Arduino and Servomotor
Student Details : 17891A1008 Bachhu Sushma
17891A1009 Bhonagiri Nikhitha
17891A1010 Bollu Jahnavi
Guide Name : Mr. K. Prasad Babu
Abstract :
The issue of driver's safety is of great importance in today's automotive industry. In many cases, a lack of proper vision is responsible for accidents during heavy rainfall. In many cases, manual errors like not increasing the speed of the wiper by the driver lead to accidents. Today's car wipers work on the principle of manual switching. In this paper, we proposed an automatic rain sensing wiper system that detects rain and starts automatically and stops when the rain stops. The automatic rain sensing car wiper system is not only automatic but also intelligent. The wiper system detects the rainfall automatically and starts itself. The Wiper system is also intelligent. When the droplets of rainfall on the sensor, the sensor detects the intensity and the speed of the wiper are automated accordingly. The higher speed of rotation indicates the higher rainfall. There will be no need for manual intervention for controlling wiper. In this project, we use Arduino along with a rain sensor, an LCD 16x2 module, and a servo motor. The moisture is measured via analog output pins which are present in the rain sensor, the wiper starts rotating when a threshold of moisture is exceeded. The module used here is completely based on LM393 op-amp. The information sensed by the rain sensor is sent to Arduino. The Arduino is an Atemga8 based microcontroller board. Interactive electronic devices can be designed and created by using Arduino, which is a platform to develop the working of electronic devices. It consists of an on-board power supply and a USB port to communicate with the pc. The collected information from the rain sensor is processed and analyzed by Arduino and it further controls the servo motor based on the processed information. The information about the intensity of the rainfall and speed of the wiper is informed to the driver by means of a 4-bit LCD module which is kept near the driver's seat. The rain sensor is kept at the side of the windshield, outside the car. The rain sensor is connected to the servo motor. The blades of the wiper ar

Title of the Project : Smart Glasses
Student Details : 17891A1011 Brahmadevara Chandra Lekha
17891A1047 Venepalli Vinay Sai
17891A1050 Yanala Rithwik Reddy
Guide Name : Mr. K. Prem Sagar
Abstract :
Smart glasses proven to be one of the modern computing devices that unite the humans and machines with the help of information and communication

technology (ICT). In recent years, it is seen that smart glasses have been used in the medical and gaming applications. However, the features of smart glasses can contribute its services in other fields too. In this paper, a study is carried out to explore the possible application of smart glasses in the education sector. In the investigation, most features of smart glass were found to be in favours with the requirements of teaching and learning process adopted in the education sector. Typical applications of wearable smart glass in education include the augmented reality, documentation of lecture, on-site report preparation, recording lectures as videos, capturing essential points as images, telementoring, trainee's evaluation, understanding the listener's experience and nature, student concentration evaluation etc. Besides, these the possible benefits of adopting and challenges in implementing are also explored. The outcome of this study suggests that the implementation of smart glasses in the education sector will enhance the concept of ICT education.

Title of the Project : Pollution Monitoring & Source Tracker Drone
Student Details : 17891A1014 Chenchu Mounika
18895A1009 Aane Sushmitha
18895A1012 Meghavath Mamatha
Guide Name : Mr. P. Srinivas
Abstract :

Air pollution changes abruptly and it is proven. Air pollutants are especially difficult to monitor with conventional and cheap means of observation. This air pollutant spreads because of growing industries and increasing use of transport. Air pollution can be controlled by lowering the use of such harmful chemical industry. These industries with harmful chemical smoke can be lowered by tracking it, in which area the pollution level is high and what is the source of constantly increasing pollution of that particular area. In this project, we will be using a drone Unmanned aerial vehicle with a gas sensing sensor. This drone is integrated with the sensor that senses the heavily polluted area and then further it will sense mode of pollution. It will track the source from which industry, transport, etc. became the reason for the increase in pollution. This will help to control pollution at the right time. It will help to save the environments and lives of people.

Title of the Project : Smart Water Monitoring System using IOT
Student Details : 17891A1015 Cheruku Shirisha
17891A1018 Ganji Jashwini
17891A1041 Srikakulamu Sahithi
Guide Name : Mrs. M. Akhila
Abstract :

This project presents a design of a low cost system for real time monitoring of the water quality and quantity of water in IOT (internet of things). The system having of several sensors is used to measuring physical of the water. The parameters flow sensor of the water can be measured.

Title of the Project : Effect of Shadow on the Performance of Solar Photovoltaic.
Student Details : 17891A1016 Chowla Deekshitha
17891A1043 Thonukunuri Ravi Prakya
17891A1051 M. Sindhuja
Guide Name : Dr. M. Vasu Babu
Abstract :

This chapter investigates the reduction in photovoltaic (PV) performance due to artificial factors generated by covering each row and column in an array of a solar panel. This covering leads to an overall degradation of the energy produced by that panel. Experiments on the shadow effects of artificial cover, which leads to degraded power generation, were conducted and analyses performed. The obtained results show that the variation in the reduction of PV voltage and power produced from each cell depends on the shadow effect created. Shading causes a decrease in the output of PV, and this chapter's experiments illustrate the extent of that reduction. The difference between shading of cells in series, in parallel, and a combination of series and parallel

with respect to time and temperature are also studied. Another factor examined is the artificial thickness of shadows on the surface that is causing the shading.

Title of the Project : Airport Security with Proximity Sensor for Bomb Detection
Student Details : 17891A1019 Goli Lava Kumar Reddy
17891A1023 Janumpally Shiva Rama Krishna
17891A1040 Shivam Barve
Guide Name : Mr. K. Prem Sagar
Abstract :

Title of the Project : Home Automation System using RF
Student Details : 17891A1026 Kanthi Varun Kumar Goud
17891A1030 Mandaloju Harshavardhan
18895A1006 Avula Rakesh
Guide Name : Mrs. T. Swathi
Abstract :
The main object of this project is to develop a home automation system with a four button key fob transmitter by using RF (Radio Frequency) technology. Nowadays, houses are gradually shifting from normal switches to centralized control system, involving a remote control transmitter.

Title of the Project : Autonomous Robot for Refinery Inspection
Student Details : 17891A1028 Korvi Nikhil
17891A1031 Manne Dinesh
17891A1033 M Siddharatha Rao
Guide Name : Mrs. P. Prasahanthi Reddy
Abstract :
Industrial safety is one of the main aspects of industry specially refining industry. To avoid any types of unwanted phenomena all refining industry follows some basic precaution and phenomena. Communication is the main key factor for any industry today to monitor different parameters and take necessary actions accordingly to avoid any types of hazards.To implement a robotic system to autonomously navigate in an oil and gas refinery and it must be able to communicate with the control room and also localize it and alert workers in hazardous leakages and other accidents. Oil and gas refineries can be a dangerous environment for numerous reasons, including heat, gasses and humidity at the refinary. In order to augment how human operators interact with this environment, a mobile robotic platform is developed. This paper focuses on the use of WiFi for communicating with and localizing the robot. All the algorithms implemented are tested in real world scenarios with the robot developed and results are promising.

Title of the Project : SCADA (Supervisory Control & Data Acquisition) for Remote Industrial Plant
Student Details : 17891A1036 Pogula Avinash Reddy
17891A1037 Pranathi Mantravadi
17891A1038 Satoor Sai Teja Goud
Guide Name : Mr. K. Prasad Babu
Abstract :
The project designed is a data acquisition system under supervisory control which is essential in large industrial environment. ... SCADA is a technology that is used to track and control all the processes in industries and saves ... interfaced to a microcontroller of 8051 family to constantly monitor the remote plant operations.

Title of the Project : Traffic Density Control using Aurdino
Student Details : 17891A1039
17891A1042
17891A1044
Guide Name : Ms. K. Padmaleela

Abstract : Traffic congestion is a severe problem in many major cities across the world and it has become a nightmare for the commuters in these cities. Traffic can be controlled in several main junctions by incorporating either automatic traffic light control or traffic police. But conventional traffic light system is based on fixed time concept allotted to each side of the junction which cannot be varied as per varying traffic density. At some times, priority of traffic light needs to be changed based on more number of vehicles waiting in same road, VIPs vehicles and Ambulance vehicles etc. We propose to design and develop a density based traffic signal system. The signal changes automatically on sensing the traffic density at the junction. The prototype model was developed using IR sensors and Arduino. We use Arduino to write programming according to our requirements due to its simplicity and economy and IR sensors is used to measure the traffic density in a particular road. IR sensors may have limitations that it will work in normal light also. As a result, traffic light works in improper way. In future, it may be improved by using some suitable sensors. IR sensors are arranged on each road in accurate manner to detect traffic density properly; these sensors always sense the traffic on that particular road. All these sensors are interfaced to the arduino. Based on these sensors, controller detects the traffic and controls the traffic system. The controls of traffic light depend on number of vehicles available in the road.

Title of the Project : Health Monitoring System using 7-Segment Display & Atmega Micro Controller

Student Details :
17891A1045 Varun Kumar Konduru
18895A1011 Esnagari Sanjay Kumar
17895A1007 G. Nagesh

Guide Name : Mr. P. Srinivas

Abstract : This health monitoring system is a very useful system, which can be used to monitor the health parameters of the patient. This system continuously monitors the heart rate and the temperature reading of the patient. In this health monitoring system project, we use two 7 segment modules to display the parameters, as the display has a greater viewing distance. We can select the upper limit and lower limit for the temperature and heartbeat as well. While monitoring, if the temperature is increased beyond the set high limit or is decreased below the set limit then the buzzer sounds and the load turns off. Similarly, when we remove the heartbeat sensor and system detects low heartbeat and buzzer buzzes and the load is switched off. This buzzer can help the patient's well-wishers to take action in an emergency. When the temperature and heart rate come into control the bulb turns on and the alarm gets off.

Title of the Project : Patient Monitoring System with Automatic SMS Alert

Student Details :
17891A1048 Vishnu Priya Kamarajugadda
17891A1049 Voruganti Naga Sai
17891A1017 Devannagari Sahithi Bharadwaj

Guide Name : Mr. K. Padmaleela

Abstract :
The primary function of this system is to monitor the 3 health parameters of a patient. We have monitored temperature, Humidity and Heart Beat of the Patient and the Data collected by these sensors are sent to the Microcontroller. The Microcontroller then transmits the data to the user in the form of SMS.

Title of the Project : Digital Real Time Clock Implementation with Microcontroller and LCD

Student Details :
18895A1001 Nalla Vaishnavi
18895A1003 Pagidi Nikhitha
18895A1004 Gundeti Bhargavi

Guide Name : Mrs. S. Prasanna

Abstract : In this project, design a simple Digital Clock Circuit using 8051 and DS12C887 as well as DS1307 RTC Modules. A digital clock displays the

time using numbers and it has many applications like cars, railway stations, houses, offices, etc. in order to provide accurate time and date. In this type of applications, normally we use RTC (Real Time Clock) ICs to display the time and date accurately.

Title of the Project : Guidence of a Wheel Chair using EOG

Student Details :
18895A1002 Singarapu Shashi Kumar
18895A1005 Durgam Anirudh
18895A1010 Nimmala Prasanth

Guide Name : Mr. T. Janardhan

Abstract : This diploma project presents the concept of mind-controlled electric wheelchair designed for people who are not able to use other interfaces such as hand joystick. Four main components of concept are described: electroencephalography, brain-computer interface, shared control and the electric wheelchair. In the text used methodology is described and results of conducted experiments are presented. In conclusion suggestions for future development are outlined.

Title of the Project : Aurduino based Vechicle Tracker using GPS and GSM

Student Details :
18895A1008 G Mallesh
18895A1013 K Anish Reddy
18895A1014 Bsn Bhargava

Guide Name : Mrs. T. Swathi

Abstract : Vehicle Tracking systems are very commonly used in fleet management and asset tracking applications. Today these systems can not only track the location of the vehicle but can also report the speed and even control it remotely. In general, tracking of vehicles is a process in which we track the vehicle location in form of Latitude and Longitude (GPS coordinates). GPS Coordinates are the value of a location. This system is very efficient for outdoor application purposes. This kind of Vehicle Tracking System Project is widely in tracking Cabs/Taxis, stolen vehicles, school/college buses, etc.In this project, we are going one step ahead with GPS building a GSM and GPS based vehicle tracking system using Arduino. This Vehicle Tracking System can also be used to track a vehicle using GPS and GSM and can also be used as Accident Detection Alert System, Soldier Tracking System and many more, by just making few changes in hardware and software.