



# M.I.E.T. ENGINEERING COLLEGE

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## 1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Dept: ECE

Academic Year: 2019-2020

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**ENERGY HARVESTING STORAGE SYSTEM AND CHARGING  
MONITORING USING GSM MODULE**

**A PROJECT REPORT**

*Submitted by*

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*In partial fulfillment for the award of the degree*

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**BACHELER OF ENGINEERING**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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**APRIL 2020**

  
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Certified that this project report “POWER GENERATION AND FAULT DETECTION USING WIRELESS SENSOR NETWORKS” is the bonafide work of “R.Shabhan (812416106032), P.Mohana Sundari (812416106307), R.Janani(812416106304) who carried out the project under my supervision.

  
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## ABSTRACT

The demand for power has increased exponentially with time. One avenue through which today's energy problems can be address through the generation of energy in households. Also the mechanical power transformation into electrical power as the pressure exerted by the footstep and by using piezo electric sensor is the simplest method for generation of power. Hydro power plants convert potential energy of water into electricity. The water after generating electrical power is available for irrigation and other purposes. And Wind power now represents a major and growing source of renewable energy. All the three method of power generation is simple and economic and these power stored in battery for future purpose. The integration of the Arduino and GSM Short Message Service (SMS) provide the charging condition of the battery with some automatic functions that are predefined. The goal of providing such data is to optimize and monitor the condition of power generation.

## CHAPTER 6

### CONCLUSION

Project work based on the idea of electric power generation without polluting the environment. The waste energy in form of human walking is utilized in the system. It is very useful at crowded places to install this system to produce electricity. This system is smoother and less noisy in operation and provides flexibility in working. This system plays an important role for producing electricity at places where there are no sources of electricity like village areas. The demand for power has increased exponentially with time. One avenue through which today's energy problems can be addressed through the generation of energy in households. There is no need of energy from conventional source of energy and there is zero percent of pollution in this type of power generation. There is no need of any kind of power from mains. If this project is activated it will not only add and overwhelm the energy deficit problems but this will also form sound global environmental change.

#### 6.1 FUTURE SCOPE

The future can be different. By keeping power sources close to the end user, power is less likely to disappear when a tree falls on a power line. In this situation improves the resilience of our energy systems. One recent example remains unresolved. A month after Hurricane Maria hit Puerto Rico, a US territory with 3.4 million people, 80% of the island still has no electricity. This tragedy shows the fragility of traditional centralized power generation and transmission. Being able to go small matters. Together, these technologies enable distributed generation, even at the level of individual homes. This can be critical for the developing world, where billions of people still don't have access to reliable power. This can help us to deliver power to all faster.

This energy source is renewable and continuous. Footsteps, wind turbine and water turbine are the main source of power generation. There is no need of energy from conventional source of energy and there is zero percent of pollution in this type of power generation. There is no need of any kind of power from mains and it is important to the areas, all tracks where footsteps are used to generate non-conventional energy such as electricity. The contribution of Non-conventional energy to our primary energy is 11% that is a common fact.

**A TOMATO LEAF DISEASE PREDICTION AND  
RECOMMENDATION USING MULTILAYER DEEP  
CONVOLUTIONAL NEURAL NETWORK**

**A PROJECT REPORT**

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## ABSTRACT

Tomatoes (*Solanum lycopersicum*) can be grown on almost any moderately well-drained soil type. Tomatoes crop and yield is suffered every year due to number of fungal diseases. Important fungal diseases limiting tomato production. Diseases caused by fungus is develop through soil-borne, above-ground infections and in some instances are transmitted through pest and insect feeding. However, the existing research lacks an accurate and fast detector of tomato leaf diseases for ensuring the healthy development of the tomato industry. This project is to develop an appropriate and effective method for diagnosis of the disease and its symptoms. This paper proposes a deep learning approach that is based on Multilayer Deep convolutional neural networks (CNNs) for the real-time detection of tomato leaf diseases. The proposed deep-learning-based approach can automatically identify the discriminative features of the diseased tomato leaf images and detect the ten common types of tomato leaf diseases with high accuracy. In addition, the proposed approach can handle all the diseased tomato leaf images that were captured under real conditions in a tomato field environment. To analyze the proposed deep model, we have used visualization methods to understand symptoms and to localize disease regions in leaf.



## CHAPTER 6

### CONCLUSION

The photo leaves plant detection and classification system is implemented using convolutional neural networks. The result is proper sets of training data are able to distinguish between diseases plant regions. If we are interested in denoising, compression, restoration, often more appropriate. A hybrid approach is recommended in solving properly the detection and classification problems in plant diseases. Our method is used to predict the diseases accurately. Then these methods are used to predict the disease is affected or not affected by using a comparison method. These methodologies are validated by a comprehensive set of comparisons against competing and well-established image registration methods, by using real training datasets and classic measures typically employed as a benchmark by the plant imaging community our proposed method is mostly used in medical field. It is used to easily detect the plant diseases.

### FUTURE WORK

The Future scope of this project is that this method can be used for all the plants which is primarily done for few plants currently to make sure each plant grown by farmers are healthy and can be given proper care.

**DUAL-BAND MILLIMETER-WAVE ANTENNA  
FOR 5G MOBILE APPLICATION**

**A PROJECT REPORT**

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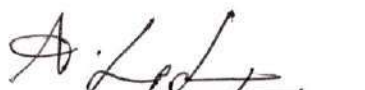
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## ABSTRACT

A Dual-band Millimetre Wave Antenna for 5G Mobile Application. In this work, a microstrip antenna suitable for broadband millimeter wave mobile communication is proposed. The microstrip antenna is fed by a coplanar waveguide (CPW) structure with a matching port connected to a 50- $\Omega$  resistor. The operating bandwidth of the antenna is able to cover both the 28GHz and the 39 GHz bands for 5G millimeter wave applications. In addition, an eight-element array is developed and studied. Results show that the array can cover the beamwidth from  $-30^\circ$  to  $30^\circ$  in yoz-plane, which can meet the beamforming requirement for the 5G wireless communications.

## CHAPTER 6

### CONCLUSION AND FUTURE WORK

#### 6.1 CONCLUSION

The proposed antenna has broadband characteristic to cover both 28GHz and 39GHz bands for 5G communication. A Dual-band Millimetre Wave Antenna for 5G Mobile Application. A microstrip antenna suitable for broadband millimeter wave mobile communication is proposed. The microstrip antenna is fed by a coplanar waveguide (CPW) structure with a matching port connected to a bands for 5G millimeter wave applications. In addition, an eight-element array is developed and studied. Results show that the array can cover the beamwidth from  $-30^{\circ}$  to  $30^{\circ}$  in yoz-plane, which can meet the beamforming requirement for the 5G wireless communications. An 8- element array is also studied to verify the proposed antenna can be a good candidate for terminal device applications.

#### 6.2 FUTURE WORK

The Future work of project the antenna will be working for ultra high frequency. The dual band applications developed and working on multiple band applications.

**A LOW PROFILE STACKED PATCH ANTENNA FOR  
PATTREN-RECONFIGURABLE APPLICATIONS**

**A PROJECT REPORT**

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## ABSTRACT

A low-profile, stacked patch antenna is proposed for pattern-reconfigurable (PR) applications. A referential circular radiation patch with desired conical beams and broadside beams operation is analyzed. However, due to bad port isolation, slant radiation patterns with high cross-polarization levels are suffered. Suspended pins loading and gap-coupled feeding techniques are introduced to achieve better port isolation, which contributes to stable radiation patterns and low cross-polarization levels. Meanwhile, in order to broaden the operation bandwidth, two stacked square patches integrated with a T-shaped feeding branch are utilized and analyzed for exciting low frequency resonances at the broadside mode. By controlling the PIN diodes implanted in feeding network, reconfigurable conical and broadside beams are obtained. Measured results show that the proposed antenna yields a 10-dB operation impedance bandwidth of 11%, ranging from 2.41 GHz to 2.69 GHz. The peak gain operating at conical state and broadside state is 4.5 dBi and 7.7 dBi, respectively. The overall profile of the proposed antenna is only  $0.07 \lambda_0$ , where  $\lambda_0$  is the free space wavelength at 2.55 GHz.



## CHAPTER 7

### CONCLUSION

A low-profile and stacked antenna with reconfigurable conical radiation patterns and broadside radiation patterns is proposed and analyzed in this work. Two treatments named as suspended pins loading and gap-coupled feeding techniques are employed to improve port isolation of the referential circular patch model. Based on which, stable radiation patterns with lower cross-polarization levels are obtained. Moreover, in order to enhance operation bandwidth at the broadside mode, two square patches integrated with a T-shaped feeding branch are added on the top of the circular patch. The proposed T-shaped feeding branch itself, introducing an inductance loading, can easily tune the port input impedance through adjusting its transverse and longitudinal dimensions. A SPDT feeding network is used to realize the desired radiation beams. Measured results show that the proposed antenna has an overlapped bandwidth of 11 % ranging from 2.41 GHz to 2.69 GHz following with a low profile of only  $0.07 \lambda_0$ , where  $\lambda_0$  is the free space wavelength at 2.55 GHz.

**AN OPTIMIZED HEXAGONAL PHOTONIC CRYSTAL  
FIBER SENSOR FOR GLUCOSE SENSING**

**A PROJECT REPORT**

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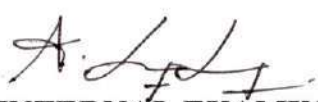
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## ABSTRACT

Optical fibers development revolutionised the field of telecommunication. The invention of photonic crystal fiber (PCF) has enlarged the fiber optic field with faster communication overcoming many limitations of traditional optical fiber. One of the most important fields of PCF application is the sensing application. PCF geometry will provide high sensitivity and low confinement loss. The proposed system describes design of optimized hexagonal photonic crystal fiber for PCF geometry for investigation of relative sensitivities for 20% - 60% of glucose solution in water at a wavelength of 1500nm. At first 20% to 60% of glucose solution in water with different refractive indexes are inserted through core of the modified hexagonal PCF. Then the simulation is done using COMSOL multiphysics and matlab is used to plot the desired properties of the PCF geometry. This work also show an active area and confinement loss of variation of the optimized hexagonal PCF when the core is field with different concentration of glucose solution. From this work the relative sensitivities are obtained approximately 40.16 to 59.65% of glucose in water when using 1600 nm wavelength. Thus a high sensitive glucose sensor is achieved with optimized hexagonal PCF structure.

## CHAPTER 6

### CONCLUSION AND FUTURE SCOPE

#### CONCLUSION

In this work, an optimized hexagonal photonic crystal fiber geometry has been designed in COMSOL multiphysics. The main focus of this project is the variation of relative sensitivity for the various concentration of glucose solution as well as with the variation of wavelength. Confinement loss is reduced and high value of relative sensitivity is achieved. The sensor is designed for the detection for various blood components like red blood cells, plasma, Hemoglobin. The structure is designed in such a way that it provides a good sensitivity.

#### FUTURE SCOPE

The work done in this dissertation can be utilized for further improvement of the sensor designs. Optimizations can be done so as to obtain a better design than those designed previously. Different diameter and different materials can be employed in the design having holes of different shapes. Instead of circular holes, different elliptical, cylindrical or other shaped holes can be used to enhance the sensitivity of the sensor. Infiltration can be done with different materials like gold, silver or any other depending upon the requirement. Fabrication of such simple designs can be easily done so as to achieve a realistic sensor for sensing of different analyses. These designed sensors can be employed in other sensing areas like sensing of chemicals, gas sensing, sensing of different liquids.

# **AIR QUALITY MONITORING USING RASPBERRY PI**

**A PROJECT REPORT**

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## ABSTRACT

Air pollution is a mixture of natural and man-made substances in the air we breathe. It is typically separated into two categories: outdoor air pollution and indoor air pollution. Outdoor air pollution involves exposures of fine particles produced by the burning of fossil fuels, coal and Noxious gases carbon monoxide, chemical gases. Indoor air pollution involves exposures to particulates, carbon oxides, household products, chemicals and tobacco smoke. This exposure can cause respiratory diseases (including asthma and changes in lung function), cardiovascular diseases, adverse pregnancy outcomes (such as preterm birth), and even death. In this research work it is proposed to develop an air monitoring system to take care of air quality level around us. This proposed model will monitor the air quality and alert the user through indication and also filter the air surrounding it. The air ppm values will be divided into certain parameters threshold levels through which system can decide the quality of air. Above model also include live dashboard where user can view the status of air online. The system also displays the data in cloud and to store the data for further analysis. This model will help in maintaining the air quality around us.



## CHAPTER - 6

### CONCLUSION

Air quality is a basic issue that clearly impacts human prosperity. Air quality data are accumulated remotely from checking bits that are furnished with an assortment of vaporous additionally, meteorological sensors. This data are researched and used as a piece of envisioning obsession estimations of pollutions using keen machine to machine organize. The system to monitor the air of environment using Raspberry PI microcontroller, IOT Technology is proposed to improve quality of air. With the use of IOT technology enhances the process of monitoring various aspects of environment such as air quality monitoring issue proposed in this paper. Here, using the MQ135 and MQ6 gas sensor gives the sense of different type of dangerous gas and Raspberry PI is the heart of this project. . In this IOT project, it can monitor the pollution level from anywhere using computer. This system can be installed anywhere and can also trigger some device when pollution goes beyond some level, like we can send alert in cloud and the buzzer will be started which induces the fan to circulate the impure air and filter the impurities and therefore pure air is exhausted outside.

**DESIGN OF LOW NOISE AMPLIFIER FOR 5G TRANSCEIVER  
USING 65nm TECHNOLOGY**

A PROJECT REPORT

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## Abstract

Next generation 5G communication, the frequency spectrum could be allocated sub 6GHz and up to mm wave frequency range. To leverage 4G LTE investments, sub 6GHz 5G could be deployed ahead of the mm wave frequency, there is strong commercial demand to investigate the sub 6GHz LNA performance for existing high band WiFi, 4G/5G smartphone applications. The first stage of a receiver is usually a low-noise amplifier (LNA). High gain and low noise figure LNA is required close to the antenna to reduce the system level noise figure. Existing LNA designs fail to deliver higher bandwidth. Here we Designed wider bandwidth LNA for Future technology using sub 6Ghz band. In proposed LNA design topology comprised of single ended Common source (CS) cascade degenerative for impedance ( $Z_{in}$ ,  $Z_{out}$ ) match to 50 ohm, and Inductive Peaking load to deliver higher bandwidth of operation. This LNA has designed using TSMC65nm process. Proposed design LNA delivered gain  $S = 20.33$  dB,  $NF < 3.5$  dB,  $P_{1dB}$  is  $-21.293$  dB,  $IIP3/OIP3$  are  $-10.25$  dBm/ $8.96$  dBm, and stability Factors  $K_f = 2.5 > 1$ ;  $B_f = 0.99 > 0$  at 5.5 Ghz center Frequency.

  
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## CHAPTER 6

### CONCLUSION


The proposed Sub 6Ghz FR1 5G LNA Cascoded single stage Common source inductive de-generation with inductive peaking architecture is designed and implemented with TSMC65nm CMOS process. Miller Effect decreased with approaching good isolation between input and output with the help of cascode structure. Total node capacitance resonates with inductance  $L_d$  both to increase gain at the center frequency and simultaneously to provide an additional level of highly desirable band-pass filtering (i.e. inductive peaking). Use of inductive peaking brings even higher voltage swing with lower supply voltage. It also decreases transconductance, which reduces  $1/f_3$  corner frequency resulting in lower close in-phase noise. Matching done at both input and output port 50 ohm impedance with the help of source degeneration and inductive peaking networks. This LNA has designed using TSMC65nm process. Proposed design LNA delivered gain  $S_{21} = 20.33$  dB ,  $NF < 3.5$  dB ,  $P_{1dB}$  is  $-21.293$  dB ,  $IIP3/OIP3$  are  $-10.25$  dBm/ $8.96$  dBm,

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and stability factors  $K_f = 2.5 > 1$ ;  $B_f = 0.99 > 0$  at 5.5Ghz center Frequency. Overall Sub 6Ghz LNA operating under wider bandwidth , which result higher data rate achieved.

### FUTURE WORK

To use FR2 5G band (mmwave based Ka-band LNA) going be designed with active inductor to reduce the layout

  
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**AN EFFECTIVE MONITORING AND MANAGEMENT  
OF WASTE IN DISPOSOR BASED ON IoT FOR  
MUNICIPALITY DEPLOYMENT**

**A PROJECT REPORT**

*Submitted by*

N.ABARNA	(812416106002)
S.BHUVANESWARI	(812416106007)
C.MADHUMITHA	(812416106015)
K.VIVEKA	(812416106041)

*In partial fulfillment for the award of the degree*

*of*


**BACHELOR OF ENGINEERING**

**in**

**ELECTRONICS AND COMMUNICATION ENGINEERING, TRICHY-7**

**M.I.E.T ENGINEERING COLLEGE::CHENNAI 600 025**

**APRIL 2020**

  
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ANNA UNIVERSITY :: CHENNAI 600 025

**BONAFIDE CERTIFICATE**

Certified that this project report "AN EFFECTIVE MONITORING AND MANAGEMENT OF WASTE IN DISPOSOR BASED ON IoT FOR MUNICIPALITY DEVELOPMENT" is the bonafied work of N.ABARNA (812416106002), S.BHUVANESWARI (812416106007) , C.MADDHUMITHA (812416106015) , K.VIVEKA (812416106041) who carried out the project work under my supervision .

  
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## **ABSTRACT**

This project is designed for garbage management via a corporation people. When alarming the device, the people also alerted.

This project is able to detect the garbage level in Dustbin and also it detects the any smell in the dustbin. This robot detects the human movements for open the dustbin. It is also measure the flow of a dustbin with axis using accelerometer. This project is designed by PIR sensor, Level sensor, Accelerometer, smell sensor, IOT, LCD display and motors. In this design, motors are connected to operate the dustbin for open/close process. Here GPS is used to locate the dustbin.



## CHAPTER 7

### CONCLUSION ANN FUTURE WORK

This project is designed for garbage management via a corporation people. When alarming the device, the people also alerted.

This project is able to detect the garbage level in Dustbin and also it detects the any smell in the dustbin. This robot detects the human movements for open the dustbin. It is also measure the flow of a dustbin with axis using accelerometer. This project is designed by PIR sensor, Level sensor, Accelerometer, smell sensor, IOT, LCD display and motors. In this design, motors are connected to operate the dustbin for open/close process. Here GPS is used to locate the dustbin.

**DESIGN OF STATIC NOISE MARGINE FREE  
LOW POWER 6T SRAM CELL**

**A PROJECT REPORT**

*Submitted by*

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**M. MUTHULAKSHMI (812 416106023)**

**P. PAVITHRADEVI (812416106025)**

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## ABSTRACT

In the Recent time, SRAM became a major component for many VLSI Chips due to big storage memory and low access time. Power Consumption is the major issue for design the SRAM CMOS design System on Chip. Power consumption also effects the chip design and Speed of the SRAM. In this project, a novel high write speed, low power, read-SNM-free 6T SRAM cell is presented. In order to increase performance, noise stability and also limit the standby power dissipation, a novel driver less 6T SRAM is proposed. In this work, following contribution are made :By separating the read current path from the cell storage node , proposed cell becomes highly stable at low voltage. The proposed cell doesn't have any driver N-MOSFETs,so the race condition during bit flipping in write operation is avoided which in turn facilitates to increase the write speed and reduce write power consumption. Proposed design implemented using TINA tool and compared with conventional 6T memories.

## CHAPTER-9

### CONCLUSION

In the nano-scaled technologies, increasing subthreshold leakage, dynamic power and degrading SNM pose major hurdle for future generation circuits, especially in SRAM Arrays. In this project, a high write speed, low power, read-SNM-free 6T SRAM cell is presented in CMOS technology. The proposed design has a cell reduced area penalty compared to conventional cell. TINA simulation result shows it can complete write and read operation in minimum energy level than a conventional cell. During read operation, the proposed cell does not induce any noise at data nodes ('Q' & 'Qbar') which makes it a read-SNM-free design.

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**IMPROVING SECURITY & CRASH PREVENTION BY SUPERVISE A  
DRIVER PHYSIOLOGICAL SYSTEM BASED ON IOT-MOBILE DEVICE**

**A PROJECT REPORT**

*Submitted by*

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J.AMEER SULTAN	(812416106004)
B.MOHAMED RIZWAN	(812416106020)
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**BONAFIDE CERTIFICATE**

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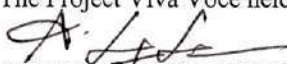
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## ABSTRACT

In recent times crash occurrence due to hair pin bend and driver drowsiness is the major causes for highway accidents. These types of accidents occurred due to sleepy and driver cant able to control the vehicle, when he/she wakes. Drowsiness in drivers has become a serious cause of concern due to the occurrences of a large number of fatalities on the road each year. Since wake-sleep is an intermediate state between two physiologically dissimilar states, physiological signals can define this transition more accurately when compared to approaches that fall in other categories. This project focuses on the role of physiological signals in detecting driver's drowsiness level. The proposed methods measure the physiological signals by means of various sensors, which monitor the driver's physiological parameters on a continual basis. Multiple sensors can be embedded on the driver or in the vicinity of the driver to capture vital signs indicating the onset of drowsiness.

  
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6.

## CONCLUSION

The proposed system helpful to avoid vehicle accidents because of driver's sleepiness using eye blink sensor, in this project we study and design the system for driver weakness detection. If the driver becomes sleepy the eye blink sensor's frame attached to the vehicle and also the LCD displays the warning messages and it alerts the driver's through alarm sound to avoid the road accidents. In this project we will generate a model which can prevent such an incident.

The wheel is slowed or stopped depending on the condition. The proposed method used to measure physiological signals in drowsiness detection. Though various sensor to measure drowsiness and fatigue, that focus on this project is allowed to the physiological signals based drowsiness detection schemes. The Purpose of such a model is to advance a system to detect sleepy symptoms in drivers and control the speed of vehicle to avoid accidents. This project proposed a driver monitoring system that distinguishes multiple abnormal conditions of emergency stress, and drowsiness from the normal condition.

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PRINCIPAL  
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**SMART CLASS ROOM ATTENDANCE  
SYSTEM USING FACE DETECTION AND  
FACE RECOGNITION FROM A VIDEO  
SIGNAL USING ARTIFICIAL INTELLIGENCE**

**A PROJECT REPORT**

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## BONAFIDE CERTIFICATE

Certified that this project report “Smart Class Room Attendance System using Face Detection and Face Recognition from a video signal Using Artificial Intelligence” is the bonafide work of A.ASHIK MOHAMED (812416106005), N.SYED SADHAM (812416106036), A.S.MOHAMED RAYAN (812416106306), M.MOHAMED ISHAN (812416106305) who carried out the project under my supervision.

  
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## ABSTRACT

Face detection is a challenging job and has numerous applications in automation, security, etc. The face is captured by cameras and sent to a system for identification. The system should do the job perfectly at a precision of 100% in small time with low-cost components. The problem of face detection falls under the comparison of images in an image processing system. There are many ways to do the job, but the accuracy, speed, and cost of the system are to undertaken. The images produced by the camera are is digital in nature and processed in color or black & White. In this project, a web camera is used for image capture and a laptop as an image processing system. However, in the second stage of the project, real compact hardware with microprocessors will replace the laptop. Face detection is their years and many algorithms which substitute pixel to pixel comparison is available ready for deployment. In this project, Artificial Intelligence is taken as a tool to do the job in search of developing an algorithm that will speed up the process and increase accuracy. In this proposal, the available techniques are taken into the study as a literature survey and possible tools in the AI are proposed. It is also found that\_based Neural Networks and training method is a potential candidate to explore furtherc

Key words: Face Detection, Image processing, AI, Neural Networks, Machine learning

## CHAPTER 6

### 6.1.CONCLUSION

So finally this project leads to detect the face and recognize the face with the help of face api algorithm in node.js. This project can be utilized by many organization for their attendance maintenance and for the security purpose.

## ADVANTAGES AND DISADVANTAGES

### 6.1.ADVANTAGES OF THE PROJECT

**Expanded Security:** One of the greatest aces of facial recognition innovation is that it upgrades wellbeing and security. From government organizations to individual use, there is an expanding interest in cutting edge security and observation frameworks. Associations can without much of a stretch distinguish and track any individual who goes onto the premises, and they can undoubtedly hail guests who don't greet. It tends to be useful concerning discovering potential psychological militants. Besides, there is no key, identification, or secret key that can be taken or lost.

**Quick and Accurate:** With the consistently expanding interest for speed and the developing number of cyberattacks, having quick and exact innovation is vital. Facial recognition innovation gives confirmation that is helpful, speedy, and exact. Albeit conceivable, it is extremely hard to trick facial recognition innovation, which makes it gainful in averting misrepresentation.

**No Contact:** Facial recognition is favored over unique mark examining as a result of its non-contact process. Individuals don't need to stress over the potential downsides identified with unique mark ID innovation, for example, germs or smears.

**MIET ENGINEERING COLLEGE**

**TRICHY**

08.08.2019

From

M.MOHAMED RAFIK,  
Class representative/Final year ECE,  
M.I.E.T Engineering College,  
Trichy-07.

To

The Principal,  
M.I.E.T Engineering College,  
Trichy-07

Through the HOD,

Respected sir,

**Sub: Requisition for BONAFIDE Certificate for industrial visit –Reg.**

We are around 40 students and with 3 Faculty Members have planned to go for an industrial visit to "KELETRON" Kerala State Electronics Development Corporation Limited- Trivandrum –Kerala on 22.8.19. So we request you to give us a Bonafide Certificate.

Thanking you.

*Mohamed Rafik*  
Yours faithfully,

[Final year Students' Representative]

*[Signature]*  
HOD/ECE


*[Signature]*  
PRINCIPAL


*A. Suf*  
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2	E1164002	Abarna	N
3	E1164003	Abdul Malik	T
4	E1164004	Ameer Sultan	J
5	E1164005	Ashik Mohamed	A
6	E1164006	Asrin Jaswani	S
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8	E1164009	Gayathri Vani	A
9	E1164011	Guna Sunthari	B
10	E1164012	Hari Haran	R
11	E1164014	Lavanya	P
12	E1164015	Madhumitha	C
13	E1164016	Mohamed Faisal	S
14	E1164017	Mohamed Imran	M
15	E1164018	Mohamed Rafik	M
16	E1164019	Mohamed Riaz	A
17	E1164020	Mohamed Rizwan	B
18	E1164021	Mohamed Sirajudeen	S
19	E1164022	Muhammed Azarudeen	J
20	E1164023	Muthulakshmi	M
21	E1164024	Muthulakshmi	S
22	E1164025	Pavithra Devi	P
23	E1164026	Pearly	J
24	E1164029	Raeisa	A
25	E1164031	Rifansiya	S
26	E1164032	Shabhan	R
27	E1164033	Souban Mohamed	S
28	E1164034	Suguna	S
29	E1164035	Surendhar	B
30	E1164036	Syed Sadham	N
31	E1164037	Thaslima Afrin	S
32	E1164040	Vishnu Priya	N.J
33	E1164041	Viveka	K
34	E2174050	Vishnu Varthan	N
35	E2174048	Mohana Sundari	P
36	E2174045	Janani	R
37	E2174046	Mohamed Ishan	M
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4	E1164007	Bhuvaneswari	S	
5	E1164009	Gayathri Vani	A	
6	E1164011	Guna Sunthari	B	
7	E1164014	Lavanya	P	
8	E1164015	Madhumitha	C	
9	E1164023	Muthulakshmi	M	
10	E1164024	Muthulakshmi	S	
11	E1164025	Pavithra Devi	P	
12	E1164026	Pearly	J	
13	E1164029	Raeisa	A	
14	E1164031	Rifansiya	S	
15	E1164032	Shabhan	R	
16	E1164034	Suguna	S	
17	E1164037	Thaslima Afrin	S	
18	E1164040	Vishnu Priya	N.J	
19	E1164041	Viveka	K	
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24	E1164005	Ashik Mohamed	A	
25	E1164012	Hari Haran	R	
26	E1164016	Mohamed Faisal	S	
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33	E1164033	Souban Mohamed	S	
34	E1164035	Surendhar	B	
35	E1164036	Syed Sadham	N	
36	E2174050	Vishnu Varthan	N	
37	E2174046	Mohamed Ishan	M	
38	E2174047	Mohamed Rayan	A.S	
39	E2174044	Haribaskar	S	
40	E2174043	Fayaz Ahamed	A	

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4	E1164007	Bhuvaneswari	S	
5	E1164009	Gayathri Vani	A	
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17	E1164037	Thaslima Afrin	S	
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19	E1164041	Viveka	K	
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**IV YEAR**  
**Faculty incharge for boys Students**

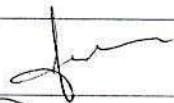


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5	E1164016	Mohamed Faisal	S	
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**UNDUR, TIRUCHIRAPALI - 620 007**

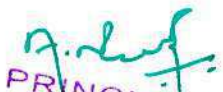
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TRICHY

08.08.2019

From:

M.MOHAMED RAFIK,  
Class representative/Final year ECE,  
M.I.E.T Engineering College,  
Trichy-07.

To:

The Chairman,  
M.I.E.T Engineering college  
Trichy-07.

Through Principal

Respected Sir,

Sub: Seeking Permission for industrial visit -Reg.


We are around 40 students and with 3 Faculty Members have planned to go for an industrial visit to "KELETRON" Kerala State Electronics Development Corporation Limited- Trivandrum - Kerala on 22.8.19. Kindly grant us permission to go for industrial visit.

Thanking you,

*Mohamed Rafik*  
Yours faithfully,

  
Industrial Visit  
Co-Ordinator

  
HOD/ECE

  
HOD/T & P

  
PRINCIPAL

  
CHAIRMAN

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
TUNDUR, TIRUCHIRAPALI - 620 007

**MIET ENGINEERING COLLEGE, TRICHY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**INDUSTRIAL VISIT FOR FINAL YEAR ON 22.08.2019**  
**REQUISTION APPROVAL FOR INDUSTRIAL VISIT**

Industrial visit date	Company name /place	Number of Students going for industrial visit		Number of Faculty accompany the Students	
		Total:40 Students		03 Faculty	
22.08.2019	<p><b>"KELETRON"</b>  <b>Kerala State Electronics Development Corporation Limited.</b></p> <p>Corporate Office            Keltron House,            Vellayambalam            Trivandrum 695 033            Phone:            0471 - 2724444,            4094444</p>	Girls:21	Boys:19	Ladies:02	Gents:01

  
 IV coordinator

  
 HOD/T&P

  
 HOD/ECE

  
 PRINCIPAL

  
 CHAIRMAN

  
 PRINCIPAL  
 MIET ENGINEERING COLLEGE  
 GUNDUR, TIRUCHIRAPALI - 620 007



R.Vijayalakshmi ECE &lt;vijayalakshmi.r@miet.edu&gt;

## Seeking Permission for an industrial vist to KELETRON from MIET Engineering College Trichy

5 messages

R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu>  
To: tdckeltron@gmail.com

Fri, Aug 9, 2019 at 1:51 AM

Hi Sir

WW arm Greeting My self R.VIJAYALAKSHMI AP/ECE dept. from MIET Engineering college,Trichy.Our Final Year Students are Interested to visit

KELETRON .please Kindly do the needful.Kindly provide the date of visit on 22.08.2019.

Total number of Students :42

Staff:3 Faculty

E K Mohanan <tdckeltron@gmail.com>  
To: "R.Vijayalakshmi ECE" <vijayalakshmi.r@miet.edu>

Fri, Aug 9, 2019 at 1:44 PM

Received ,Thank you

E K MOHANAN  
HEAD TDC  
KELTRON EQUIPMENT COMPLEX  
KARAKULAM ,TRIVANDRUM  
Mob:9446103668

[Quoted text hidden]

R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu>  
To: E K Mohanan <tdckeltron@gmail.com>

Thu, Aug 8, 2019 at 1:44 PM

Sir send me the conformation mail sir ...  
thank you

[Quoted text hidden]

hr keltron <hrkeltron@gmail.com>  
To: vijayalakshmi.r@miet.edu  
Cc: Mohanan Ek <ekmohanan@gmail.com>

Fri, Aug 9, 2019 at 8:53 AM

Dear Sir,

We are pleased to grant permission to 42 students & 3 faculties of your Institution to visit our factory on 22nd August 2019 at 10.00 AM. You are requested to pay an amount of `1,450/- at the time of visit as administrative expenses.

It is also brought to your kind attention that visitors should strictly adhere to the following instructions while coming for Industrial Visit.

- v Visit is allowed in Power Electronics Group (PEG) areas only.
- v Formal dress code is compulsory for students visiting the Company.
- v Camera/Mobile Phones are strictly not allowed inside our Complex.

  
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GUNDUR, TIRUCHIRAPALI - 620 007

10-08-2019, 06:05

v It is mandatory to carry ID card by all students/Staff as a Proof of identity.

**This is for your kind information that our Factory is situated 12 Kms from Trivandrum City in the Perookada-Nedumangad route.**

Thanks & Regards,

Pramela C  
Officer (HR)  
HR & ADMINISTRATION Department  
KELTRON ,Karakulam  
Ph :0472 2888999 (200/201/204) /0472 2888040



Please consider your environmental responsibility: Before printing this e-mail, ask yourself whether you need a hard copy!

On Thu, Aug 8, 2019 at 1:14 PM E K Mohanan <tdckeltron@gmail.com> wrote:

E K MOHANAN  
HEAD TDC  
KELTRON EQUIPMENT COMPLEX  
KARAKULAM ,TRIVANDRUM  
Mob:9446103668

[Quoted text hidden]

R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu>  
To: hr keltron <hrkeltron@gmail.com>

Fri, Aug 9, 2019 at 11:00 AM

Thank you so much sir ....

[Quoted text hidden]

  
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MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALLI - 620 007



## COMPANY PROFILE:

KELTRON's history is a saga of innovation in electronics. From being a pioneer in 1973, to the role of a trend-setter today, Keltron has been the catalysis for the development of electronics industry in Kerala.

In five years since inception, Keltron had set up several production centres and engaged more than 5,000 people directly or indirectly for the manufacture of electronic goods.

A quarter century later, Keltron set about transforming Trivandrum, the capital city of Kerala, into one of the major electronics hubs of the country.

Today, the city is home to Technopark, the internationally known technology park where thousands of talented young men and women participate in the development of a burgeoning information technology industry.

Thus, Keltron has in effect triggered a revolution that still keeps churning out its benefits to individuals and institutions in different parts of the world, continuing in its quest to innovate products and processes that would add further value to life and to the industry.

## LEARNING EXPERIENCES:

Keltron entered the electronic components industry by setting up India's largest Aluminium Electrolytic Capacitor plant in technical collaboration with Spargue Electromag, Belgium, in 1976 at Kannur, Kerala. Over the years, Keltron has added on several other types of components enlarging its range to cater to the needs of the Indian market. Today, Keltron enjoys a sizeable market share, and is identified as a reputed supplier of electronic components for professional, industrial and consumer electronics applications.

The current range of components manufactured by Keltron includes:

- Aluminium DC Electrolytic Capacitors
- Motor Start Capacitors
- Motor Run (SH) Capacitors
- MPP Capacitors
- KVR Power Capacitors
- Carbon / Metal Film Resistors
- Piezoelectric Crystals
- High CV large Can Capacitors

  
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MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007



# M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

TRICHY-PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.

Ph : 0431 - 2660 303 | Fax: 2660 264 & 2660 550

Email : principalengg@miet.edu, contact@miet.edu & mietenggooffice@gmail.com

www.miet.edu

Dr. X. SUSAN CHRISTINA, M.E., Ph.D.,  
Principal

Date : 08.08.2019

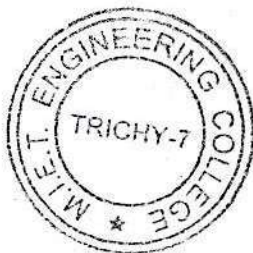
To

The General Manager – HR,  
Keletron,  
Kerala.

## TO WHOM SOEVER IT MAY CONCERN

This is to certify that the attached list of names are bonafide students of this institution studying in **Final Year of Electronics and Communication Engineering**. The total strength of 40 students along with 3 Faculty Members are willing to undergo industrial visit in your organization on 22<sup>nd</sup> August 2019. So, I hereby request to approve our requisition and therefore enable our students to make this industrial visit as a pragmatic experience.

Encl: Students Name List



*[Signature]*  
PRINCIPAL

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GUNDUR, TIRUCHIRAPPALLI - 620 007

*[Signature]*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPPALLI - 620 007



## REPORT ON ONE DAY INDUSTRIAL VISIT

**Department** : Electronics and Communication Engineering  
**Year/sem** : IV/VII  
**Name of the Industry** : KELETRON  
**Place of Visit** : Trivandrum  
**Date of Visit** : 22.08.2019

*A. Sufi*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
SUNDUR, TIRUCHIRAPALLI - 620 007

### Report on One Day Industrial Visit

01	Place of Visit	<b>“KELETRON”</b> <b>Kerala State Electronics</b> <b>Development Corporation Limited.</b> Corporate Office Keltron House, Vellayambalam Trivandrum 695 033 Phone: 0471 - 2724444, 4094444	
02	Number of Students	Boys	19
		Girls	21
03	Faculty Coordinators	Male	Dr.A.SureshkumarAP/ECE
		Female	R.VijayalakshmiAP/ECE C.Prema Lab Assistant
04	Date & Time of Industrial Visit	22 /08 /2019	Time:11.30am Onwards
05	Approval Date	17 / 08 /2019	
06	Objective of the Visit	To have a wide knowledge in designing Transformer,UPS and SMPS	
07	Company Profile & Learning Experience	<p><b>COMPANY PROFILE:</b>                      In five years since inception, Keltron had set up several production centers and engaged more than 5,000 people directly or indirectly for the manufacture of electronic goods.</p> <p>A quarter century later, Keltron set about transforming Trivandrum, the capital city of Kerala, into one of the major electronics hubs of the country.</p> <p>Today, the city is home to Technopark, the internationally known technology park where thousands of talented young men and women participate in the development of a burgeoning information technology industry.</p> <p>Thus, Keltron has in effect triggered a revolution that still keeps churning out its benefits to individuals and institutions in different parts of the world, continuing in its quest to innovate products and processes that would add further value to life and to the industry</p>	

		<b>LEARNING EXPERIENCE:</b> The current range of components manufactured by Keltron includes: <ul style="list-style-type: none"> <li>➤ Aluminium DC Electrolytic Capacitors</li> <li>➤ Motor Start Capacitors</li> <li>➤ Motor Run (SH) Capacitors</li> <li>➤ MPP Capacitors</li> <li>➤ KVR Power Capacitors</li> <li>➤ Carbon / Metal Film Resistors</li> <li>➤ Piezoelectric Crystals</li> <li>➤ High CV large Can Capacitors</li> <li>➤ Designing Transformer 2 phase and 3 phase.</li> </ul>	
08	Programme Schedule (As executed)	<b>TIME</b>	<b>ACTIVITIES</b>
		3.10 am	Departure from M.I.E.T campus
		7.30.00 to 8.30am	Break fast at Nagarkovil
		11.30 am	Reaching Keletron -Kerala
		1.30pm	Leaving from Keletron Company
		2.00 to 3.30 pm	Lunch at Trivandrum
		4.00pm	Leaving from Trivandrum
		5.30 pm to 6.30 pm	Tea and snacks at Nagarkovil
		8.30 to 9.30 pm	Dinner at Kovilpatti
		12.30 pm	Reached MIET Engineering college.
09	Brief about the Students Observation	1. R.Shabhan Acquired knowledge in 10-800 KVA HIGH POWER ONLINE TYPE UPS, SOLAR POWERED UPS(Power Condition Unit), 2.N.J.Vishnupriya Acquired Knowledge to designing Transformer and learned more about Shell Type,Core Type. 3.Mohamed Rafik.M Learned more about SMPS	
10	Conclusion	Students get exposure to various Electronics components design in Transformers Division unit and Structural division unit	



*[Handwritten signature]*

IV Coordinator-In charge

*P. Vijayalakshmi*

*[Handwritten signature]*  
HOD / ECE

*[Handwritten signature]*  
HOD / T&P

*[Handwritten signature]*  
PRINCIPAL

*[Handwritten signature]*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
●UNDUR, TIRUCHIRAPALLI - 620 007

ISO 9001 : 2015 Certified Company

KERALA STATE ELECTRONICS  
DEVELOPMENT CORPORATION LTD.

(A Government of Kerala Undertaking)

CIN: U74999KL1972SGC002450



**Keltron Equipment Complex**  
Karakulam - 695 564  
Thiruvananthapuram  
KERALA, INDIA

Phone : 0472 - 2888999, 2888040  
Fax : 0472 - 2888736  
E-mail : hrkeltron@gmail.com  
hrkec@keltron.org  
Website : www.keltron.org

KEC/HRD/F-41/2019

22.08.2019

### C E R T I F I C A T E

This is to certify that 37 students (**BE in Electronics & Communication Engineering**) and 3 Faculties of **MIET Engineering College, Trichy** had made Industrial Visit to our Company on 22.08.2019 as a part of their academic curriculum.

This certificate is issued for producing before the authorities concerned.

*Pramela*  
22/8/19

**PRAMELA C  
OFFICER(HR)**



*A. S. J.*  
PRINCIPAL

**MIET ENGINEERING COLLEGE  
MUNDUR, TIRUCHIRAPALI - 620 007**

Registered Office : Keltron House, Vellayambalam, Thiruvananthapuram - 695 033, Ph : 0471-4094444, 4094444  
Fax : 0471 - 2724545, E-mail : keltron@keltron.org

**Industrial Visit Feedback form from Industry**

Course & Department	BE & ECE
Sem / Year	VII / IV
Date(s) of Visit and Time	22/8/2019
No. of Students visited	37
Accompanying Staff Members	05
Name & Address of the Company	KELTRON EQUIPMENT COMPLEX KARAKULAM, TRIVANDRUM
Feedback about the students	Well behaved during the time of Industrial visit on 22-08-19
Technical details about the Company	
Authorized Signatory with Name / Designation and Seal	PRAMELA-C OFFICER (HR & ADMN) Prameela 22/8/19 For KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION
Any other comments	OFFICER (HR & ADMN)

*Prameela*  
 PRINCIPAL  
 MIET ENGINEERING COLLEGE  
 PONDUR, TIRUCHIRAPALLI - 620 007



MIET ENGINEERING COLLEGE  
TRICHY

05.08.2019

From

T.Thajudeen  
Third year IV Representative,  
M.I.E.T Engineering College,  
Trichy.

To

The Principal,  
M.I.E.T Engineering College,  
Trichy.

Through the HOD,

Respected sir,

Sub: Requisition for bonafide certificate for industrial visit –Reg.

We are around 57 students and with 4 Faculty Members have planned to go for an industrial visit to INDIAN TELEPHONE INDUSTRIES - Palakad on 31/08/2019. So we request you to give us a bonafide certificate.

Thanking you

Yours faithfully,

*T. Thajudeen*  
[Third year Students' Representative]

*[Signature]*  
HOD/ECE

*[Signature]*  
PRINCIPAL

*[Signature]*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
MUNDUR, TIRUCHIRAPALI - 620 006

05.08.2019

From:

T.Thajudeen,  
Class representative/Third year ECE,  
M.I.E.T Engineering College,  
Trichy-07.

To:

The Chairman,  
M.I.E.T Engineering college  
Trichy-07.

Through Principal

Respected Sir,

Sub: Seeking Permission for industrial visit –Reg.


We are around 57 students and with 4 Faculty Members have planned to go for an industrial visit to INDIAN TELEPHONE INDUSTRIES - Palakad on 31/08/2019. Kindly grant us permission to go for industrial visit.

Thankingyou

T.Thajudeen  
Yours faithfully,


  
Industrial Visit  
Co-Ordinator

  
HOD/ECE

  
HOD/T&P

  
PRINCIPAL

  
CHAIRMAN

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
BUNDUR, TIRUCHIRAPALI - 620 007

**MIET ENGINEERING COLLEGE, TRICHY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**THIRD YEAR STUDENTS STRENGTH**

S.NO	ERP.NO	STUDENT NAME	WILLING
1	E1174001	Aabitha Begam. S	Not Willing
2	E1174003	Abarna. K	Willing
3	E1174004	Abdul Ajeez. A	Willing
4	E1174005	Abdul Rahman. M	Willing
5	E1174007	Afsana. A	Not Willing
6	E1174008	Ahamed Aakif. Z	Not Willing
7	E1174009	Akash. S	Willing
8	E1174010	Akshaya. M	Willing
9	E1174011	Ammu. P	Willing
10	E1174012	Ammu. S	Willing
11	E1174013	Annal Jebaseeli. D	Not Willing
12	E1174014	Antony Jero. J	Willing
13	E1174015	Arthi. J	Willing
14	E1174016	Asrath Nisha. S	Not Willing
15	E1174017	Bakrudeen. S	Long Absent
16	E1174018	Boomika. P	Willing
17	E1174019	Chaandhini. C	Willing
18	E1174020	Daniel Vinith. G	Willing
19	E1174021	Defi Christina. C	Willing
20	E1174022	Deiva Rani. M	Willing
21	E1174023	Fazil Mohammed. B	Willing
22	E1174024	Gayathri. K	Willing
23	E1174025	Harini. P	Willing
24	E1174026	Hasiba Banu. H	Willing
25	E1174027	Hina. M	Not Willing
26	E1174028	Janani. M	Willing
27	E1174029	Jansirani. K	Willing
28	E1174030	Jasmine. E	Willing
29	E1174031	Kalidass. K	Not Willing
30	E1174032	Karan. M	Willing
31	E1174033	Kavitha. M	Willing
32	E1174034	Kowsalya. K	Willing
33	E1174035	Krishnapriya. K	Willing
34	E1174037	Manikandan. T	Willing
35	E1174038	Mathina Beevi. S	Not Willing
36	E1174039	Mohamed Rizvanudeen. M	Willing
37	E1174040	Mohamed Suwaidee. M	Willing
38	E1174041	Mohamed Ibrahim. M	Willing
39	E1174042	Narmatha. A	Willing
40	E1174043	Niranjani. B	Willing
41	E1174044	Nithiksha. N	Willing
42	E1174045	Nithish Kumar. S	Willing

7

*(Signature)*  
**PRINCIPAL**  
**MIET ENGINEERING COLLEGE**  
**SUNDUR, TIRUCHIRAPALI - 620 007**


43	E1174046	Pavithra. C	Willing
44	E1174047	Puvanithy. M	Willing
45	E1174049	Rizvana Begam. T	Willing
46	E1174050	Sabarinath. C	Willing
47	E1174051	Sabitha. S	Willing
48	E1174052	Safa Almaz. MS	Not Willing
49	E1174053	Sathiyaseela. S	Willing
50	E1174054	Selciya. M	Willing
51	E1174055	Shakthivel. A	Willing
52	E1174056	Shalini. B	Willing
53	E1174057	Suruthi. M	Willing
54	E1174059	Tamil Mani. B	Willing
55	E1174060	Thajudeen. T	Willing
56	E1174061	Thilsara. S	Willing
57	E1174062	Vengatesh Kumar. M	Willing
58	E1174063	Vigneshwaran. M	Willing
59	E1174064	Vimal Athithan. M	Willing
60	E1174066	Yogapriya. S	Willing
61	E1174067	Zam Zam Haliya. A	Not Willing
62	E2184068	Deepa. A	Willing
63	E2184070	Kiruthigha. K	Willing
64	E2184071	Mohamed Thazeem. M	Long Absent
65	E2184072	Monica. J	Willing
66	E2184073	Nandhini. S	Willing
67	E3174075	Nisha Shalini. K	Willing
68	E2184074	Vetriselvi. A	Willing
69	E2184069	Hari vijay	Willing

Total Strength:69

Total number of students Willing:57

Total number of students not Willing:12

  
HOD/ECE

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007

08

**MIET ENGINEERING COLLEGE, TRICHY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**FACULTY STUDENTS GENDER LIST**


S.NO	ERP.NO	STUDENT NAME	GENDER LIST
1	E1174004	Abdul Ajeez. A	MALE
2	E1174005	Abdul Rahman. M	
3	E1174009	Akash. S	
4	E1174014	Antony Jero. J	
5	E1174020	Daniel Vinith. G	
6	E1174023	Fazil Mohammed. B	
7	E1174032	Karan. M	
8	E1174037	Manikandan. T	
9	E1174039	Mohamed Rizvanudeen. M	
10	E1174040	Mohamed Suwaidee. M	
11	E1174041	Mohamed Ibrahim. M	
12	E1174045	Nithish Kumar. S	
13	E1174050	Sabarinath. C	
14	E1174055	Shakthivel. A	
15	E1174059	Tamil Mani. B	
16	E1174060	Thajudeen. T	
17	E1174062	Vengatesh Kumar. M	
18	E1174063	Vigneshwaran. M	
19	E1174064	Vimal Athithan. M	
20	E2184069	Hari vijay	
21	E1174003	Abarna. K	FEMALE
22	E1174010	Akshaya. M	
23	E1174011	Ammu. P	
24	E1174012	Ammu. S	
25	E1174015	Arthi. J	
26	E1174018	Boomika. P	
27	E1174019	Chaandhini. C	
28	E1174021	Defi Christina. C	
29	E1174022	Deiva Rani. M	
30	E1174024	Gayathri. K	
31	E1174025	Harini. P	
32	E1174026	Hasiba Banu. H	
33	E1174028	Janani. M	
34	E1174029	Jansirani. K	
35	E1174030	Jasmine. E	
36	E1174033	Kavitha. M	
37	E1174034	Kowsalya. K	
38	E1174035	Krishnapriya. K	
39	E1174042	Narmatha. A	
40	E1174043	Niranjani. B	
41	E1174044	Nithiksha. N	

*M. S. S. 09*  
**PRINCIPAL**  
**MIET ENGINEERING COLLEGE**  
**SUNDUR, TRICHIRAPALI - 620 007**

42	E1174045	Nithish Kumar. S
43	E1174046	Pavithra. C
44	E1174047	Puvanithy. M
45	E1174049	Rizvana Begam. T
46	E1174051	Sabitha. S
47	E1174053	Sathiyaseela. S
48	E1174054	Selciya. M
49	E1174056	Shalini. B
50	E1174057	Suruthi. M
51	E1174061	Thilsara. S
52	E1174066	Yogapriya. S
53	E2184068	Deepa. A
54	E2184070	Kiruthigha. K
55	E2184072	Monica. J
56	E3174075	Nisha Shalini. K
57	E2184074	Vetriselvi. A

S.NO	ERPNO	FACULTY NAME	GENDER
1	E4122	R.VIJAYALAKSHMI	FEMALE
2	E4169	CHANDNI	FEMALE
3	E4170	P.DELPHINE MARY	FEMALE
4	E4174	DR.A.SURESH KUMAR	MALE

  
HOD/ECE

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
SUNDUR, TIRUCHIRAPALI - 620 007

10

**MIET ENGINEERING COLLEGE, TRICHY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**THIRD YEAR GIRLS STUDENTS WITH FACULTY**

S.NO	ERP.NO	STUDENT NAME	FACULTY NAME
1	E1174003	Abarna. K	R.VIJAYALAKSHMIAP/ECE CHANDNI AP/ECE P.DELPHINE MARY AP/ECE
2	E1174010	Akshaya. M	
3	E1174011	Ammu. P	
4	E1174012	Ammu. S	
5	E1174015	Arthi. J	
6	E1174018	Boomika. P	
7	E1174019	Chaandhini. C	
8	E1174021	Defi Christina. C	
9	E1174022	Deiva Rani. M	
10	E1174024	Gayathri. K	
11	E1174025	Harini. P	
12	E1174026	Hasiba Banu. H	
13	E1174028	Janani. M	
14	E1174029	Jansirani. K	
15	E1174030	Jasmine. E	
16	E1174033	Kavitha. M	
17	E1174034	Kowsalya. K	
18	E1174035	Krishnapriya. K	
19	E1174042	Narmatha. A	
20	E1174043	Niranjani. B	
21	E1174044	Nithiksha. N	
22	E1174045	Nithish Kumar. S	
23	E1174046	Pavithra. C	
24	E1174047	Puvanithy. M	
25	E1174049	Rizvana Begam. T	
26	E1174051	Sabitha. S	
27	E1174053	Sathiyaseela. S	
28	E1174054	Selciya. M	
29	E1174056	Shalini. B	
30	E1174057	Suruthi. M	
31	E1174061	Thilsara. S	
32	E1174066	Yogapriya. S	
33	E2184068	Deepa. A	
34	E2184070	Kiruthigha. K	
35	E2184072	Monica. J	
36	E3174075	Nisha Shalini. K	
37	E2184074	Vetriselvi. A	

Total number of Girls: 37

  
HOD/ECE


  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
SUNDUR, TIRUCHIRAPALI - 620 007

**MIET ENGINEERING COLLEGE, TRICHY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**THIRD YEAR BOYS STUDENTS WITH FACULTY**

S.NO	ERP.NO	STUDENT NAME	FACULTY NAME
1	E1174004	Abdul Ajeez. A	Dr.A.SURESH KUMAR Proff/ECE
2	E1174005	Abdul Rahman. M	
3	E1174009	Akash. S	
4	E1174014	Antony Jero. J	
5	E1174020	Daniel Vinith. G	
6	E1174023	Fazil Mohammed. B	
7	E1174032	Karan. M	
8	E1174037	Manikandan. T	
9	E1174039	Mohamed Rizvanudeen. M	
10	E1174040	Mohamed Suwaidee. M	
11	E1174041	Mohamed Ibrahim. M	
12	E1174045	Nithish Kumar. S	
13	E1174050	Sabarinath. C	
14	E1174055	Shakthivel. A	
15	E1174059	Tamil Mani. B	
16	E1174060	Thajudeen. T	
17	E1174062	Vengatesh Kumar. M	
18	E1174063	Vigneshwaran. M	
19	E1174064	Vimal Athithan. M	
20	E2184069	Hari vijay	

Total Number of Boys Strength:20

  
HOD/ECE

  
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MIET ENGINEERING COLLEGE  
SUNDUR, TIRUCHIRAPALI - 620 007





R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu>

**Seeking permission for an INDUSTRIAL VISIT TO ITI -PALAKAD -  
31.08.2019 & 14.09.2019.**

1 message

hrpr\_pkd@itilttd.co.in <hrpr\_pkd@itilttd.co.in>  
Reply-To: hrpr\_pkd@itilttd.co.in  
To: "R.Vijayalakshmi ECE" <vijayalakshmi.r@miet.edu>  
Cc: Jimmy J Nalappat <jimmyj\_pkd@itilttd.co.in>

Fri, Aug 2, 2019 at 1:47 PM

Madam,

Please refer the trailing email on the subject. The subject visit can be permitted if it is on 31.8.2019 & 14.09.2019 respectively since the permissible limit for students for the visit limited to 60 and all other slots are already filled. If agree the proposal, please inform at the earliest.

With regards,

K.M. Ramesanunny  
Officer – HR (Public Relations)  
HR Department – Public Relations  
ITI Limited,  
Kanjikode (W)  
PALAKKAD  
Phone : 0491 – 2564211  
Mob : 9446046134

**From:** R.Vijayalakshmi ECE  
**Sent:** Saturday, August 03, 2019 2:39 AM  
**To:** hrpr\_pkd@itilttd.co.in  
**Subject:** Re: Seeking permission for an INDUSTRIAL VISIT TO ITI -PALAKAD

Hai Sir/Madam

Here with i have attached the the Bonafide From Our Institution. Our Third Year Students are also Willing to come to Visit ITI- Palakad . So I have enclosed two Bonafide for Third Year and For Final Year also. I have mentioned the date on 17.08.2019.

**Third Year Strength :55 with 4 Faculties**

**Final Year Strength: 40 with 3 Faculties**

We are ready to visit the Company at different Timing Sir .Kindly Made a Approval for our Kind Requisition.

Kindly ensure the date of Visit and Strength of the Students .

Kindly Send me the Other Formalities Sir.

Thank You.

On Fri, Aug 2, 2019 at 6:57 AM R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu> wrote:

Sure Sir i will send you the letter  
Thank You

On Thu, Aug 1, 2019 at 12:01 PM <hrpr\_pkd@itilttd.co.in> wrote:

Madam,

Please refer the trailing email on the subject. Please forward a formal letter

  
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SUNDUR, TIRUCHIRAPALLI - 620 007

seeking permission for the students (letter head) from your HOD of your college addressing to the Dy. General Manager – HR, ITI Limited, Palakkad. The visits are scheduled on Saturday's and it is after 1.30PM only. Other formalities will be forwarded after the receipt of the formal letter from your side.

Regards,

K.M. Ramesanunny  
Officer – HR (Public Relations)  
HR Department – Public Relations  
ITI Limited,  
Kanjikode (W)  
PALAKKAD  
Phone : 0491 – 2564211  
Mob : 9446046134

From: R.Vijayalakshmi ECE  
Sent: Tuesday, July 30, 2019 6:12 AM  
To: iti\_pkd@itilttd.co.in ; gm\_pkd@itilttd.co.in  
Subject: Seeking permission for an INDUSTRIAL VISIT TO ITI -PALAKAD

My Self R.VIJAYALAKSHMI Assistant Professor of ECE department and incharge for INDUSTRIAL VISIT Our Final Year Students are willing to come for an **Industrial visit to ITI -PALAKAD**. Kindly do the need full

**Total number of Strength :42  
with 4 faculty Member**

Thank You

---

Use TAG-ITI mobile wallet for going cashless-Secured by ITI Limited, A Government Of India Enterprise

Regards,


image001  
PS to UNIT HEAD  
ITI Limited, Palakkad.

---

Use TAG-ITI mobile wallet for going cashless-Secured by ITI Limited, A Government Of India Enterprise

---

Use TAG-ITI mobile wallet for going cashless-Secured by ITI Limited, A Government Of India Enterprise

  
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MIET ENGINEERING COLLEGE  
SUNDUR, TIRUCHIRAPALI - 620 007

- Search bookmarks
- Bookmarks Toolbar
- Bookmarks Menu
- Other Bookmarks

Compose

- Inbox 2,083
- Starred
- Snoozed
- Sent
- Drafts 50
- R.Vijayalakshmi +

No recent chats  
Start a new one

hrpr\_pkd@itilttd.co.in  
to Jimmy, me

Aug 3, 2019, 9:31 AM (3 days ago)

Madam,

Please refer the trailing email on the subject. Permission is accorded for 57 students and 4 staff members to visit ITI Limited, Palakkad on 31.08.2019 at 1.30 PM.

Nominal fees per student would be Rs.118/- (including service tax). For Staff Rs.236/- (including service tax). A format is attached and students are requested to fill the form.

The format mentioned above and DD (ITI Limited) may be submitted at the time of the visit.

Soft copy of the filled format to be emailed before the visit.

You may confirm the visit by return email.

\*\*\*

*R. Sub.*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007



## REPORT ON ONE DAY INDUSTRIAL VISIT


Department : Electronics and Communication Engineering  
Year/sem : III/V  
Name of the Industry : Indian Telephone Industries , Kanjikode  
Place of Visit : Palakad  
Date of Visit : 31.08.2019

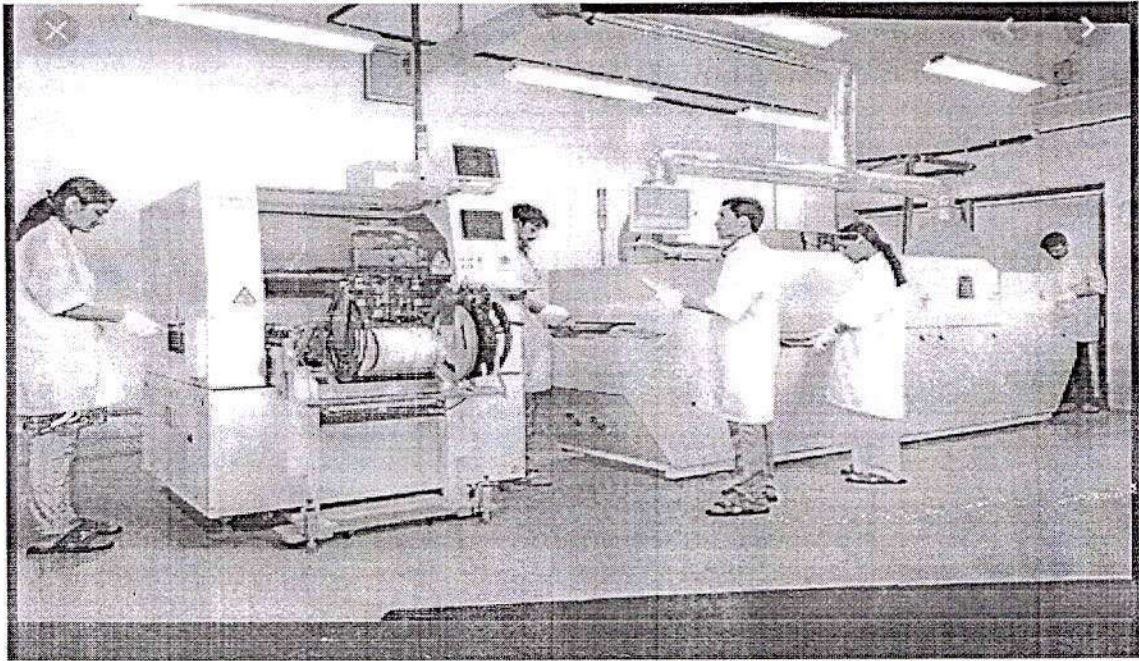
  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
SHINDUR, TIRUCHIRAPALLI - 620 007

### Report on One Day Industrial Visit

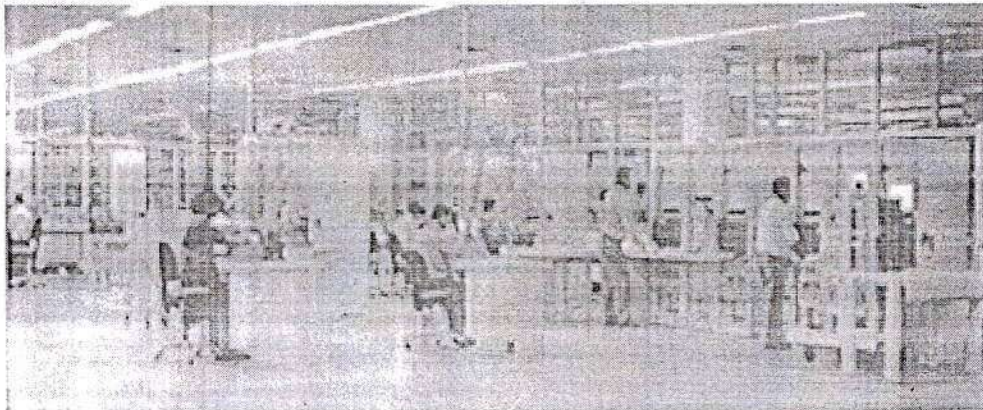
01	Place of Visit	<b>Indian Telephone Industries-(ITI) Palakkad.</b>  ITI Limited Kanjikode(West) Palakkad-678623 Kerala, India  Phone : 0491-2566004, 0491-2566957 Fax: 0491-2566009 Email : iti_pkd@itilttd.co.in gm_pkd@itilttd.co.in	
02	Number of Students	Boys	20(Willing) 17(Attended)
		Girls	37(Willing) 23(Attended)
03	Faculty Coordinators	Male	Dr.A.SureshkumarAP/ECE
		Female	R.VijayalakshmiAP/ECE
04	Date & Time of Industrial Visit	22 /08 /2019	Time:1.30am Onwards
05	Approval Date	17 / 08 /2019	
06	Objective of the Visit	Students can gain Knowledge of assembling the components in PC cards and its manufacturing process. The can also learn about Multilayer PCB manufacturing plant (up to 10 layers)	
07	Company Profile & Learning Experience	<b>COMPANY PROFILE:</b>  <b>INDIAN TELEPHONE INDUSTRIES Ltd Palakkad</b> is one among the five manufacturing Plants of ITI Ltd., established in 1976, primarily for catering to the manufacture of Electronic Switching Products and Services. It has an Electronic Switching System Manufacturing Unit, for large digital switches and trunk exchanges.  The Palakkad Plant located in Kerala. The Unit is accredited with ISO 9001 and 14001 certification. Engaged in the manufacture of Electronic equipments & Smart Cards .  The unit has executed the National Population Register (NPR -for Home Ministry, Govt. of India), and Socio Economic & Caste Census (SECC -for Ministry of Rural Development, Govt. of India) projects.	

		<p>Besides conventional manufacturing of electronic exchanges, the unit is executing turn key projects like Managed Leased Line Network (MLLN), Stand-alone Signal Transfer Point (SSTP). A Smart Card manufacturing centre has been setup for manufacturing smart cards including banking cards.</p> <p>The Plant has a Multi-layer PCB manufacturing plant (up-to 10 layers) as a separate business centre that caters to the captive as well as external market requirements.</p> <p>The products manufactured and deployed are provided with technical support and repair services by the Customer Support Centre. The in-house developed CRM, a WEB based application package, is used for rendering and monitoring the above services.</p> <p style="text-align: center;"><b>LEARNING EXPERIENCE</b></p> <ul style="list-style-type: none"> <li>➤ Printed Card Assembly lines</li> <li>➤ Switching equipment assembly &amp; testing</li> <li>➤ Printed Circuit Board (PCB) Plant</li> <li>➤ Smart Card Manufacturing Line</li> </ul>	
08	Programme Schedule (As executed)	<b>TIME</b>	<b>ACTIVITIES</b>
		3.10 am	Departure from M.I.E.T campus
		7.30 to 8.30am	Break fast at pollachi
		12.30 am	Reaching ITI -Palakad
		1.30-3.40pm	Leaving from ITI Limited Company
		3.45 to 4.45 pm	Lunch at Palakad
		5.00pm	Leaving from Palakad
		8.30 to 9.30 pm	Dinner at Coimbatore
		12.30 pm	Reached MIET Engineering college.
09	Brief about the Students Observation	<p>1. Thajudeen. T Acquired knowledge in Manufacturing the PCB Board</p> <p>2. Chaandhini. C How they Dust Practical are placed in CNC Machine</p> <p>3. Puvanithy. M We knew about two types of Technology to fit the component in PCB 1.Through Hole Technology for a Single side PCB. 2.Surface mount Technology in a two sided PCB</p>	
10	Conclusion	Students get exposure to Manufacturing of PCB Board and How to check the components are placed in PCB board.	

  
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**GUNDUR, TIRUCHIRAPALI - 620 001**



CNC (Computerized Numerical Control Application)(Dust type Component and IC are placed Using CNC)



Misplacement of Component is rearranged by manually.

*R. V. V.*  
IV Coordinator

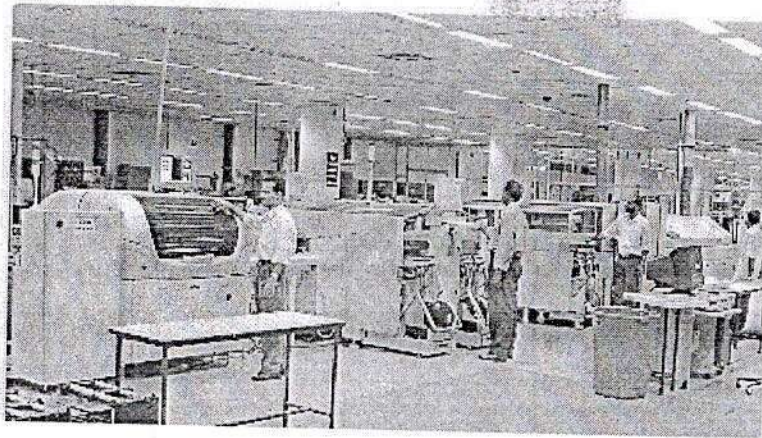
*K. R.*  
HOD / Signature

*M. S.*  
HOD / T&P

*S. S.*  
PRINCIPAL

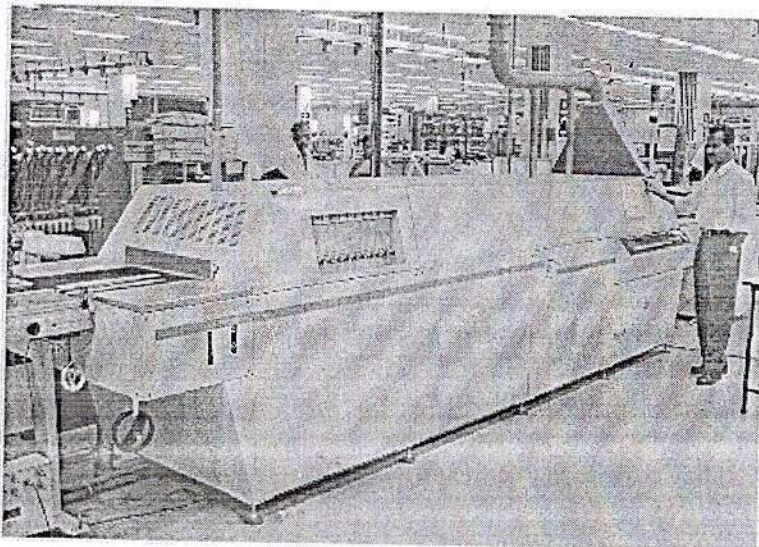
*R. vyayakarshi / Apiece*

*S. S.*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
SUNDUR, TIRUCHIRAPALI - 620 007



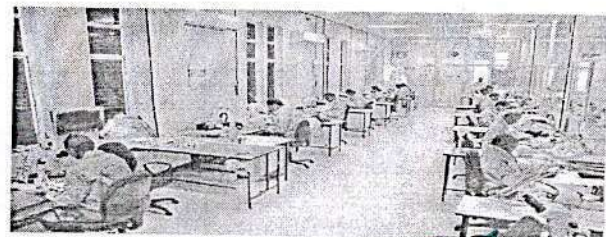
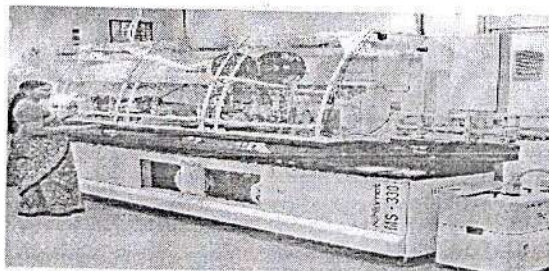
### SWITCHING EQUIPMENT ASSEMBLY AND TESTING

Most modern facility for Electronic manufacturing with a carpet area 12500 Sq Mtrs. The area is fully equipped with total Air Conditioning , Compressed Air and round the clock Electrical power with uninterrupted Power supply. All the electronic and electrical assembly activities are carried out in this area.



### SMART CARD MANUFACTURING LINE

### VSSC FLIGHT PACKAGE ASSEMBLY



*M. S. S.*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007





# आईटीआई लिमिटेड

(भारत सरकार का उपक्रम)

पालक्काड प्लांट

कंजिकोड वेस्ट, पालक्काड-६७८ ६२३, भारत

फोन : (०४९९) २५६६०९० (४ लईन)

फेक्स : (०४९९) २५६६००९

ई - मेल : iti\_pkd@itilttd.co.in

वेब साईट : www.itilttd-india.com



## ITI LIMITED

(A Govt. of India Undertaking)

Palakkad Plant

Kanjikode West, PALAKKAD - 678 623 INDIA

Phone : (0491) 2566010 (4 Lines)

FAX : (0491) 2566009

E-Mail : iti\_pkd@itilttd.co.in

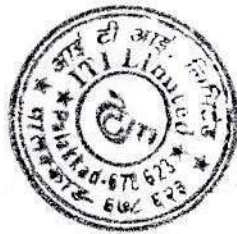
Web Site : www.itilttd-india.com

Ref : HR/PR/4-17

Date : 31.08.2019

### CERTIFICATE

This is to certify that, 40 students of III Year B.E. (Electronics and Communication Engineering) and 2 faculty members from M.I.E.T Engineering College, Tiruchirappalli; visited our Plant on 31.08.2019 as part of their curriculum.




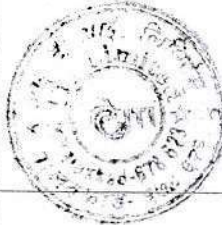
(RAMESANUNNY K.M.)

अधिकारी-मा.सं  
OFFICER-HR

आईटीआई लि., कंजिकोड वेस्ट  
ITI Ltd., Kanjikode West  
पालक्काड / Palakkad-678 623

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MIET ENGINEERING COLLEGE  
BUNDUR, TIRUCHIRAPPALI - 620 007

**Industrial Visit Feedback form from Industry**

Course & Department	B.E - ECE
Sem / Year	V / III
Date(s) of Visit and Time	31/8/19 , 1:30 - 3:30 PM
No. of Students visited	40
Accompanying Staff Members	2
Name & Address of the Company	Palakkad Plant, Kanjikode West, Palakkad - 678 623 INDIA
Feedback about the students	Good Response from the Students -
Technical details about the Company	Manufacturing double layer PCB.
Authorized Signatory with Name / Designation and Seal	  <p>31/8/2019. अधिकारी-मा.सं OFFICER-HR.-PR. आईटीआई लि., कंजिकोड वेस्ट ITI Ltd., Kanjikode West Palakkad / Palakkad-678 623</p>
Any other comments	

  
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GUNDUR, TIRUCHIRAPALLI - 620 007

MIET ENGINEERING COLLEGE, TRICHY  
 DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
 INDUSTRIAL VISIT FOR SECOND YEAR ON 22.08.2019  
 REQUISITION APPROVAL FOR INDUSTRIAL VISIT

Industrial visit date	Company name /place	Number of Students going for industrial visit		Number of Faculty accompany the Students	
		30		03 Faculty	
22.08.2019	Sunshiv Electronic Solutions 245, Chinnasamy Naidu Road, Opp to Ayyappan Temple, New Siddhapudur, COIMBATORE-641044.	Girls:12	Boys:18	Ladies:2	Gents:1

  
 IV coordinator

  
 HOD/T&P

  
 HOD/ECE

  
 PRINCIPAL

  
 CHAIRMAN

  
 PRINCIPAL  
 MIET ENGINEERING COLLEGE  
 GUNDUR, TIRUCHIRAPALI - 620 007

MIET ENGINEERING COLLEGE

TRICHY

05.08.2019

From:

A.H.Abdul Hameed,  
Class representative/Second year ECE,  
M.I.E.T Engineering College,  
Trichy-07.

To:

The Chairman,  
M.I.E.T Engineering college  
Trichy-07.

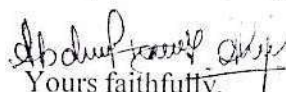
Through Principal

Respected Sir,

Sub: Seeking Permission for industrial visit -Reg.

We are around 30 students and with 3 Faculty Members have planned to go for an industrial visit to Sunshiv Electronic Solutions-Coimbatore on 22.8.19. Kindly grant us permission to go industrial visit.


Thankingyou

  
Yours faithfully,



Industrial Visit  
Co-Ordinator

  
HOD/ECE

  
HOD/T & P

  
PRINCIPAL

  
CHAIRMAN

2

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007.



R.Vijayalakshmi ECE &lt;vijayalakshmi.r@miet.edu&gt;

---

**REG-CONFIRMATION MAIL FOR THE INDUSTRIAL VISIT**

2 messages

---

sunshiv electronics <sunshivpcb1@gmail.com>  
To: "R.Vijayalakshmi ECE" <vijayalakshmi.r@miet.edu>

Mon, Aug 5, 2019 at 1:17 PM

Greetings From Sunshiv..!

This is Chithradevi from Sunshiv Electronic Solutions. As per our telephonic conversation.., We are glad to welcome all of our second year ECE students in our Industry. Hereby i mention the further details. Kindly go through it and let me know the updates.

Details:-

Date -22-08-2019(Thursday)

Duration- 2 to 3 hours

No of students -31

Requirement - Individual note and pen.

Amount -100/student

We are ready to provide Certificates.

---  
**Thanks & Regards,**

Sunshiv Electronic Solutions,

245, Chinnasamy Naidu Road,

Opp to Ayyappan Temple,

New Siddhapudur, Gandhipuram,

Coimbatore - 641 044.

Cell - 97509 14445, 0422 - 4980499.


For Production - 98428 02351.

---

R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu>  
To: sunshiv electronics <sunshivpcb1@gmail.com>

Tue, Aug 6, 2019 at 5:36 AM

Thank You mam We can conform the date on 22.08.2019  
[Quoted text hidden]

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007.

## COMPANY PROFILE

**SUNSHIV ELECTRONIC SOLUTIONS** is an ISO 9001:2008 Certified company established in the year of 1994, to cater industrial needs in Electronics automation and PCB Designing and Manufacturing.

We are having our own integrated setup for :

- Computer aided PCB (Printed Circuit Board) Designing
- Manufacturing of single and Double sided PCBs
- Assembling of PCBs
- Trouble shooting of electronic pcb kits
- Industrial customization Electronic Projects

## LEARNING EXPERIENCE


### PCB Designing

Electronics - Fundamentals

- Circuit Analysis
- Dimension of PCB
- Playing with Layers
- Placement of Components
- Routing by Standards
- Verification of Connections

### Practical Training on Electronic Instruments

### Simulation of Electronic Circuits

  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007

MIET ENGINEERING COLLEGE

TRICHY

05.08.2019

From

A.H.Abdul Hameed,  
Class representative/Second year ECE,  
M.I.E.T Engineering College,  
Trichy-07.

To

The Principal,  
M.I.E.T Engineering College,  
Trichy.

Through the HOD,

Respected sir,

Sub: Requisition for BONAFIDE Certificate for industrial visit –Reg.

We are around 30 students and with 3 Faculty Members have planned to go for an industrial visit to Sunshiv Electronic Solutions-Coimbatore on 22.8.19. So we request you to give us a Bonafide Certificate.


Thanking you.

  
Yours faithfully,

[Second year Students' Representative]

  
HOD/ECE

  
PRINCIPAL

 5  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALI - 620 007.


**MIET ENGINEERING COLLEGE, TRICHY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**SECOND YEAR STUDENTS STRENGTH**

S.NO	ERP.NO	STUDENT NAME	WILLING
1	E1184001	Abdul Hameed.A.H	Willing
2	E1184002	Amirtha Varshini. M	Willing
3	E1184003	Bharathi. M	Willing
4	E1184004	Christina Jeny. S	Willing
5	E1184005	Dhivya. R	Willing
6	E1184006	Fazil Ahamed. M	Willing
7	E1184009	Jeevabharathi. M	Willing
8	E1184011	Kavimitha. S	Willing
9	E1184012	Lalith. R	Willing
10	E1184013	Manisha Christy. J	Willing
11	E1184014	Manju. K	Willing
12	E1184015	Mohamed Arshath	Willing
13	E1184016	Mohamed Hisham. M	Willing
14	E1184017	Mohamed Rifai. H	Willing
15	E1184018	Mohamed Riyaz. A	Willing
16	E1184020	Neeraja. K	Willing
17	E1184021	Prethiv Bharathi. C	Willing
18	E1184023	Ramya. B	Willing
19	E1184024	Riyaz Sait. A	Willing
20	E1184025	Sagulhammed. D	Willing
21	E1184026	Sathya. M	Willing
22	E1184027	Sneha. P	Willing
23	E1184028	Suruthi. B	Willing
24	E1184029	Thamar Mohamed	Willing
25	E1184030	Thasneem. ML	Willing
26	E1184031	Vasimakaram. A	Willing
27	E1184032	Vineeth Kumar. R	Willing
28	E1184033	Vishnupriyan. R	Willing
29	TECE01	Asfath Ahamed. S	Willing
30	TECE02	Vijay. K	Willing

Total Strength:30

Total number of students Willing:30

  
HOD/ECE

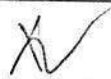
6  
  
**PRINCIPAL**  
**MIET ENGINEERING COLLEGE**  
**SUNDUR, TIRUCHIRAPALLI - 629 007**

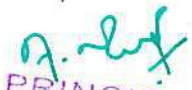


MIET ENGINEERING COLLEGE, TRICHY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
SECOND YEAR STUDENTS GENDER LIST

S.NO	ERP.NO	STUDENT NAME	GENDER
1	E1184002	Amirtha Varshini. M	FEMALE
2	E1184004	Christina Jeny. S	
3	E1184005	Dhivya. R	
4	E1184011	Kavimitha. S	
5	E1184013	Manisha Christy. J	
6	E1184014	Manju. K	
7	E1184020	Neeraja. K	
8	E1184021	Prethiv Bharathi. C	
9	E1184023	Ramya. B	
10	E1184026	Sathya. M	
11	E1184027	Sneha. P	
12	E1184028	Suruthi. B	
13	E1184001	Abdul Hameed.A.H	MALE
14	E1184003	Bharathi. M	
15	E1184006	Fazil Ahamed. M	
16	E1184009	Jeevabharathi. M	
17	E1184012	Lalith. R	
18	E1184015	Mohamed Arshath Ibrahim. S	
19	E1184016	Mohamed Hisham. M	
20	E1184017	Mohamed Rifai. H	
21	E1184018	Mohamed Riyaz. A	
22	E1184024	Riyaz Sait. A	
23	E1184025	Sagulammed. D	
24	E1184029	Thamar Mohamed	
25	E1184030	Thasneem. ML	
26	E1184031	Vasimakaram. A	
27	E1184032	Vineeth Kumar. R	
28	E1184033	Vishnupriyan. R	
29	TECE01	Asfath Ahamed. S	
30	TECE02	Vijay. K	


S.NO	ERP.NO	STUDENT NAME	GENDER
1	E4170	P.Delphine Mary	FEMALE
2	E4172	V.Sathiyavathi	FEMALE
3	E4184	A.Antony Joseph Arputha Raj	MALE

  
HOD/ECE

7  
  
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MIET ENGINEERING COLLEGE,TRICHY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
SECOND YEAR STUDENTS STRENGTH

S.NO	ERP.NO	STUDENT NAME	FACULTY NAME
1	E1184002	Amirtha Varshini. M	P.Delphine Mary V.Sathiyavathi
2	E1184004	Christina Jeny. S	
3	E1184005	Dhivya. R	
4	E1184011	Kavimitha. S	
5	E1184013	Manisha Christy. J	
6	E1184014	Manju. K	
7	E1184020	Neeraja. K	
8	E1184021	Prethiv Bharathi. C	
9	E1184023	Ramya. B	
10	E1184026	Sathya. M	
11	E1184027	Sneha. P	
12	E1184028	Suruthi. B	

Total Number of Girls Strength:12  HOD/ECE

8  
  
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MIET ENGINEERING COLLEGE, TRICHY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
SECOND YEAR STUDENTS STRENGTH

S.NO	ERP.NO	STUDENT NAME	FACULTY NAME
1	E1184001	Abdul Hameed.A.H	A.Antony Joseph Arputha Raj
2	E1184003	Bharathi. M	
3	E1184006	Fazil Ahamed. M	
4	E1184009	Jeevabharathi. M	
5	E1184012	Lalith. R	
6	E1184015	Mohamed Arshath	
7	E1184016	Mohamed Hisham. M	
8	E1184017	Mohamed Rifai. H	
9	E1184018	Mohamed Riyaz. A	
10	E1184024	Riyaz Sait. A	
11	E1184025	Sagulhammed. D	
12	E1184029	Thamar Mohamed	
13	E1184030	Thasneem. ML	
14	E1184031	Vasimakaram. A	
15	E1184032	Vineeth Kumar. R	
16	E1184033	Vishnupriyan. R	
17	TECE01	Asfath Ahamed. S	
18	TECE02	Vijay. K	

Total Number of boys Strength:18

  
HOD/ECE

  
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GUNDUR, TIRUCHIRAPALI - 620 007

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## REG-CONFIRMATION MAIL FOR THE INDUSTRIAL VISIT

3 messages

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**sunshiv electronics** <sunshivpcb1@gmail.com>  
To: "R.Vijayalakshmi ECE" <vijayalakshmi.r@miet.edu>

Mon, Aug 5, 2019 at 1:17 PM

Greetings From Sunshiv..!

This is Chithradevi from Sunshiv Electronic Solutions.As per our telephonic conversation..,We are glad to welcome all of our second year ECE students in our Industry.Hereby i mention the further details.Kindly gothrough it and let me know the updates.

Details:-

Date -22-08-2019(Thursday)

Duration- 2 to 3 hours

No of students -31

Requirement - Individual note and pen.

Amount -100/student

We are ready to provide

Certificates.

--

Thanks & Regards,

**Sunshiv Electronic Solutions,**

245,Chinnasamy Naidu Road,

Opp to Ayyappan Temple,

New Siddhapudur,Gandhipuram,

Coimbatore - 641 044.

Cell - 97509 14445, 0422 - 4980499.

For Production - 98428 02351.

---

R.Vijayalakshmi ECE <vijayalakshmi.r@miet.edu>  
To: sunshiv electronics <sunshivpcb1@gmail.com>

Tue, Aug 6, 2019 at 5:36 AM

Thank You mam We can conform the date on 22.08.2019

[Quoted text hidden]

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**sunshiv electronics** <sunshivpcb1@gmail.com>  
To: "R.Vijayalakshmi ECE" <vijayalakshmi.r@miet.edu>

Tue, Aug 6, 2019 at 10:52 AM

Yes, it is confirmed.

[Quoted text hidden]

  
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# M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

TRICHY-PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.

Ph : 0431 - 2660 303 | Fax: 2660 264 & 2660 550

Email : principalengg@miet.edu, contact@miet.edu & mietenggooffice@gmail.com

www.miet.edu

**Dr. X. SUSAN CHRISTINA, M.E., Ph.D.,**  
Principal

Date :

08.08.2019

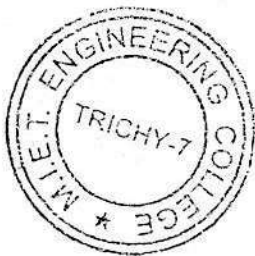
To

The General Manager – HR,  
Sunshiv Electronics solution,  
Coimbatore.

## TO WHOM SOEVER IT MAY CONCERN

This is to certify that the attached list of names are bonafide students of this institution studying in **Second Year of Electronics and Communication Engineering**. The total strength of 30 students along with 3 Faculty Members are willing to undergo industrial visit in your organization on 22<sup>nd</sup> August 2019. So, I hereby request to approve our requisition and therefore enable our students to make this industrial visit as a pragmatic experience.


Encl: Students Name List



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*A. S. J.*  
PRINCIPAL  
MIET ENGINEERING COLLEGE  
GUNDUR, TIRUCHIRAPALLI - 620 007

**Industrial Visit Feedback form from Industry**

Course & Department	Electronics and Communication Eng
Sem / Year	Semester-III / II-year.
Date(s) of Visit and Time	22-08-2019.
No. of Students visited	26
Accompanying Staff Members	3 { 2 - Lady staff 1 - Male staff
Name & Address of the Company	245, Chinmasamy Naidu Rd, (Opp) to Ayyappan kovil, New Siddhapudur, Coimbatore-641044.
Feedback about the students	Students are more active and they make my session as most interactive one. Very happy to meet them.
Technical details about the Company	We are leading core industry in the field of PCB Design and Manufacturing. <i>Indusray</i> .
Authorized Signatory with Name / Designation and Seal	
Any other comments	Happy to meet you.


Looking forward to work with you.

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## **REPORT ON ONE DAY INDUSTRIAL VISIT**

**Department** : Electronics and Communication Engineering  
**Year/Sem** : II / III  
**Name of the Industry** : SUNSHIV ELECTRONIC SOLUTIONS  
**Place of Visit** : COIMBATORE  
**Date of Visit** : 22.08.2019

  
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SUNDUR, TIRUCHIRAPPALLI - 620 007


Report on One Day Industrial Visit

01	Place of Visit	Sunshiv Electronic Solutions 245, Chinnasamy Naidu Road, Opp to Ayyappan Temple, New Siddhapudur, COIMBATORE-641044.	
02	Number of Students	Boys	18
		Girls	12
03	Faculty Coordinators	Male	A.AntonyJosephArputhaRaj AP/ECE
		Female	DelphineMary, AP/ECE V.Sathiyavathi AP/ECE
04	Date & Time of Industrial Visit	22.08.2019	Time:10.15 am Onwards
05	Approval Date	17 / 08 /2019	
06	Objective of the Visit	To get a clear description about the industrial experience in Electronics automation and PCB Designing and Manufacturing.	
07	Company Profile & Learning Experience	<p><b>COMPANY PROFILE</b></p> <p>SUNSHIV ELECTRONIC SOLUTIONS is an ISO 9001:2008 Certified company established in the year of 1994, to cater industrial needs in Electronics automation and PCB Designing and Manufacturing.</p> <p>We are having our own integrated setup for :</p> <ul style="list-style-type: none"> <li>• Computer aided PCB (Printed Circuit Board) Designing</li> <li>• Manufacturing of single and Double sided PCBs</li> <li>• Assembling of PCBs</li> <li>• Trouble shooting of electronic pcb kits</li> <li>• Industrial customization Electronic Projects</li> </ul> <p><b>LEARNING EXPERIENCE</b></p> <p><u>PCB Designing</u></p> <p>Electronics - Fundamentals</p> <ul style="list-style-type: none"> <li>• Circuit Analysis</li> <li>• Dimension of PCB</li> <li>• Playing with Layers</li> <li>• Placement of Components</li> <li>• Routing by Standards</li> <li>• Verification of Connections</li> </ul> <p>Practical Training on Electronic Instruments</p> <p>Simulation of Electronic Circuits</p>	

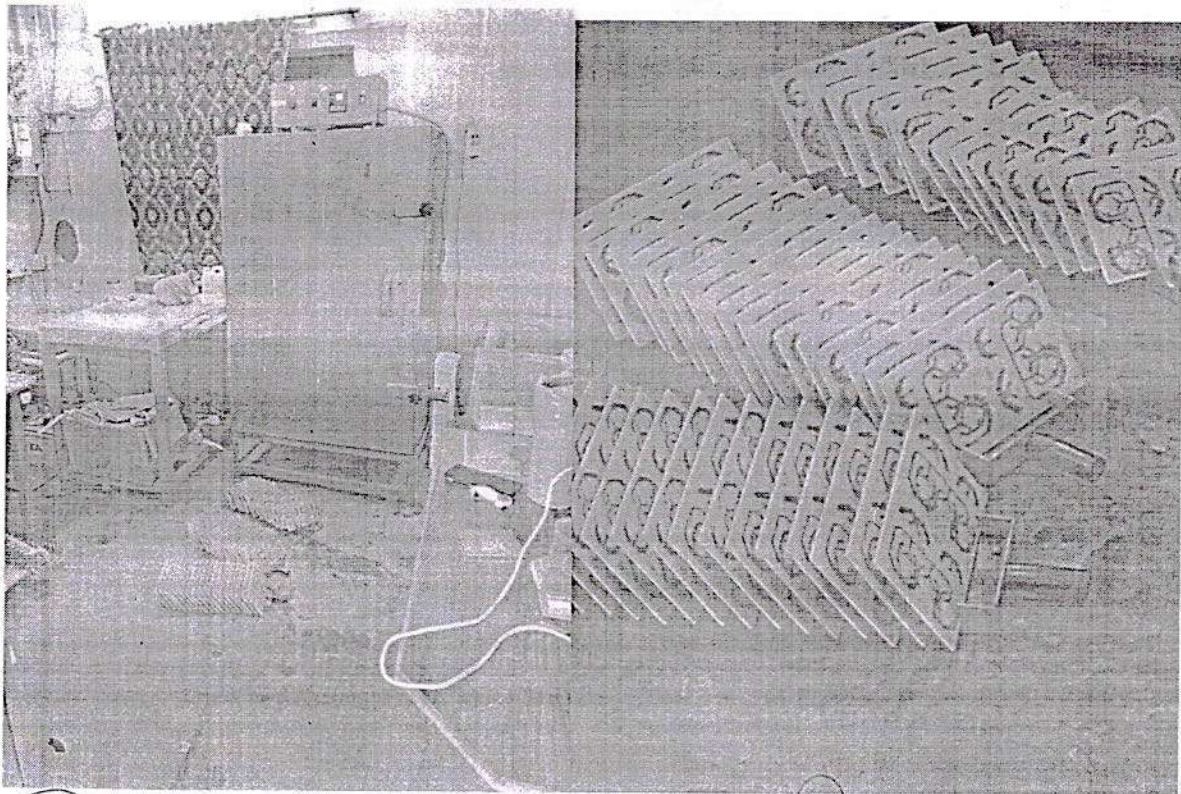
  
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		TIME	ACTIVITIES
08	Programme Schedule (As executed)	4.30 am	Departure from M.I.E.T campus
		9.00am	Breakfast at Aarya Bhavan Hotel (Sulur-Cbe)
		10.00am	Reaching Sunshiv Electronic Solutions /Coimbatore
		1.00pm	Leaving from Sunshiv Electronic Solutions /Coimbatore
		1.00 to 2.00 pm	Lunch at Coimbatore
		2.20pm	Leaving from Coimbatore
		7.00pm	Tea & snacks in at Krishnan Bhavan (Palladam)
		9.00pm	Dinner at Hotel at Kangeyam.
		11.30pm	Reaching MIET College
		09	Brief about the Students Observation
10	Conclusion	Students gained practical knowledge related with Relays, Transistors, Switches along with Designing and Manufacturing of PCB components and Board.	

  
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OBSERVATIONS



*[Handwritten Signature]*

Industrial Visit Coordinator

*[Handwritten Signature]*  
HOD-ECE

*[Handwritten Signature]*  
HOD / T&P

*[Handwritten Signature]*  
PRINCIPAL

*[Handwritten Signature]*

*[Handwritten Signature]*  
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