VELAMMAL COLLEGE OF
ENGINEERING AND TECHNOLOGY
(Autonomous)

# EEE

# TECHMANIA'21

VOLUME 15 ISSUE 23 - DEC 2021

PRESENTED BY

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

# VCET

## VISION AND MISSION

**VISION :**

To emerge and sustain as a center of excellence for technical and managerial education upholding social values.

**MISSION :**

- Imparted with comprehensive, innovative and value-based education.
- Exposed to technical, managerial and soft skill resources with emphasis on research and professionalism.
- Inculcated with the need for a disciplined, happy, married and peaceful life.

# EEE DEPARTMENT

## VISION AND MISSION

**VISION :**

To produce quality Electrical Engineers for industry and good citizens for society through excellence in technical education and research.

**MISSION :**

- To empower graduates with sophisticated knowledge and technical skills.
- To explore, create and develop innovations in Electrical Engineering and Technology.
- To provide beneficial service to the rural, state, national and international communities.

**PROGRAM EDUCATIONAL OBJECTIVES:**

1.Graduates will professionally be competent, excel in academics and solve wide range of problems in Electrical and Electronics Engineering field to serve the needs of Employers.

2. Graduates will engage in continuous professional development activities through Lifelong Learning to enhance technical knowledge and communication skills.

3. Graduates will excel in leadership quality and managerial capability which leads to Entrepreneur that bridge the gap between the advanced technology and the end users.

# MESSAGE FROM HEAD OF THE DEPARTMENT

It is a great sense of joy and happiness in witnessing the creative works of the students who have contributed to TECHMANIA'21-Dec Issue. The Department of EEE has always supported and guided the students in bringing out their talents. They stand as a witness to the monumental efforts taken by the management to make the college a center of excellence in education and research.It is great to find a considerable number of articles, poems and drawings that certainly prove that our students are adequately equipped and possess necessary skill sets to express their talent.Reading this magazine would definitely be an inspiration and motivation for all students to contribute even more to the forthcoming issues. I hope that everyone would continue to give their full efforts to keep the momentum and continue to enhance the standards of the magazine

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# TABLE OF CONTENTS

# Nick Vujicic

Nick Vujicic, famous for his inspirational speeches, was born without limbs in his body. However, instead of letting his disability deter his everyday life, he took it as a challenge, using it to change millions of lives with the same faith that kept him going. As a child of ten, he always wondered why he was different from others, and decided to drown himself since he saw no purpose to his living.

However, he stopped himself in time, thinking of his loving parents and how much it would hurt them to see him dead. From then on, there was no looking back for this young man, who now has founded his own organization, called ‘Life Without Limbs’. He has released motivational films, like 'Life's Greater Purpose' and 'Biography of a Determined Man of Faith'. He has also written a book titled 'Life Without Limits: Inspiration for a Ridiculously Good Life'. This speaker has even acted in a short film, ‘The Butterfly Circus’, earning the film three awards, and bagging one himself, for his brilliant portrayal of a man very much like himself, who is given a second chance to love himself.

When Nick, as he is known, turned seventeen, he started delivering speeches in his church group. He earned a Bachelor's degree in Commerce, specializing in financial planning and accountancy, from the 'Griffith University' in Queensland.As a speaker, he mainly addresses school children, young adults, and working professionals. He has also spoken at various churches, all across the globe, because he believes that Christ loves him as He loves all his children.In his career, Nick has travelled to more than sixty countries around the world, and has touched the lives of millions of people. In 2005, he established an NGO named 'Life Without Limbs', which has its headquarters in Agoura Hills, California.In the same year, Vujicic released the DVD of a documentary movie, titled 'Life's Greater Purpose'. The film talks about the motivational speaker's childhood, how he learned to use whatever was there of his limbs, and his married life.

Nick is an evangelist who is known for his organization, ‘Life Without Limbs’, that hosts events and presents talks on courage and faith in God to overcome any adversity faced in life.

In 1990, Vujicic's determination and courage impressed the world, and he was felicitated with the 'Australian Young Citizen Award'.He was one of the contenders for the 'Young Australian of the Year Award' in the year 2005.In 2010, he won the 'Best Actor in Short Film' award at the 'Method Fest Independent Film Festival' for his performance in the role of Will, from the movie 'The Butterfly Circus'.

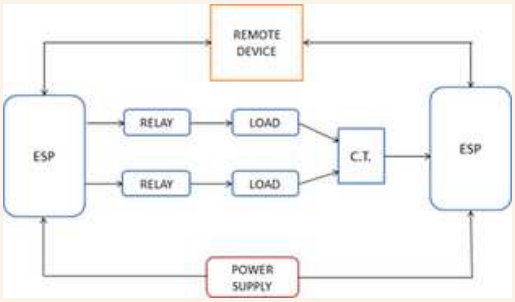
**SHIVANI T**
**III EEE**

# IMPLEMENTATION OF SMART ENERG METER WITH REMOTE LOAD MANAGEMENT

*With the development in modern communication technology, every physical device is now connecting with the internet. IoT is getting emerging technology for connecting physical devices with the user. In this paper we combined existing energy meter with the IoT technology*

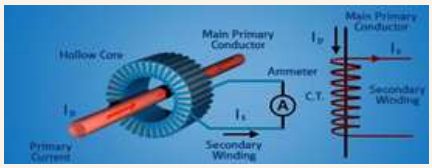
*In the computer age of the 21st century, more and more tasks are becoming automated. Automation can make things easier, safer, and often more cost efficient. What was once the stuff of world's fairs and science fiction is today a reality, so learn about the benefits and capabilities of applying today's technology to your home.*

*A smart phone or web browser can be used to control or monitor the home automation system.*




## CURRENT TRANSFORMER

A current transformer is a device for measuring a current flowing through a power system and inputting the measured current to a protective relay system. Electrical power distribution systems may require the use of a variety of circuit condition monitoring devices to facilitate the detection and location of system malfunctions.

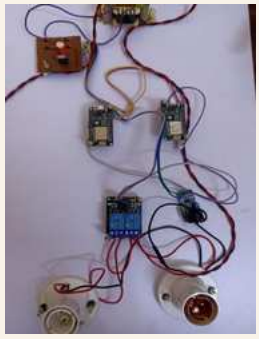



## *WORKING OF A TRANSFORMER*

*The working principle of Transformer is very simple. It depends upon Faraday's law of electromagnetic induction. Actually, mutual induction between two or more winding is responsible for transformation action in an Electrical Transformer.*

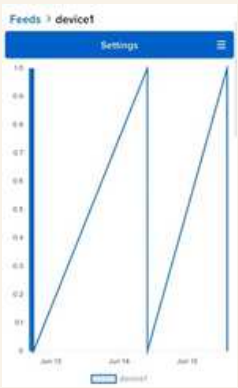
*The difference in voltage between the Primary and the Secondary windings is achieved by changing the number of coil turns in the Primary winding compared to the number of coil turns on the Secondary winding.*

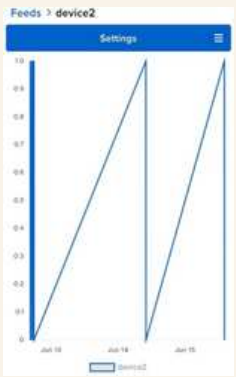
*As the Transformer is a linear device, a ratio is done between the number of turns of the primary coil divided by the number of turns of the secondary coil. This ratio, called the ratio of transformation, more commonly known as a Transformers "turns ratio". This turn's ratio value dictates the operation of the Transformer and the corresponding voltage available on the secondary winding.*



If the Transformer's ratio is 10:1, then if there are 2200 volts on the Primary winding there will be 220 volts on the Secondary winding. Then we can see that if the ratio between the number of turns changes the resulting voltages must also change by the same ratio.

Arduino programs may be written in any programming language with a compiler that produces binary machine code. Atmel provides a development environment for their microcontrollers, AVR Studio and the newer Atmel Studio.The Arduino project provides the Arduino integrated development environment (IDE), which is a cross-platformapplication written in Java. It originated from the IDE for the Processing programming language project and the Wiringproject. It is designed to introduce programming to artists and other newcomers unfamiliar with software development. It includes a code editor with features such as syntax highlighting, brace matching, and automatic indentation, and provides simple one-click mechanism for compiling nd loading programs to an Arduino board. A program written with the IDE for Arduino is called a "sketch".



In this project, commands are given to the google assistant .Home appliances like are controlled according to the given commands. The commands given through the google assistant are decoded and then sent to the microcontroller and it control the relays. The device connected to the respective relay turned On or OFF as per the users request to the Google Assistant. The microcontroller used is Node MCU (ESP8266) and the communication between the microcontroller and the application is established via Wi-Fi (Internet). This project is about wireless home automation with current consumption level using mobile helps us to implement such a fantastic system in our home at a very reasonable price using cost-effective devices. Thus, it overcomes many problems like costs, inflexibility, security etc. In addition, will provide greater advantages like it decrease our energy costs, it improves home security. In addition, it is very convenient to use and will improve the comfort of our home.

**KANNAN.B**

**III YEAR EEE**

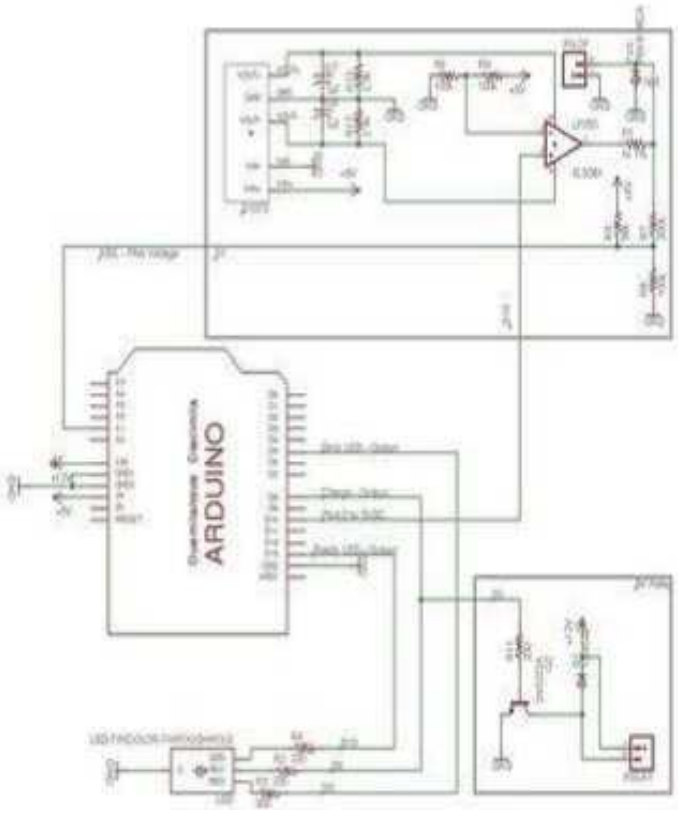
# ELECTRIC VEHICLE BUNK:

While electric vehicles are generally seen as clean vehicles, they are not completely clean because the production of electricity might generates emissions as well. The current scenario of today's solar energy ecosystem is highly unstructured and localized..Today with the advancements in the sensor technology it is very viable option to connect the energy systems to GSM.

Once these systems are connected, the user can receive the messages and analyze performance, productivity and efficiency .This project aims at finding a possible and viable method to connect the electric vehicle charging station and perform analytical operation to increase efficiency of Electrical energy.

The application for the designed Pulse Width Modulation Motor Control circuit including Battery Management System is in the field of battery powered cars.

switch contactor, incorporating appropriate safety measures and interlocks, control the reversing contactor, incorporating appropriate safety measures and interlocks, power the vacuum pump in the EV braking System, power the toaster heater contactor and power DC-to- DC-contactor, where as the power management system ensured that the power distribution are in order and at the meantime achieving maximum transfer efficiency. The power management system 2 includes converter circuit, charging circuit, motor drive and base drive circuit. In this report, the works are mainly focus on power management system and base drive circuit inclusive of their controller and converter circuit.



## PROPOSED SYSTEM:

The proposed EV battery charger offers an improved power quality- based charging profile to the EV battery.

This may solve the issue of cheating activities. But our proposed design gives real-time notification as we as it reduces human interactions in refueling process which means low labor cost in refueling business for the station owners. These reason can motivate the station owners to use the proposed model. It also keeps record of data. Data can be useful in many occasions regarding business and economical analysis. The system can be implemented in every country for helping people to trace the quantity of fuel they are buying and the amount of transaction they are doing, this data may help to know about the economy of a country. This system will ensure the accuracy of fuel disposal and also will be able to stop system loss, which causes a great loss for both user and owners of the pump.

## EXISTING SYSTEM:

In the above method time and manual work is done by owners of the vehicle. For some aged people or medically ill people it will get even hard. To get electric to fill generators people need to go to an electric recharge bunk station.

## Techopedia Explains Power Supply:

Most computer power supplies also have an input voltage switch, which can be set to 110v/115v or 220v/240v, depending on the geographic location. This switch position is crucial because of the different power voltages supplied by power outlets in different countries.

Most computers now use a switched-mode power supply, which changes AC current to DC voltage. This voltage can be switched on and off electronically. A switched- mode power supply can also shut itself down before damage is done when a short is detected.

Most computer power supplies include a number of switched-mode supplies, which operate independently by producing a single voltage.

More incentives, tax cuts, and rebates should be given to the vehicle purchasers along with the stockholders
More spending on R&D
Phasing out the ICE vehicles

Creating proper infrastructure
Several drives to make people conscious of the benefits of using EVs

**-Jeya preethi.P**
**III year-EEE**

# SMART HEALTH  MONITORING SYSTEM:

The whole world is confronting the dangerous pandemic of covid-19. This minacious virus is easily contagious spread and causes horrendous disease. The premature symptoms are fever with raise in body temperature. People are advised by the health organizations, to cover up their face using masks, so that the dissemination is limited. To ease this caseload, an introduction of a contactless auto-monitoring system will help people adhere to advisories set forth by the health organizations. The screening of the human body temperature includes the application of a non-contact infrared thermometer (NCIT).

This implementation put forwards the recognition of body temperature in small premises using infrared rays. This sensor is embedded into the raspberry pi controller which stores the discerned readings of temperature in cloud server through Java-archive.

Therefore, to prevent rapid COVID-19 infection, many solutions, such as confinement and lockdowns, are suggested by the majority of the world's governments.

However, this COVID-19 management inefficacy can be additionally explored with game-theoretic scenarios beyond the public goods game.

The data collected is accumulated in a cloud server which can be retrieved and validated in the database management system. For the surveillance of social distancing, we used the IoT platform with the algorithm predefined in python language. This smart health monitoring system for covid prevention can be implemented in various public places like hospitals, malls, meeting halls, schools, and colleges.

The main objective of our project is to ensure the safe well-being of people entering any premises all around from the spread of covid-19 using face mask detectors, non-contact infrared thermometer for surveillance. Even though there is a chance of high validation losses in existing models like mobile-net mask model we have overcome this loss by using hardware like a surveillance camera which is easy to access and control the movements and also easy to maintain the cumulative data.

## MOBILE NET MASK MODEL:

As a solution to the shortage of radiologists, this method can be used in remote places especially in countries affected by COVID-19. the most important advantage of this method is that such models can be used to diagnose supplementary chest-related diseases such as tuberculosis and pneumonia. However, the proposed work fits well into the COVID-19 detection phase, but to ensure its efficiency and model reliability, t

## DESCRIPTION:

Artificial intelligence is used in detecting a person's identity. Raspberry pi controller combined along with controlled area network (CAN) protocol for communication acts as an IoT device. The process of storing and retrieving a database is completed with data validation in the database management system. The available technology to sense the human body temperature from long distances uses a thermal camera which is costly and large. The sensed temperature readings get stored in the cloud through the Java archive.

This non-contact infrared thermometer (NCIT), linked with the raspberry pi controller stores the detected values of temperature in cloud server management. It is been used in the IoT platform with the algorithm which is predefined in python language as an open-source object.

## IMAGE PROCESSING:

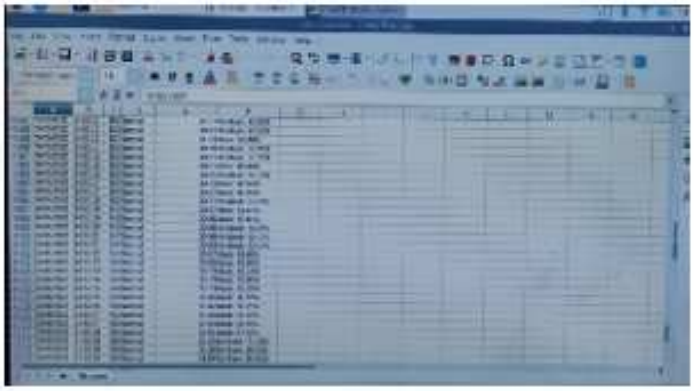
Most image-processing techniques involve treating the image as a two- dimensional signal and applying standard signal-processing techniques to it. Images are also processed as three-dimensional signals where the third- dimension being time or the z-axis.

Digital image processing is the use of computer algorithms to perform image processing on digital images. As a subcategory or field of digitalsignal processing, digital image processing has many advantages over analog image processing. It allows a much wider range of algorithms to be applied to the input data and can avoid problems such as the build-up of noise and signal distortion during processing. Since images are defined over two dimensions (perhaps more) digital image processing may be model in the form of multidimensional systems.

## DUAL CLUSTERING METHOD:

This method is a combination of three characteristics of the image: partition of the image based on histogram analysis is checked by high compactness of the clusters (objects), and high gradients of their borders.

If the detected temperature is above the predefined value then the raspberry pi controller sends an alert notification to the Gmail. If the temperature is in normal state then it just stores the value of it in file.csv and gets overread every time when accessed.



Due to the urgency of controlling COVID-19, the application value and importance of real-time mask and social distancing detection are increasing., is work reviewed, firstly, many research works that seek to surround COVID19 outbreak, it clarified the basic concepts of deep CNN models. After that, this paper reproduced the training and testing of the most used deep pretrained-based CNN models on the face mask dataset.

It can be used in smart city innovation, and it would boost up the development process in many developing countries. Our framework presents a chance to be more ready for the next crisis or to evaluate the Embedded vision system for face mask and temperature detection. Test of the proposed framework on the embedded vision system. Scientific Programming 19 effects of huge scope social change in respecting sanitary protection rules.

It can be used in smart city innovation, and it would boost up the development process in many developing countries. Our framework presents a chance to be more ready for the next crisis or to evaluate the Embedded vision system for face mask and temperature detection. Test of the proposed framework on the embedded vision system. Scientific Programming 19 effects of huge scope social change in respecting sanitary protection rules.

**-Swathi.P**
**III-YEAR EEE**

20

# ARDUINO BASED POWER SAVING IN INDUSTRIAL LOADS :

*Power quality is gaining a lot of interest lately by researchers and engineers as electricity is a vital part of our daily life. The aim of this paper is to survey some of the recent existing systems, techniques and methods that are being used to monitor power quality. The survey focuses mainly on power quality monitoring systems which are composed of various tools, software, communication links etc. that work together as one coherent system. Another goal is to develop an understanding about the quality management in the area of power industry. Some of the methods and techniques that are presented discuss about power quality meter placement techniques.*

*The input power may get disturbed due to various factors.*

*Here in our project,we monitor the voltage level,frequency and*

*ower Quality Monitoring (PQM) has many benefits, such as improving performance and quality. A PQM System will gather, analyze, and interpret raw electricity measurement data into useful information. A typical monitoring system measures voltage and electrical current, but ground quality may also be measured if unbalanced loads or harmonics are detected.*

*There are a number of reasons to employ power quality monitoring. It allows plants to perform energy management, preventive maintenance, quality control, and saves money. Today, many end users have sensitive telecommunication or computer equipment that don't utilize PQM. This makes them vulnerable to power quality issues. Also, today's customers understand the consequences of power fluctuations and expect a higher level of service. Currently, it is estimated that power outages account for up to 40 percent of all business downtime.*

In short, Power Quality Monitoring System monitors the quality of voltage and current produced by a power plant. It's employed to decrease plant and customer downtime, and optimize the quality of electricity delivered. A good system will also improve the performance, efficiency, and longevity of power generating equipment.

## *Existing System:*

*This is a broad term that incorporates all procedures and forms of connecting and communicating between two or more devices using a wireless signal through wireless communication technologies and devices. From the previous work there are several types of technology that have been used for wireless battery monitoring system such as GSM, ZigBee, GPRS, Android, WIFI and Bluetooth communication. GSM (Global system for Mobile Communication) is a type of wireless communication that are very popular worldwide. Its frequency band is either 900MHz or 1800MHz.Android is an operating system for mobile phones, tablets and a growing range of devices encompassing everything from wearable computing to in-car entertainment. Android is a Linux-based software system, and similar to Linux, is free and open source software. It can be developed by anyone as it is Linux-based open source. The operating system is able to inform you of a new notification, SMS, Email or even the latest articles from an RSS Reader. Unfortunately, it always need an active internet connection or at least GPRS internet connection in that place so that the device is ready to go online to suit people's needs. Furthermore, the operating system has a lot of process in the background causing the wasteful of batteries.*

## PROPOSED SYSTEM:

*In this paper we presents the design of a battery voltage sensor of an Uninterruptible power supply (UPS) by means of an Arduino board technology. The battery sensor senses the external battery voltage value and compares it with the dc charging voltage of an Uninterrupted Power Supply.Current Sensor detects the current in a wire or conductor and generates a signal proportional to the detected current either in the form of analog voltage or digital output.*

*Current Sensing is done in two ways – Direct sensing and Indirect Sensing. In Direct sensing, to detect current, Ohm's law is used to measure the voltage drop occurred in a wire when current flows through it.*

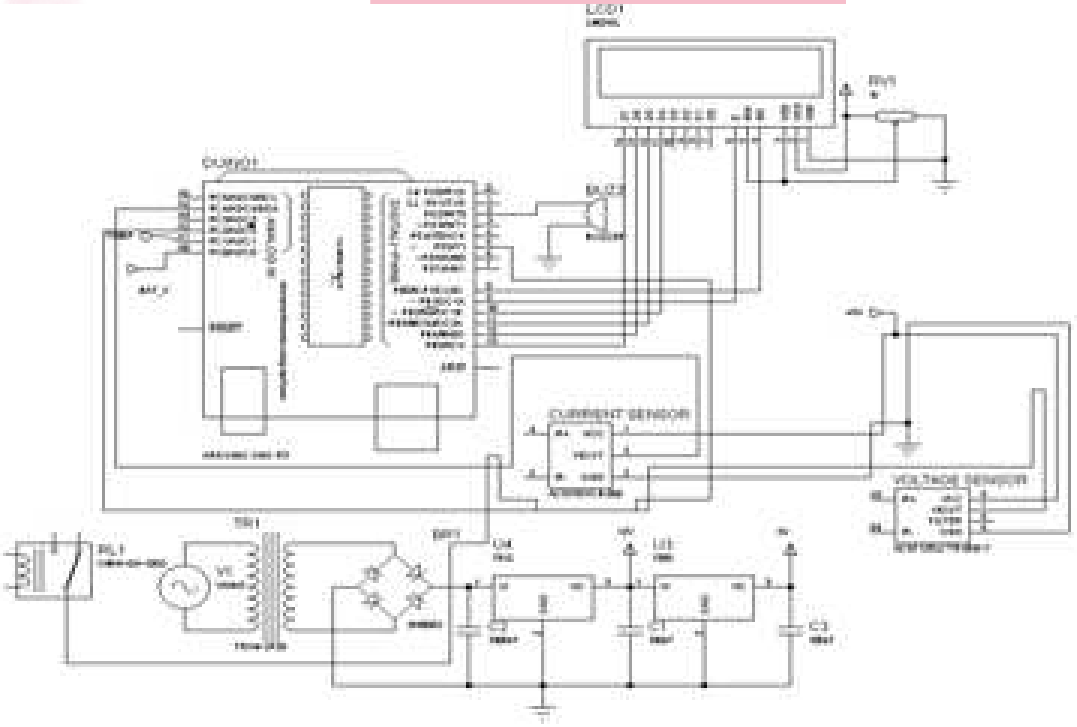
*A current-carrying conductor also gives rise to a magnetic field in its surrounding. In Indirect Sensing, the current is measured by calculating this magnetic field by applying either Faraday's law or Ampere lawACS712 Current Sensor uses Indirect Sensing method to calculate the current. To sense current a liner, low-offset Hall sensor circuit is used in this IC..ACS712 has a nearly zero magnetic hysteresis.*

*Where Pin-1 to Pin-4 forms the conduction path, Pin-5 is the signal ground pin. Pin-6 is the FILTER pin that is used by an external capacitor to set the bandwidth. Pin-7 is the analog output pin. Pin-8 is the power supply pin.*

## *Applications of ACS712 Current Sensor:*

*This IC can detect both AC and DC current so, it has a wide range of applications. ACS712 is used in Peak detection circuits, circuits to increase gain, rectification application for AtoD converters,Overcurrent fault latch, etc...This IC is applicable for Automobile applications. Some of the typical applications of this IC can be found in motor control circuits, for load detection and management, SMPS, overcurrent fault protection circuit.*

## CIRCUIT DIAGRAM:



## *CIRCUIT EXPLANATION:*

*power quality monitoring systems which are composed of various tools, software, communication links etc. that work together as one coherent system. Another goal is to develop an understanding about the quality management in the area of power industry. Some of the methods and techniques that are presented discuss about power quality meter placement techniques. The project is having enough avenues for future enhancement. The project is a prototype model that fulfills all the logical requirements. The project with minimal improvements can be directly applicable for real time applications. Thus the project contributes a significant step forward in the field of "automations", and further paves a road path towards faster development s in the same field. The project is further adaptive towards continuous performance and peripheral up gradations. This work can be applied to variety of industrial and commercial applications.*

**-Yamini.R**

**III year -EEE**

# REAL TIME MONITORING SYSTEM FOR HYPERTENSION PATIENT USING IoT

## WORKING:

The system has a compact design that can be taken anywhere that provides 24/7 health surveillance. Based on their condition the details can be easily stored and segregated.

At first the scheme periodically monitoring device the health consideration of the patient when everything is under perfect balance stipulation then the system remains stalls. When there is a slight change or instability in somebody's health condition, the alert sign is first sent to the relatives or the person whose number is been registered in the server.

So, when the condition becomes severe then the ambulance is called by the server itself with detail implemented in it. By this the patient can be easily admitted into the hospital at a proper time without a delay. The theories assimilated in this system are,

KEYWORDS: Raspberry pi, IoT,
Triangulation, Health monitoring,
Cloud.

## IoT:

The Internet of Things (IoT) is a mechanical and computerized machine that gives special identifiers (UIDs) and moves information over a system without requiring collaboration among people and PCs.

Because of the mix of different advances, constant examination, AI, item sensors, and inserted frameworks the idea of the Internet of things has developed. Conventional fields of implanted frameworks, remote sensor systems, control frameworks, robotization (counting home and building mechanization), and others all assistance to empower the Internet of Things

## TRIANGULATION PROCESS:

Triangulation is a method / process by which it is possible to determine the position of a radio transmitter by either calculating the radial distance or direction of the transmitted signal from two or three different points to locate a device. In wireless communications / mobile networks triangulation is often used to identify a user's geographical location. In Triangulation process, for triangulation, it uses radio towers that close to your phones. The handset must send out a roaming signal to a radio tower nearby. The phone's location is determined by how intensely the signal is transmitted to every radio tower that receives it.

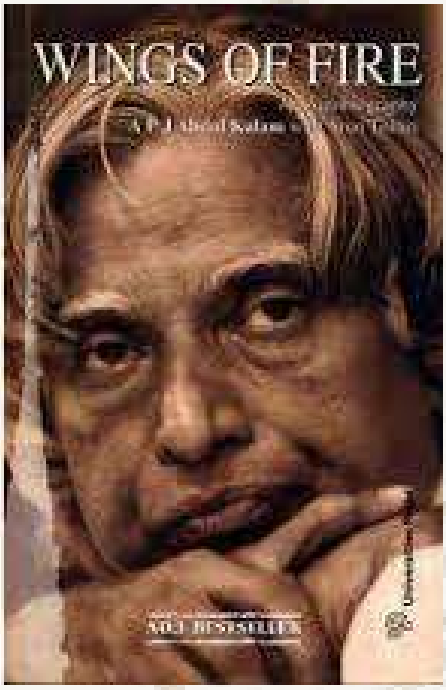
## THINGSPEAK:

"ThingSpeak" is an open-source Internet of Things (IoT) framework and an API for storing and retrieving data from objects over the Internet or through a local area network using the HTTP and MQTTprotocol. ThingSpeak allows the development of applications for sensor logging, location monitoring and a social network of items with updates of status.

**BOOBAESH .S**
**III YEAR EEE**

## Book Review:

### Wings of Fire by Dr. APJ Abdul Kalam




Wings of Fire is an autography of APJ Abdul Kalam covering his early life and his work in Indian space research and missile programs. It is the story of a boy from a humble background who went on to become a key player in Indian space research/Indian missile programs and later became the president of India.

The book has been very popular in India and has been translated into multiple languages. I recently picked up a copy and read it in a couple of days. It was very engaging initially, but tended to drag a bit towards the end with lot of technical details and procedural information of his space research and missile projects.

Wings of fire covers Kalam's personal life only briefly which is strange for an autobiography.

the book covers a lot of "behind the scene" information and technical details about India's satellite and missile program (SLV-3, Prithvi, Agni, Thrisul, Akash and Nag). This might interest technically inclined readers but is sure to put off readers who bought the book to get to know Kalam or to know his principles/ideas. Space and missile programs are huge complex projects and managing them is extremely challenging. The book does give a glimpse of the participatory management technique adopted by Kalam, but at the same time it doesn't go into details.

Wings of fire covers Kalam's personal life only briefly which is strange for an autobiography. For example, we don't know why he decided to remain single or his activities outside space research (even though we can conclude in the end that he was married to science and technology).

Kalam is a poet and is a huge fan of poems. The book contains many of his own poems and his favorite poems

" Do not look at Agni
as an entity directed upward to deter the ominous
or exhibit your might.
It is fire in the heart of an Indian.
Do not even give it the form of a missile as it clings to the burning pride of this nation and thus is bright."

Through Wings of Fire, we come across some brilliant people who worked behind Indian space research such as Vikram Sarabhai and Dr. Brahm Prakash. The book also contains about 24 photos and I found the ones from the early days of Indian space program very interesting. This alone is worth the price of the book!

**VAISHALI SANKARI .G**
**III YEAR EEE**

# IDIOMS AND PHRASES

# 1. Extend the olive branch

## Meaning:

To extend the olive branch is to take steps towards achieving peace with an enemy (or simply someone with whom you have fallen out).

## Example:

"I thought it was about time I went over there and extended the olive branch."

## Origin:

This expression has biblical origins, and was seen as an emblem of peace. In Genesis, a dove brings an olive branch to Noah to indicate that God's anger had died down and the flood waters had abated.

## 2. Larger than life

### Meaning:

The phrase “larger than life” refers to a flamboyant, gregarious person whose mannerisms or appearance are considered more outlandish than those of other people.

### Example:

“His colourful waistcoats and unusual taste for hats made him a larger-than-life character in the local community.”

### Origin:

First recorded in the mid-20th century, the phrase was famously used by The New Yorker to describe wartime Prime Minister Sir Winston Churchill.

# 3. Know the ropes

## Meaning:

Someone who "knows the ropes" is experienced at what they are doing. "Showing someone the ropes" means to explain to them how something is done.

## Example:

"Ask John, he knows the ropes around here."

## Origin:

This phrase has its origins in the golden age of sailing, when understanding how to handle the ropes necessary to operate a ship and its sails was an essential maritime skill. By the mid-19th century it was a common slang expression, and it survives to this day.

# 4. Knight in shining armour

## Meaning:

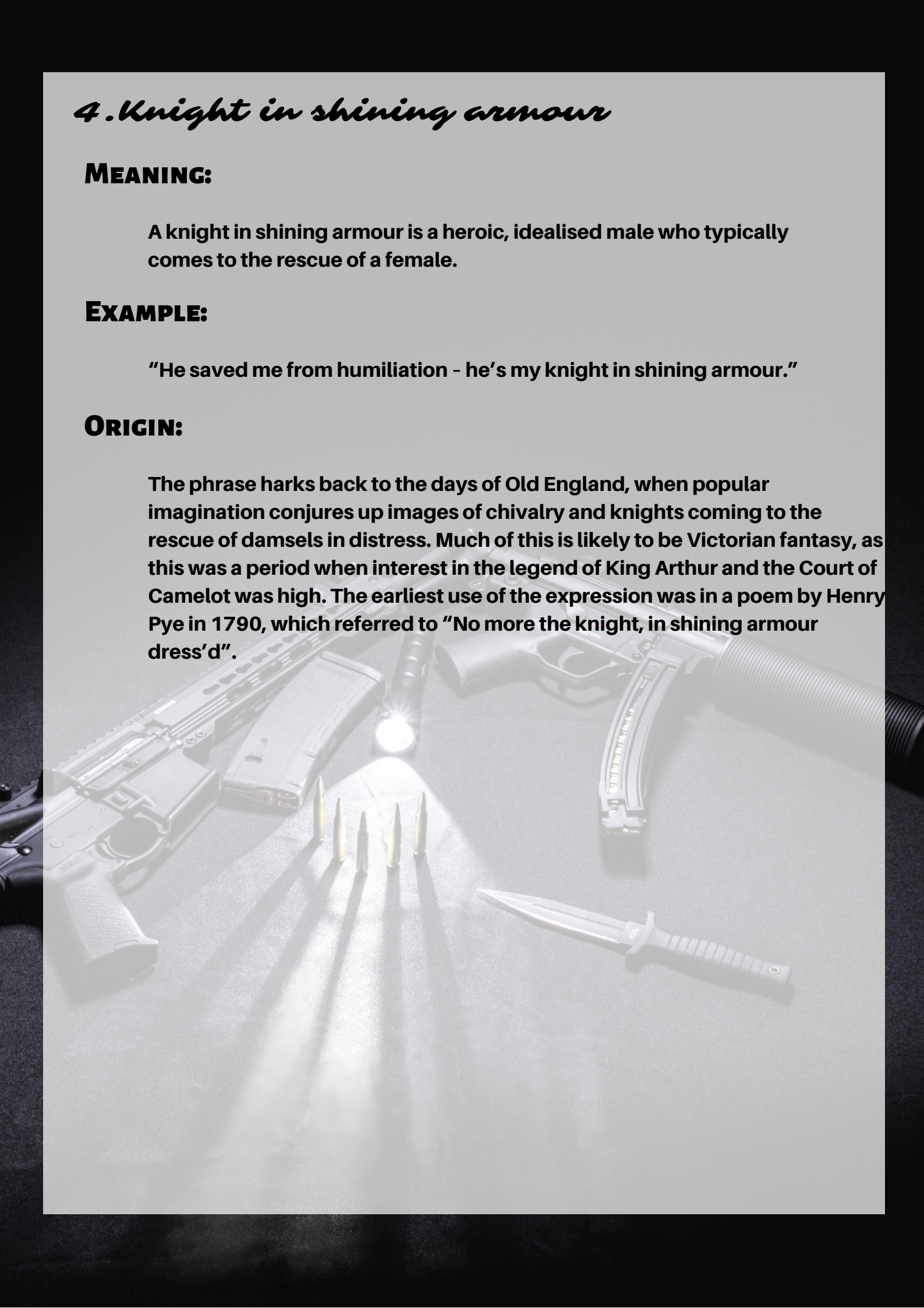
A knight in shining armour is a heroic, idealised male who typically comes to the rescue of a female.

## Example:

"He saved me from humiliation - he's my knight in shining armour."

## Origin:

The phrase harks back to the days of Old England, when popular imagination conjures up images of chivalry and knights coming to the rescue of damsels in distress. Much of this is likely to be Victorian fantasy, as this was a period when interest in the legend of King Arthur and the Court of Camelot was high. The earliest use of the expression was in a poem by Henry Pye in 1790, which referred to "No more the knight, in shining armour dress'd".



## 5. Call it a day

### Meaning:

This means to stop doing something for the day, for example work, either temporarily or to give it up completely.

### Example: :

"I can't concentrate - let's call it a day."

### Origin :

The expression was originally "call it half a day", first recorded in 1838 in a context meaning to leave one's place of work before the working day was over. "Call it a day" came later, in 1919.

By,

VISHWAKSENAN.N

II YEAR EEE


POEM

# NATURE

I love the sound of birds
so early in the morn,
I like the sound of puppies soon after they are born.
I love the smell of flowers
and the taste of honey from bees.
I love the sound the wind makes when it's blowing through the trees.
I love the way the sky looks on a bright and sunny day,
and even when it's rainy, I love the shades of gray.
I love the smell of the ocean, the sound of waves upon the sand,
I love the feel of seashells and how they look in my hand.
And when the sun is gone, I love the moon that shines so bright,
I love the sounds of crickets and other creatures of the night.
So when I lay me down to sleep, I thank the Lord above,
For all the things of nature and more, all the things I love.

S. Vetha Samuvel Nishanth
II Year EEE

# THE STORY OF MY LIFE

WE COME FROM A MILE,

TO MAKE YOU SMILE.

SHOWER OVER THE LAND,

IN FORM OF BAND.

WE AS THE MESSENGER OF GOD,

COME TO BLESS YOU FROM ABODE.

WE EMERGE FROM THE HEART OF THE SEA,

AND FALL WHILE YOU ENJOY YOUR TEA.

WE ARE LIKE TEARS,

LIKE A BLUE PEARL IN YOUR EARS.

RUNNING DOWN FROM RUNNING CLOUD,

CHATTER CHATTER I FALL ALOUD.

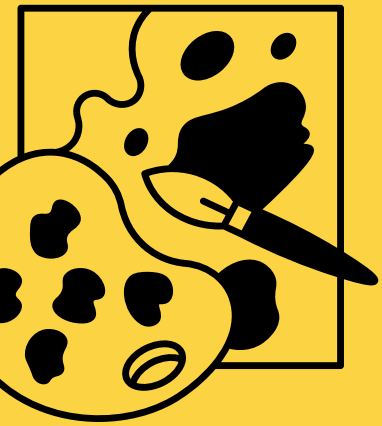
WE KNOW YOU WERE WAITING,

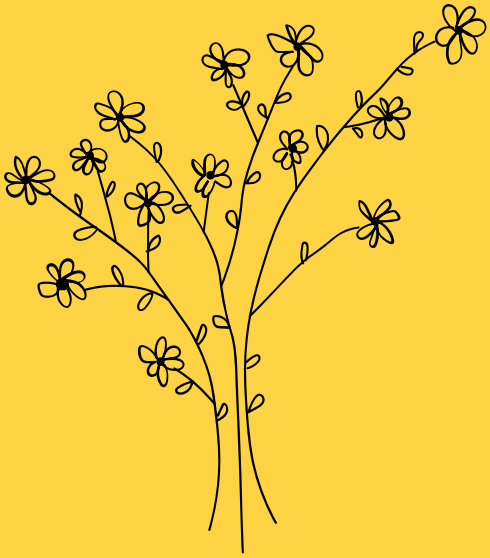
FOR THE RAINBOW MY BROTHERS ANIMATING.

WAIT! FAR WE ARE COMING FROM A MILE,

TO MAKE YOU SMILE....

J. Michael Segaya Sebatiney
II Year EEE



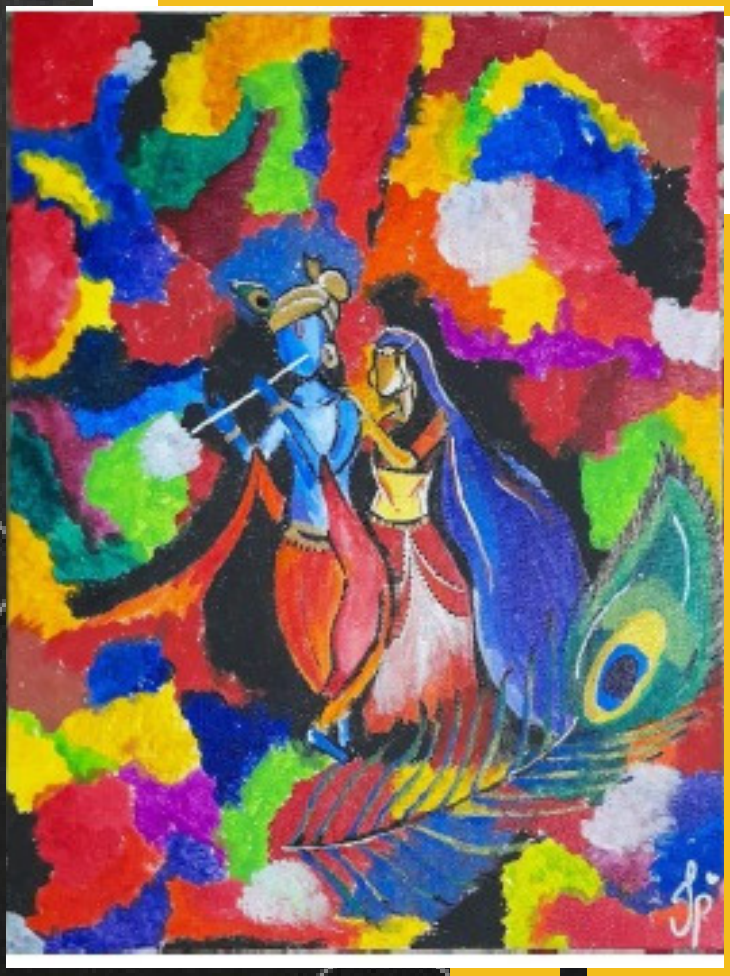


# ARTWORK

**P. JEYAPREETHI**
**lil nd YEAR EEE**

**K.J.PADMAVARSHINI**
**Iv YEAR EEE-A**

KANNAN
III YEAR EEE



KANNAN
IIi YEAR EEE

**Inspiration is like a spark. It can light the whole city. One frail lady with strong conviction has motivated thousands of others to have good education and be proud citizens. One Velammal has kindled the spirit of Thousands of Velammalians.**

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

DEPARTMENT OF EEE