



NPR College of Engineering & Technology

NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India.
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.
An ISO 9001:2015 Certified Institution.
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CRITERIA-1-CURRICULAR ASPECTS

1.3 : Curriculum Enrichment

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Program name	Program Code	List of students undertaking project work/field work/internship	Page No
B.E.EEE	105	ABDUL AJEESH A	7
B.E.EEE	105	ABUDHAGIR K	3
B.E.EEE	105	ARUN KUMAR P	7
B.E.EEE	105	CIRPA A	15
B.E.EEE	105	DINESHKUMAR K	11
B.E.EEE	105	DINESHKUMAR K	19
B.E.EEE	105	DIVAKAR M	7
B.E.EEE	105	HARI HARAN S	3
B.E.EEE	105	KATHIRAVAN G	19
B.E.EEE	105	MOHAMED FAIZ A	3
B.E.EEE	105	MOHAMED RIYASDEEN A	23
B.E.EEE	105	NISHA M	15
B.E.EEE	105	PERUMAL R	19
B.E.EEE	105	PRABAKARAN S	19
B.E.EEE	105	RAMKUMAR R	23
B.E.EEE	105	RUBAKUMAR B	11
B.E.EEE	105	SABARISH R	3
B.E.EEE	105	SENTHIL KUMARAN V	11
B.E.EEE	105	THIBAHAR M	23
B.E.EEE	105	A.MUHILVANI	15
B.E.EEE	105	ARIVUSELVAN S	27
B.E.EEE	105	DEENA KARTHICK M	27
B.E.EEE	105	DINESH KUMAR M	31
B.E.EEE	105	MANIVEL C	31
B.E.EEE	105	MONIKA V	35
B.E.EEE	105	SANJAY KISHORE K M	35
B.E.EEE	105	SARAN R B	39
B.E.EEE	105	VIGNESHWARAN R	39
B.E.EEE	105	KARTHI KEYAN R	76
B.E.EEE	105	KASTHURI M	64
B.E.EEE	105	LAKSHMI PRIYA A	64
B.E.EEE	105	LOGESHWARAN N	59
B.E.EEE	105	PITCHIYATHA D	59





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B.E.EEE	105	PRADAPKANNAN B	76
B.E.EEE	105	RAJAMURUGAN M	59
B.E.EEE	105	RAJASEKAR M	68
B.E.EEE	105	SUJEETHRAN S	76
B.E.EEE	105	USHADEVI C	64
B.E.EEE	105	VIGNESH M	80
B.E.EEE	105	BHARATHIRAJA C	80
B.E.EEE	105	GOVINDHAASAN A	80
B.E.EEE	105	HARISH G	80
B.E.EEE	105	ISHAS AHAMEED A	80
B.E.EEE	105	BRINTHA R	80
B.E.EEE	105	GEETHANJALI DEVI	85
B.E.EEE	105	KALAI SELVI S	85
B.E.EEE	105	MONIKA K	85

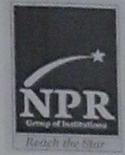


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**ENERGY CONSERVATION IN
STREET LAMP BY RFID**

A PROJECT REPORT

Submitted by

ABUDHAGIR K

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MOHAMED FAIZ A

SABARISH R

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

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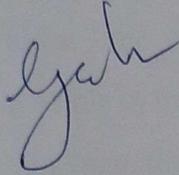
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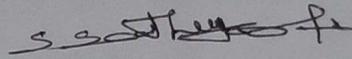


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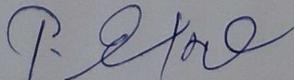
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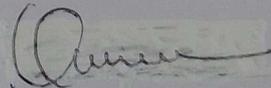
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INTERNAL EXAMINER



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ABSTRACT

In this project, the new technology of RDIF (Radio Frequency Identification) has been used in order to identify vehicles and also 3 significant parameters including the average speed of vehicles at any side of access point, the average time for waiting and the queue length. They have been used based on the data from neural network for making the best decision throughout the process of finding out duration of the cycle and percentage of green time for each of the access point. Implementation of this system is possible in the shortest time and it has a better function in any kind of weather condition, time or place compared to similar systems.




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CHAPTER 6

CONCLUSION

6.1 CONCLUSION

This project concludes that the electric energy can be saved by means of reading the RFID tags when there is Usage of roads in night time by vehicles and we can conserve the electric energy in the range of KW/hr and in future we can extend this project by setuping solar panel nearby road side to supply power to the street light.




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DISTRIBUTION TRANSFORMER HEALTH MONITORING SYSTEM BASED ON IOT

A PROJECT REPORT

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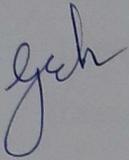
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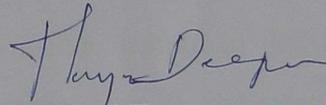
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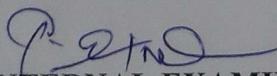
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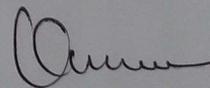
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ABSTRACT

Transformer is one of the important electrical equipment that is used everywhere. Monitoring transformer's health had become a fiery task. Since in case of any damaged in the internal properties of the transformer will result in huge drawback. So it is mandatory to regularly keep an eye of the transformer. The main objective of this proposal is to acquire live data of transformer health remotely over the internet using Internet of Things technology. We are going to monitor the transformer parameter such as temperature, current, level. These data will be sent over internet using TCP / IP protocol. In case of any power failure the user will be notified with an alert message using GSM module. It also has a unique feature of detecting the phase failure. If any phase gets defect then it will indicated in the development board by an LED. These parameters will be displayed in an android application. By this process we can get to know the health of the transformer regularly and necessary step can be taken to maintain it in a proper way.



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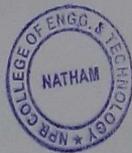
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CHAPTER 6

CONCLUSION

6.1 CONCLUSION

Currently there is no monitoring methodology for distribution transformers. Protective devices are available only to prevent occurrence of fault and will be useful at the time of fault. To design and implement an embedded mobile & IoT system to measure current, oil level & oil temperature of the transformer. By continuous monitoring transformer faults can be predicted and prevented.



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**ARCHITECTURE AND CONTROL OF AN ELECTRIC
VEHICLES CHARGING STATION USING A BIPOLAR
BUS**

A PROJECT REPORT

Submitted by

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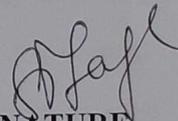


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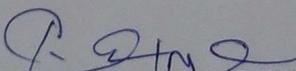
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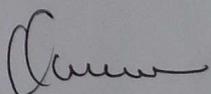
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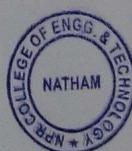
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ABSTRACT

This project proposes a novel architecture for plug-in electric vehicles (PEVs) dc charging station at the megawatt level, through the use of a grid-tied neutral point clamped (NPC) converter. The proposed bipolar dc structure reduces the step-down effort on the dc-dc fast chargers. In addition, this paper proposes a balancing mechanism that allows handling any difference on the dc loads while keeping the midpoint voltage accurately regulated. By formally defining the unbalance operation limit, the proposed control scheme is able to provide complementary balancing capabilities by the use of an additional NPC leg acting as a bidirectional dc-dc stage, simulating the minimal load condition and allowing the modulator to keep the control on the dc voltages under any load scenario. The proposed solution enables fast charging for PEVs concentrating several charging units into a central grid-tied converter. In this paper, simulation and experimental results are presented to validate the proposed charging station architecture.




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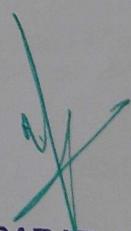
CHAPTER 6

CONCLUSION

6.1 CONCLUSION

A novel architecture for fast charging stations for PEVs has been proposed and validated. It is based in the use of a single grid-tied NPC converter, enabling a bipolar dc bus. Its main features are the megawatt range capability, a single ac-dc stage for powering several charging units, the maintenance of the step-down effort of the chargers, balanced operation during any load scenario, and the possibility to include additional storage or generating units into the system. The structure can be installed in different locations within the city, enabling alternatives for refuelling the PEVs in shorter times, in order to increase its acceptance. The use of a multilevel converter also enables the application in MV (lower currents, smaller ac chokes), and improved THD and power quality. In addition, it enables a possible scale up in the power ratings if needed. The limited unbalanced operation of the converter was used to provide a complementary solution and overcome its limits, enabling the operation in any load scenario.




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**A SIMULATION OF THREE PHASE SINGLE-STAGE
AC-DC WIRELESSPOWER TRANSFER
CONVERTER WITH POWERFACTOR
CORRECTION AND BUS VOLTAGECONTROL**

A MINI PROJECT REPORT

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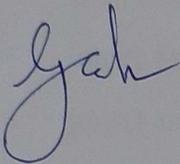
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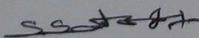
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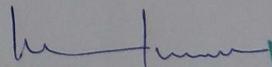
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ABSTRACT

Wireless Power Transfer technology has been a research and industrial hotspot with applications in many areas, such as wireless electric vehicle charging system which requires high power, high efficiency and high power factor. Usually, the power is drawn from 50/60 Hz single phase or three phase AC power source. For a high power application, a three phase AC source is commonly used. In this project, a three phase single stage wireless power transfer resonant converter with power factor correction and bus voltage control is proposed to improve efficiency and power quality of three phase input, and reduce production cost and complexity for high power wireless power transfer system. A T-type topology is applied as the common part to perform both the power factor correction and DC-DC wireless power transfer functionalities simultaneously.




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CONCLUSION

A simulation of three-phase single-stage AC-DC WPT resonant converter with PFC is firstly proposed, studied, and developed. The proposed topology combines a three-phase rectifier bridge and a T-type three-level inverter together to realize the functionalities of AC-DC power factor correction and DC-DCWPT simultaneously. The proposed three-phase topology exhibits much better performance of PFC than the single-phase topology because it can naturally eliminate zero-sequence harmonics of input current, especially for third-order harmonic. Doubtlessly, three-phase topologies are capable of handling higher power than single-phase topologies, therefore, in high power WPT applications, such as 7.7kW, 11.1kW, and 22Kw wireless EV charging system, the proposed three-phase single-stage AC-DC WPT resonant converter holds advantage. As the bus voltage is maintained constant at different load conditions by regulating operation frequency and duty cycle simultaneously, it will not raise too high when load condition varies.




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A SIMULATION OF BRIDGE HEALTH ANALYSIS USING INTERNET OF THINGS

A MINI PROJECT REPORT

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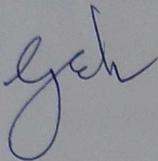
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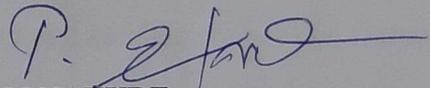


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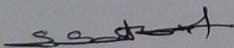
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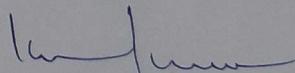
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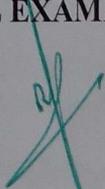
Submitted for the Project viva-voce examination held on 28.04.2020



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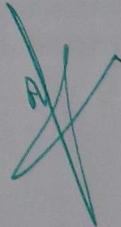
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ABSTRACT

Bridge monitoring system is significant to health diagnosis of railway bridges. This project proposed and developed a novel architecture for large span bridge monitoring. A 3-level distributed structure is adopted in the monitoring system which includes central server, intelligent acquisition node and local controller. Acquisition nodes are located across the bridge. All the acquisition nodes are managed by one local controller. Every acquisition node has 8 channels which can sample displacement, acceleration and strain of bridge. To get high precision data, a 10 bits Analog to Digital converter is used. Compared to the traditional method, the proposed architecture has two features. First, the acquisition node is a smart device based on powerful processor. Signals of field sensors are analyzed and real time compressed in the acquisition node. Only the processing results are sent to local controller through IEEE802.11 wireless network. This operation can relieve load of central server and decrease demand of communication bandwidth. Second, 2G wireless network is utilized to provide enough bandwidth for real-time data transmission between local controller and central server. The intelligent monitoring system has run on a large span railway bridge for six months. Simulated results show that the proposed system is stable and effective.



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CONCLUSION

Simulation work was carried out for Bridge health condition monitoring in real time is very popular issue. The sensor technology is continuously and condition monitoring has never been accurate and easier before. With the help of wireless technology and water level sensor, smart system is developing for securing bridges. This system checks the water level and the position of bridge for safety purpose. In the emergency conditions like earthquake, flood, etc. the facility of broadcasting the message is added. This System is unique in its ability to monitor the bridge environment; it transmits environmental data through wireless communication and sends alerts to the bridge management staff i.e. Monitoring Centre in real time for prompt. The main objective of Bridge Monitoring System using IOT is to save the lives of the people, to protect from accident.




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**AN EFFICIENT DIRECT MPPT SIMULATION FOR PV
SYSTEM UNDER EXTREMELY FAST CHANGING
IRRADIANCE**

A MINI PROJECT REPORT

Submitted by

RAMKUMAR R

MOHAMED RIYASDEEN A

THIPAHAR P

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

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APRIL 2021



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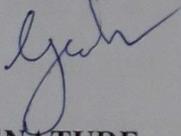
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BONAFIDE CERTIFICATE

Certified that this mini project report “DESIGN AND DEVELOPMENT OF INTELLIGENT SOLAR TREE BASED ON FUZZY PD PLUS I SOLAR TRACKING ALGORITHM” is the bonafide work of “S.ARIVUSELVAN (920818105001), M.DHEENA KARTHIK (920818105002)” who carried out the project work under my supervision.



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**Mr.M.EDWIN LAW RANCE,
M.E.,**

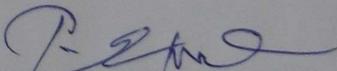
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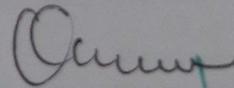
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Natham-634 401

Submitted for the Project viva-voce examination held on 23.04.2021



INTERNAL EXAMINER



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Dr. J.SUNDARARAJAN,

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ABSTRACT

Photovoltaic cells require of Maximum Power Point Tracking (MPPT) algorithms to ensure the amount of power extracted is maximized. True seeking, direct duty cycle control MPPT algorithms are a simple and straightforward solution that can provide high tracking efficiency. In these algorithms the duty cycle is traditionally modified to reach a new steady state prior performing a new MPPT iteration. Therefore, the MPPT update period must be larger than the converter's settling time to reach a new steady state, which limits the dynamic tracking performance. This work proposes a novel direct duty cycle control method that does not require the converter to achieve steady state in between MPPT updates. The proposed method benefits from the natural oscillations occurring in the converter to obtain extreme dynamic tracking improvements while maintaining simple implementation with no need of employing temperature or irradiance sensors. The scheme being introduced combines MPPT concepts with large-signal geometric control to achieve a reliable, high-performance solution very suitable for applications with rapidly changing irradiance such as wearable technology and rooftop EV. The proposed one validated by simulations.



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CONCLUSION

CONCLUSION

This work introduced a simulation of novel approach for performing direct duty-cycle MPPT in photovoltaic energy harvesting applications the state-plane direct MPPT. By employing state plane analysis, the large-signal dynamic behavior of the PV connected power converter was modeled in a straightforward geometric manner. Using this geometric model, an increase in the direct MPPT algorithm updating frequency of two orders of magnitude was enabled. The much higher updating frequency resulted in extreme enhancements in the MPPT dynamic behavior.




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**DESIGN AND DEVELOPMENT OF INTELLIGENT
SOLAR TREE BASED ON FUZZY PD PLUS I SOLAR
TRACKING ALGORITHM**

A MINI PROJECT REPORT

Submitted by

ARIVUSELVAN S

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in partial fulfillment for the award of the degree

of

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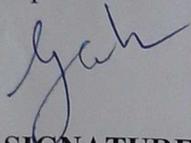
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BONAFIDE CERTIFICATE

Certified that this mini project report “AN EFFICIENT DIRECT MPPT SIMULATION FOR PV SYSTEM UNDER EXTREMELY FAST CHANGING IRRADIANCE” is the bonafide work of “R.RAMKUMAR (920817105022), A.MOHAMED RYASDEEN (920817105017), P.THIPAHAR (920817105027)” who carried out the project work under my supervision.



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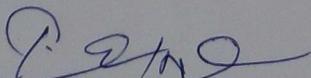
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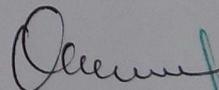
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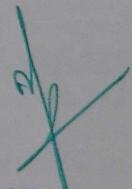
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ABSTRACT

Scarcity of availing energy is certainly minimizing due to the uncontrollable usage of electricity. In order to overcome this situation, power generations are moving on to the non-conventional or renewable side. In India, Solar energy is considered as greatest resource of generating electricity, which is unrestricted, infinite, non-polluting, ecological and frequent source of energy. The project explains astral control tree that generate vast quantity of liveliness by occupying very small space. It can also utilize the "SPIRALLING PHYLLATAXY" to increase the efficiency, which is much better than usual or traditional or normal Solar PV system in occupancy point of view and highly efficient. The theme of the project is to design and develop the intelligent solar tree to grasp the maximum solar power from the sun using Fuzzy PD plus I solar tracking algorithm.




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CONCLUSION

The main motive of the project is to increase the efficiency of the power consumption by placing the solar panels in the vertical axis i.e., in solar tree pattern. The difficulty of horizontal tracking solar system is dominantly eliminated by the vertical tracking solar system. Through the vertical axis manner, the consumption of landmass is getting reduced and the intensity of light radiation is huge in capacity. The mechatronics model helps as to control the rotation of solar panel and its movement. Fuzzy PD plus I is a controlling mechanism which helps in various domains and practical application. In similar way, the solar panel movement is get controlled by Fuzzy.




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**POWER MANGEMENT STORAGE THROUGH LOCAL
CONSUMER DEMAND CONTROL USING IOT**

A MINI PROJECT REPORT

Submitted by

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MANIVEL C

in partial fulfillment for the award of the degree

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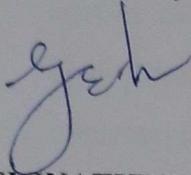
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BONAFIDE CERTIFICATE

Certified that this mini project report “POWER MANAGEMENT STORAGE THROUGH LOAL CONSUMER DEMAND CONTROL USING IOT” is the bonafide work of “M.DHINESH KUMAR (920818105003), C.MANIVEL (920818105004)” who carried out the project work under my supervision.

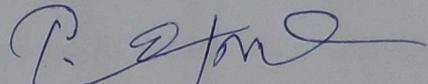


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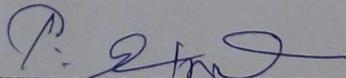
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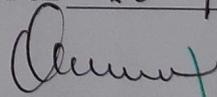
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INTERNAL EXAMINER



EXTERNAL EXAMINER



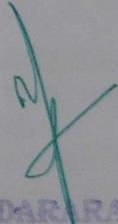
Dr. J.SUNDARARAJAN,
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ABSTRACT

The power management scheme implemented in micro grid system. Internet of Things (IOT) with electronic microcontroller is used to overcome the electricity demand. Let the fastest growing of the electronic devices and that elements load need an entire electricity demand. The proper preposition method is also one of the possible solutions to control the energy demand by using an IOT (Internet of Things). This project describes the smart energy management system using IOT Based system consumer load management .Grid based applications integrated with EV application. Consumer based service implemented with grid applications integrated IOT system for analysis the demand of the system.




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CONCLUSION

In this project we represented the installed technique of 480 Ah of batteries, In, solar 1320Wp of photovoltaic panels, In wind 300Wp and DC generator of 90Wp, were given a monthly saving power 160 to 230kwh. The whole lighting and computer system are completely self-governing. The presented device is provided as a pretty easy and elongated the idea of a self-governing system. It makes the irregular activity of utilization by electrical network and appearing as a unique to the other variety of close by renewable generation. In a energy storage system the end-user person can be expand the idea of centralized storage is monitored and controlled. By means of a community server, and is absolutely included to Smart Grid environment system.



A handwritten signature in blue ink, appearing to be "Dr. J. Sundararajan".

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**MULTI-RATE SIMULATION OF LARGE SCALED
POWER ELECTRONICS SYSTEMS USING
SIMUPEC® ON MATLAB SIMULINK**

A MINI PROJECT REPORT

Submitted by

MONIKA V

SANJAY KISHORE K M

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

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APRIL 2020



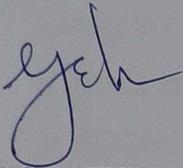
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BONAFIDE CERTIFICATE

Certified that this mini project report “MULTI-RATE SIMULATION OF LARGE SCALED POWER ELECTRONICS SYSTEM USING SIMUPEC® ON MATLAB SIMULINK” is the bonafide work of “V.MONIKA (920818105005), K.M.SANJAY KISHORE (920818105006)” who carried out the project work under my supervision.

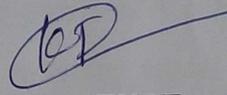


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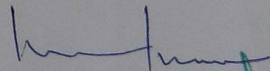
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INTERNAL EXAMINER



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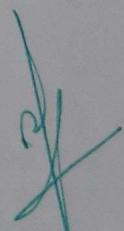
Dr. J.SUNDARARAJAN,
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ABSTRACT

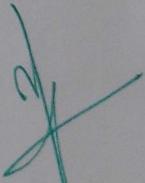
This project describes a new modelling and simulation method for the simulation of large scaled power electronics systems containing thousands of switching devices, thermal and electromechanical devices. The whole power electronics system will be divided into many small subsystems each has its own subsystem matrix. They each are simulated with different time steps according to their requirements of accuracy. This technique allows significant speed improvement compared to modelling the complete power electronics system in one large system matrix and single time step Simulators. In addition it makes the system easy to formulate and program. A comparison between MMC-201-Level converters modelled as switching model (detailed model) using circuit partitioning with an average model using switching function and average capacitor voltage is also presented. The modelling and simulation of a relatively complex power electronics system; a radial three terminals MMC-201-Level converter containing three MMC-201-Level converter stations and six DC-cables will be discussed.




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CONCLUSION

The project has discussed a new modelling and simulation method for the simulation of large scaled power electronics systems containing thousands of switching devices, components, thermal, electromechanical and control systems in the Matlab/Simulink® environment. The project emphasis the modelling and simulation using circuit partitioning and decoupling; a powerful feature which enables you to divide large scaled power electronics system (large system matrix) into many small systems (many small matrices) which can each be modeled as separate S-functions having their own multi-rate factors MRF. The new large time step of the S-function block is a multiplication of the system fixed step of Simulink with multi-rate factor MRF. The modelling and simulation of a relatively complex power electronics system; a radial three terminals MMC-201-Level converter containing three MMC-201-Level converter stations and 6 DC-cables has been presented



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**A ROBUST ANALYTIC MODEL OF FOLDED FIN
COLD PLATES FOR AUTOMOTIVE POWER
ELECTRONICS COOLING**

A MINI PROJECT REPORT

Submitted by

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VIGNESHWARAN R

in partial fulfillment for the award of the degree

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APRIL 2020



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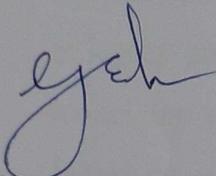
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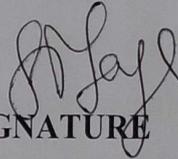
BONAFIDE CERTIFICATE

Certified that this mini project report "A ROBUST ANALYTIC MODEL OF FOLDED FIN COLD PLATES FOR AUTOMOTIVE POWER ELECTRONICS COOLING" is the bonafide work of "R.B SARAN (920818105007), R.VIGNESHWARAN (920818105701)" who carried out the project work under my supervision.



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Mrs.S.T.SARANYA, M.E.,

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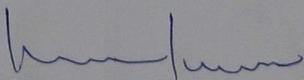
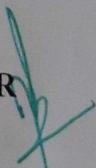
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Submitted for the Project viva-voce examination held on 28.04.2020



INTERNAL EXAMINER

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Principal

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Natham, Dindigul (Dt) - 624 401.



ABSTRACT

The development of high power density automotive power electronics led to newer, and often more costly, cooling solutions in pursuit of maintaining desirable operating temperatures. This has been followed by a shift of focus from proving new technologies to producing low-cost electric and hybrid-electric vehicles accessible to more customers, resulting in renewed interest in low-cost solutions to power electronics cooling. Folded fins are one such solution, common on mass produced heat exchangers, and have been applied in legacy power electronics cooling systems. This paper presents an analytic model that allows for an expedient, robust, and accurate thermal analysis of a folded fin cold plate. The model combines empirical and algebraic approaches to capture heat transfer effects in a 3-dimensional, multi-phase domain including the transistor, cold plate, and coolant. In practice, computational analysis is often used in place of empirical and mathematical methods. The methods described here have the advantages of allowing for broader and more efficient trade studies due to vastly shorter solution times and providing junction temperature estimates within 5 °C of computational methods, and therefore complement computational methods. Lastly, use of the model to design a cold plate for an insulated-gate bipolar transistor cooling system in a hybrid electric vehicle is described. The model is used to explore manufacturability constraints, fouling criteria, assembly methods, fin types, and materials of construction. The result is a design that provides a comparable operating junction temperature in the IGBTs with a significant cost reduction compared to a more exotic legacy design.




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CONCLUSION

The model presented is specific to three types of folded fin cold plate design. However, the model can be expanded to other types of folded fins if empirical flow correlations are available. For cold plate designs that don't use folded fins, most of the methods described are still applicable and would be useful for design work. This work demonstrates the potential of low-cost fin solutions, particularly the folded fin, to provide thermal performance comparable to more expensive designs. Despite a significantly higher convective heat transfer coefficient, a proprietary design currently in use does not provide significant reduction in junction temperature due to dominance of other thermal resistances, such as the junction-to-case thermal resistance of the IGBT package and the thermal resistance of the TIM




Dr. J.SUNDARARAJAN,
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Natham, Dindigul (Dt) - 624 401,

Date: 30.09.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for In-Plant Training-reg

Ref: NPRCET/OFF/EEE/IPT-01/2020-2021 dated: 28.09.2020

With reference to your letter we are pleased to grant permission for Mr. ABUDHAGIR K (920817105003), Mr. HARIHARAN S (920817105013), Mr. MOHAMED FAIZ A (920817105016), Mr. SABARISH R (920817105024) of final year Electrical and Electronics Engineering of your institution to undergo In-Plant Training in our concern from 05.10.2020 to 14.10.2020.

With Regards

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



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Date: 14-10-2020

Ref No: SUP/IPT/20810

INDUSTRIAL IN-PLANT TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **Mr. ABUDHAGIR K (920817105003)** pursuing his final year EEE at NPR College of Engineering & Technology, Natham, has undergone his In-Plant Training in our concern **from 05.10.2020 to 14.10.2020**.

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



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Date: 14-10-2020

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INDUSTRIAL IN-PLANT TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **Mr. HARIHARAN S (920817105013)** pursuing his final year EEE at NPR College of Engineering & Technology, Natham, has undergone his In-Plant Training in our concern **from 05.10.2020 to 14.10.2020.**

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 14-10-2020

Ref No: SUP/IPT/20810

INDUSTRIAL IN-PLANT TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **Mr. MOHAMED FAIZ A (920817105016)** pursuing his final year EEE at NPR College of Engineering & Technology, Natham, has undergone his In-Plant Training in our concern **from 05.10.2020 to 14.10.2020.**

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, **Mail:** info@superfectsolutions.com, **Web:** www.superfectsolutions.com



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 14-10-2020

Ref No: SUP/IPT/20810

INDUSTRIAL IN-PLANT TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **Mr. SABARISH R (920817105024)** pursuing his final year EEE at NPR College of Engineering & Technology, Natham, has undergone his In-Plant Training in our concern **from 05.10.2020 to 14.10.2020**.

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, **Mail:** info@superfectsolutions.com, **Web:** www.superfectsolutions.com



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 24.10.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for In-plant training-reg

Ref: NPRCET/OFF/EEE/IPT-02/2020-2021 dated: 22.10.2020.

With reference to your letter we are pleased to grant permission for Ms.V.Monika (920818105005), Mr. R.B.Saran (920818105007), Mr. K.Vigneshwaran (920818105701) of third year Electrical and Electronics Engineering of your institution to undergo In-plant training in our concern from 29.10.2020 to 08.11.2020.



R/S
Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

With Regards, *M. Vignesh*

NANO TECH GROUPS

No:31/588, 5th Cross

Shanmuga Nagar, U.K.T. Malai

Trichy- 620 102

Cell:98948 90200, 88070 90200

+91 88070 90200 ntgroups.india@gmail.com

+91 98948 90200 www.nanotechgroups.in

NANO TECH GROUPS

No: 31/588, 5th Cross, Shanmuga Nagar, Uyyakondan Thirumalai, Trichy - 620 102

Date: 08.11.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of third year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-plant training in our concern from 29.10.2020 to 08.11.2020.

During this period their conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Ms.V.Monika	920818105005	III & EEE
2.	Mr. R.B.Saran	920818105007	III & EEE
3.	Mr. K.Vigneshwaran	920818105701	III & EEE

With Regards,

M. Sundararajan
NANO TECH GROUPS
No:31/588, 5th Cross
Shanmuga Nagar, U.K.T. Malai
Trichy- 620 102
Cell:98948 90200, 88070 90200



J. Sundararajan
Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

+91 88070 90200  ntgroups.india@gmail.com
+91 98948 90200  www.nanotechgroups.in

NANO TECH GROUPS

 No: 31/588, 5th Cross, Shanmuga Nagar, Uyyakondan Thirumalai, Trichy - 620 102



43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

Date: 18.12.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for In-plant training-reg

Ref: NPRCET/OFF/EEE/IPT-03/2020-2021 dated: 15.12.2020

With reference to your letter we are pleased to grant permission for Mr. ABDUL AJEESH.A (920817105001), Mr.DINESHKUMAR K (920817105008), Mr.ARUN KUMAR.P (920817105004), Mr.DIVAKAR M (920817105009), Mr.RUBAKUMAR B (920817105023), Mr.SENTHIL KUMARAN V (920817105026) of Final year Electrical and Electronics Engineering of your institution to undergo In-plant training in our concern from 21.12.2020 to 23.01.2021.


Dr. J.SUNDARARAJAN,
B.E, M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

For UMBI

PROVATION

Proprietor

With Regards





43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

Date: 23.01.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of Final year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 21.12.2020 to 23.01.2021.

During this period his conduct was sincere and hardworking.

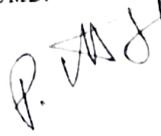
S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.ABDUL AJEESH.A	920817105001	IV & EEE


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For UMBI

PROVATION



Proprietor

With Regards





43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

Date: 23.01.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of Final year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 21.12.2020 to 23.01.2021.

During this period his conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.DINESHKUMAR K	920817105008	IV & EEE

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For UMBI

PROVATION

Proprietor

With Regards





43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

Date: 23.01.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of Final year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 21.12.2020 to 23.01.2021.

During this period his conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.ARUN KUMAR.P	920817105004	IV & EEE


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For UMBI

PROVATION



Proprietor

With Regards





43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

Date: 23.01.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of Final year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 21.12.2020 to 23.01.2021.

During this period his conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.DIVAKAR M	920817105009	IV & EEE

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For UMBI

PROVATION

Proprietor

With Regards





43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

Date: 23.01.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of third year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 21.12.2020 to 23.01.2021.

During this period his conduct was sincere and hardworking.

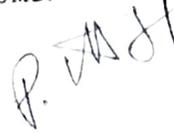
S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.RUBAKUMAR B	920817105023	IV & EEE


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For UMBI

PROVATION


Proprietor

With Regards





43, 4th Cross, uyyakondan thirumalai, Vayalur Road,
Trichy — 620102.
corporate.umbrella1998@gmail.com
8015080200.

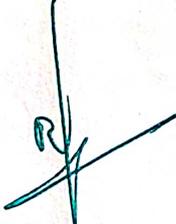
Date: 23.01.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of third year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 21.12.2020 to 23.01.2021.

During this period his conduct was sincere and hardworking.

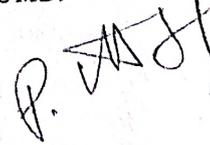
S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.SENTHIL KUMARAN V	920817105026	IV & EEE


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



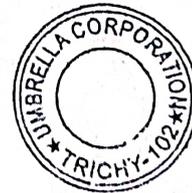
For UMBI

PROVATION



Proprietor

With Regards





ELYSIUM TECHNOLOGIES
PRIVATE LIMITED

GST No: 33AACCE2334E1ZA
CIN No: U72200TN2006PTC060465



Date: 10.09.2021

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

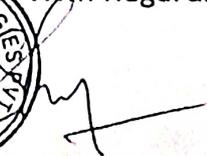
Sub: Permission for In-plant training-reg

Ref: NPRCET/OFF/EEE/IPT-01/2021-2022 dated: 08.09.2021

With reference to your letter we are pleased to grant permission for Mr. S. Arivuselvan (920818105001), Mr. M. Deena Karthik (920818105002), Mr. M.Dinesh Kumar (920818105003), Mr. C. Manivel (920818105004), Mr. K.M. Sanjay Kishore (920818105006), of final year Electrical and Electronics Engineering of your institution to undergo In-plant training in our concern from 14.09.2021 to 25.09.2021.




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

With Regards

(For Elysium technologies)

+91 - 452 - 4390702, 4392702
+91 - 994-479-3398

Info@elyslumtechnologies.com
WWW.elyslumtechnologies.com

227-230, Church Road, Annanagar,
Madurai-625 020, Tamilnadu, India.

Date: 25.09.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of final year EEE of NPR College of Engineering & Technology, Natham has successfully done the In-Plant training in our concern from 14.09.2021 to 25.09.2021.

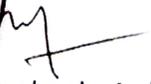
During this period their conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.S.ARIVUSELVAN	920818105001	IV EEE
2.	Mr.M.DEENA KARTHICK	920818105002	IV EEE
3.	Mr.M.DINESH KUMAR	920818105003	IV EEE
4.	Mr.C.MANIVEL	920818105004	IV EEE
5.	Mr.K.M.SANJAY ISHORE	920818105006	IV EEE




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



With Regards

(For Elysium technologies)

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Dear Sir,

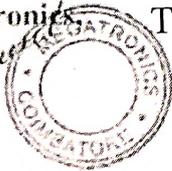
Sub: Permission for In-Plant Training-reg

Ref: NPRCET/OFF/EEE/IPT-02/2021-2022 dated: 28-09-2021.

With reference to your letter cited above, we are pleased to give permission for Mr. LOGESHWARAN N (920819105007), Mr. PITCHIYATHA D (920819105009), Mr. POORNAKUMAR V (920819105010), Mr. RAJAMURUGAN M (920819105012) of Third year Electrical and Electronics Engineering of your institution to undergo In-Plant Training in our organization from 05.10.2021 to 16.10.2021.

For Megatronics Thank you.

(C. Kabbian)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-66001 Phone : 0422 - 256 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 16-10-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. LOGESHWARAN N (920819105007)** doing Third year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the In-Plant training program offered by our organization during the period of 05.10.2021 - 16.10.2021.

We wish her every success in life.

For Megatronics

(C. Kalman)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-85001 Phone : 0422 - 256 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 16-10-2021

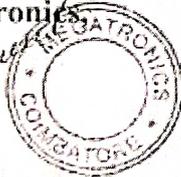
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PITCHIYATHA D (920819105009)** doing Third year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the In-Plant training program offered by our organization during the period of 05.10.2021 - 16.10.2021.

We wish her every success in life.

For Megatronics

(C.Kabhan)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-85001 Phone : 0422 - 256 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 16-10-2021

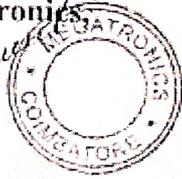
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. POORNAKUMAR V (920819105010)** doing Third year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the In-Plant training program offered by our organization during the period of 05.10.2021 - 16.10.2021.

We wish her every success in life.

For Megatronics

(C.Kabhan)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-85001 Phone : 0422 - 256 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 16-10-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJAMURUGAN M (920819105012)** doing Third year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the In-Plant training program offered by our organization during the period of 05.10.2021 - 16.10.2021.

We wish her every success in life.

For Megatronics

(C.Kabhan)



Megatronics

65, R.K. Mills "B" Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-65001 Phone : 0422 - 256 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Labo Scientific

563,7th Cross Main Road, Srinivasa Nagar, Trichy -620017.
laboscientificindia@gmail.com, 8667767992.



labo scientific Engineering

Date: 06.09.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for internship-reg

Ref: NPRCET/OFF/EEE/INT-01/2020-2021 dated: 02.09.2020.

With reference to your letter we are pleased to grant permission for Ms.KASTHURI M (920819105005), Ms.LAKSHMI PRIYA A (920819105006), Ms.USHADEVI C (920819105015) of second year Electrical and Electronics Engineering of your institution to undergo internship in our concern from 09.09.2020 to 19.09.2020.

With Regards

Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For LABO - SCIENTIFIC

Proprietor

Labo Scientific

563,7th Cross Main Road, Srinivasa Nagar, Trichy -620017.
laboscientificindia@gmail.com, 8667767992.



labo scientific Engineering

Date: 19.09.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. KASTHURI M (920819105005) of Second year EEE of NPR College of Engineering & Technology, Natham have successfully done the internship in our concern from 09.09.2020 to 19.09.2020.

During this period her behavior are good and hardworking.

Dr. J.SUNDARARAJAN,
E.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



With Regards

For LABO - SCIENTIFIC

Proprietor

Labo Scientific

563,7th Cross Main Road, Srinivasa Nagar, Trichy -620017.
laboscientificindia@gmail.com, 8667767992



labo scientific Engineering

Date: 19.09.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that) Ms.LAKSHMI PRIYA A (920819105006) of Second year EEE of NPR College of Engineering & Technology, Natham have successfully done the internship in our concern from 09.09.2020 to 19.09.2020.

During this period her behavior are good and hardworking.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



With Regards

For LABO - SCIENTIFIC

Proprietor

Labo Scientific

563,7th Cross Main Road, Srinivasa Nagar, Trichy -620017.
laboscientificindia@gmail.com, 8667767992



labo scientific Engineering

Date: 19.09.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.USHADEVI C (920819105015) of Second year EEE of NPR College of Engineering & Technology, Natham have successfully done the internship in our concern from 09.09.2020 to 19.09.2020.

During this period her behavior are good and hardworking.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



With Regards

For LABO - SCIENTIFIC

Proprietor



Caliber

CALIBER VIRTUAL TECHNOLOGIES
NO:4, 1st FLOOR, GANDHI NAGAR FIRST STREET,
KAVUNDAMPALAYAM, COIMBATORE— 641030.

GST. No: 33BYOPP5323C3ZH

Date: 30.10.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham, Dindigul – 624 401

Dear Sir,

Sub: Permission for Internship-reg

Ref: NPRCET/OFF/EEE/INT-02/2020-2021 Dated: 28.10.2020.

With respect to reference cited above, we permit Mr. LOGESHWARAN N (920819105007), Mr. PITCHIYATHA D (920819105009), Mr. POORNAKUMAR V (920819105010), Mr. RAJAMURUGAN M (920819105012), Mr. RAJASEKAR M (920819105013) of Second year Electrical and Electronics Engineering to undergo online internship in our organization from 02.11.2020 to 07.12.2020.

Thank you.

AUTHORISED SIGNATURE

salemcaliberembeddedtech@gmail.com Contact 7867014811



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Caliber

CALIBER VIRTUAL TECHNOLOGIES
NO:4, 1ST FLOOR, GANDHI NAGAR FIRST STREET,
KAVUNDAMPALAYAM, COIMBATORE— 641030.

GST. No: 33BYOPP5323C3ZH

Date: 07.12.2020

To whomsoever it may concern

This is to certify that **Mr. PITCHIYATHA D (920819105009)**,
Second year EEE of NPR College of Engineering & Technology, Natham has
undergone online internship training in our organization from **02.11.2020** to
07.12. 2020.

We appreciate his participation with interest towards the training program.

AUTHORISED SIGNATURE

salemcaliberembeddedtech@gmail.com Contact 7867014811



Dr. J.SURUDHARAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Caliber

CALIBER VIRTUAL TECHNOLOGIES
NO:4, 1st FLOOR, GANDHI NAGAR FIRST STREET,
KAVUNDAMPALAYAM, COIMBATORE— 641030.

GST. No: 33BYOPP5323C3ZH

Date: 07.12.2020

To whomsoever it may concern

This is to certify that **Mr. RAJAMURUGAN M (920819105012)**,
Second year EEE of NPR College of Engineering & Technology, Natham has
undergone online internship training in our organization from **02.11.2020 to**
07.12. 2020.

We appreciate his participation with interest towards the training program.

AUTHORISED SIGNATURE

salemcaliberembeddedtech@gmail.com Contact 7867014811



Dr. J.SUNIL
65, Natham Road,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Caliber

CALIBER VIRTUAL TECHNOLOGIES
NO:4, 1st FLOOR, GANDHI NAGAR FIRST STREET,
KAVUNDAMPALAYAM, COIMBATORE— 641030.

GST. No: 33BYOPP5323C3ZH

Date: 07.12.2020

To whomsoever it may concern

This is to certify that Mr. **RAJASEKAR M (920819105013)**,
Second year EEE of NPR College of Engineering & Technology, Natham has
undergone online internship training in our organization from **02.11.2020** to
07.12. 2020.

We appreciate his participation with interest towards the training program.

AUTHORISED SIGNATURE

salemcaliberembeddedtech@gmail.com Contact 7867014811



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Caliber

CALIBER VIRTUAL TECHNOLOGIES
NO:4, 1ST FLOOR, GANDHI NAGAR FIRST STREET,
KAVUNDAMPALAYAM, COIMBATORE— 641030.

GST. No: 33BYOPP5323C3ZH

Date: 07.12.2020

To whomsoever it may concern

This is to certify that **Mr. POORNAKUMAR V (920819105010)**,
Second year EEE of NPR College of Engineering & Technology, Natham has
undergone online internship training in our organization from **02.11.2020** to
07.12. 2020.

We appreciate his participation with interest towards the training program.

AUTHORISED SIGNATURE

salemcaliberembeddedtech@gmail.com Contact 7867014811



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Caliber

CALIBER VIRTUAL TECHNOLOGIES
NO:4, 1st FLOOR, GANDHI NAGAR FIRST STREET,
KAVUNDAMPALAYAM, COIMBATORE— 641030.

GST. No: 33BYOPP5323C3ZH

Date: 07.12.2020

To whomsoever it may concern

This is to certify that **Mr. LOGESHWARAN N (920819105007)**,
Second year EEE of NPR College of Engineering & Technology, Natham has
undergone Internship training in our organization from **02.11.2020** to
07.12. 2020.

We appreciate his participation with interest towards the training program.

AUTHORISED SIGNATURE

salemcaliberembeddedtech@gmail.com Contact 7867014811



Dr. J.SUNDARARAJAP,
D.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



ELYSIUM TECHNOLOGIES PRIVATE LIMITED

GST No: 33AACCE2334E1ZA
CIN No: U72200TN2006PTC060465

NASSCOM MEMBER



Date: 12.02.2021

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for Internship training-reg

Ref: NPRCET/OFF/EEE/INT-03/2020-2021 dated: 08.02.2021

With reference to your letter we are pleased to grant permission for Mr. M. Deena Karthik (920818105002), Mr. M. Dinesh Kumar (920818105003), Mr. C. Manivel (920818105004), Mr. K.M. Sanjay Kishore (920818105006), of third year Electrical and Electronics Engineering of your institution to undergo Internship training in our concern from 15.02.2021 to 27.02.2021.



[Handwritten Signature]
Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



With Regards

[Handwritten Signature]
(For Elysium technologies)

Date: 27.02.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of third year EEE of NPR College of Engineering & Technology, Natham has successfully done the Internship training in our concern from 15.02.2021 to 27.02.2021.

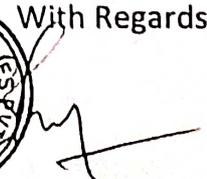
During this period their conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Mr.M.DEENA KARTHICK	920818105002	III EEE
2.	Mr.M.DINESH KUMAR	920818105003	III EEE
3.	Mr.C.MANIVEL	920818105004	III EEE
4.	Mr.K.M.SANJAY ISHORE	920818105006	III EEE




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



With Regards

(For Elysium technologies)

मेगाट्रॉनिक्स

Date: 05.03.2021

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Dear Sir,

Sub: Permission for Internship-reg

Ref: NPRCET/OFF/EEE/INT-04/2020-2021 dated: 01-03-2021.

With reference to your letter cited above, we are pleased to give permission for Mr. KARTHIKEYAN R (920819105004), Mr. PRADAPKANNAN B (920819105011), Mr. SUJEETHRAN S (920819105014) of Second year Electrical and Electronics Engineering of your institution to undergo Internship Training in our organization from 08.03.2021 to 20.03.2021.

For Megatronix

(C. Kubhan)



Thank you.

Megatronix

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-65001 Phone : 0422 - 256 5001 E-mail : megatronixindia@gmail.com
Web : www.megatronixindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 20-03-2021

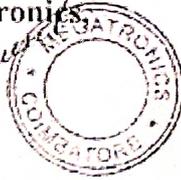
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KARTHIKEYAN R (920819105004)** doing Second year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the Internship training program offered by our organization during the period of 08.03.2021 - 20.03.2021.

We wish her every success in life.

For Megatronics

(C.Kabhan)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-85001 Phone : 0422 - 256 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 20-03-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PRADAPKANNAN B (920819105011)** doing Second year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the Internship training program offered by our organization during the period of 08.03.2021 - 20.03.2021.

We wish her every success in life.

For Megatronics

(C.Kalman)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-85001 Phone : 0422 - 250 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

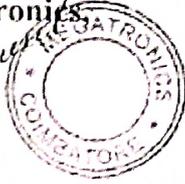
Date: 20-03-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SUJEETHRAN S (920819105014)** doing Second year B.E, Electrical and Electronics Engineering in NPR College of Engineering & Technology, Natham has undergone the Internship training program offered by our organization during the period of 08.03.2021 - 20.03.2021.

We wish her every success in life.

For Megatronics
(C.Kalhan)



Megatronics

65, R.K. Mills 'B' Colony, Peelamedu Pudur, Coimbatore - 641 004.
Cell : 98422-85001 Phone : 0422 - 250 5001 E-mail : megatronicsindia@gmail.com
Web : www.megatronicsindia.in



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 10.09.2021

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for Internship Training-reg

Ref: NPRCET/OFF/EEE/INT-01/2021-2022 dated: 06.09.2020

With reference to your letter we are pleased to grant permission for Mr. BHARATHIRAJA C (920820105002), Mr. GOVINTHAVASAN A (920820105003), Mr. HARISH G (920820105004), Mr. ISHAS AHAMED A (920820105004) of second year Electrical and Electronics Engineering of your institution to undergo Internship Training in our concern from 15.09.2021 to 25.09.2021.

With Regards

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 25-09-2021

Ref No: SUP/INT/21016

INTERNSHIP TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **Mr. GOVINTHAVASAN A (920820105003)** pursuing his second year EEE at NPR College of Engineering & Technology, Natham, has undergone his Internship Training in our concern from **15.09.2021 to 25.09.2021.**

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 25-09-2021

Ref No: SUP/INT/21016

INTERNSHIP TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that Mr. BHARATHIRAJA C (920820105002) pursuing his second year EEE at NPR College of Engineering & Technology, Natham, has undergone his Internship Training in our concern from 15.09.2021 to 25.09.2021.

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



Dr. JSUNDARARAJAN,
BE., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Techno. by
Natham, Dindigul (Dt) - 624 401.

Date: 25-09-2021

Ref No: SUP/INT/21016

INTERNSHIP TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that Mr. HARISH G (920820105004) pursuing his second year EEE at NPR College of Engineering & Technology, Natham, has undergone his Internship Training in our concern from 15.09.2021 to 25.09.2021.

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 25-09-2021

Ref No: SUP/INT/21016

INTERNSHIP TRAINING CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that Mr. ISHAS AHAMED A (920820105004) pursuing his second year EEE at NPR College of Engineering & Technology, Natham, has undergone his Internship Training in our concern from 15.09.2021 to 25.09.2021.

We appreciate his participation with interest towards the training program.

For SUPERFECT SOLUTIONS,



AUTHORIZED SIGNATORY



SUPERFECT SOLUTIONS

Tel: 9025-655-523, Mail: info@superfectsolutions.com, Web: www.superfectsolutions.com



Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (D.) - 624 401.

Date: 18.10.2021

To

The Principal,
NPR College of Engineering & Technology,
Natham.

Sir,

Sub: Permission for Internship training-reg

Ref: NPRCET/OFF/EEE/INT-02/2021-2022 dated: 13.10.2021

With reference to your letter we are pleased to grant permission for Ms. Brindha R (920820105303), Ms. Geethanjali (920820105305), Ms. Kalaiselvi S (920820105307), Ms. Monika (920820105312) of second year Electrical and Electronics Engineering of your institution to undergo Internship training in our concern from 22.10.2021 to 03.11.2021.

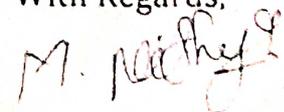


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

NANO TECH GROUPS
No:31/588, 5th Cross
Shanmuga Nagar, U.K.T. Malai
Trichy- 620 102
Cell:98948 90200, 88070 90200

With Regards,



Date: 03.11.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the students of second year EEE of NPR College of Engineering & Technology, Natham has successfully done the Internship training in our concern from 22.10.2021 to 03.11.2021.

During this period their conduct was sincere and hardworking.

S. No.	Name of the Student	Register Number	Year & Branch
1.	Ms. BRINTHA R	920820105303	II EEE
2.	Ms. GEETHANJALI DEVI S	920820105305	II EEE
3.	Ms. KALAI SELVI S	920820105307	II EEE
4.	Ms. MONIKA K	920820105312	II EEE




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

With Regards,


NANO TECH GROUPS
No:31/588, 5th Cross
Shanmuga Nagar, U.K.T. Malai
Trichy- 620 102
Cell:98948 90200, 88070 90200