

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai) UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi Accredited with 'A+' grade by NAAC An ISO 9001:2015 Certified Institution Recognized by UGC under section 2(f) & 12(B) of UGC Act, 1956 Trichy – Pudukkottai Road, Tiruchirappalli – 620 007. Phone:0431-2660 303 Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu



7.2.1 Describe two best practices successfully implemented by the Institution as per

NAAC format provided in the Manual.

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1	Best practice -1 (ERP screen shot)	2-20
1.	ERP Bill	21-22
2.	Best practice -2 backup documents	23-79

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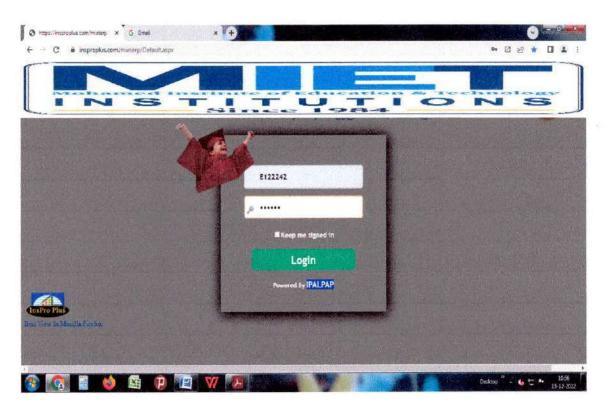
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BEST PRACTICE -1

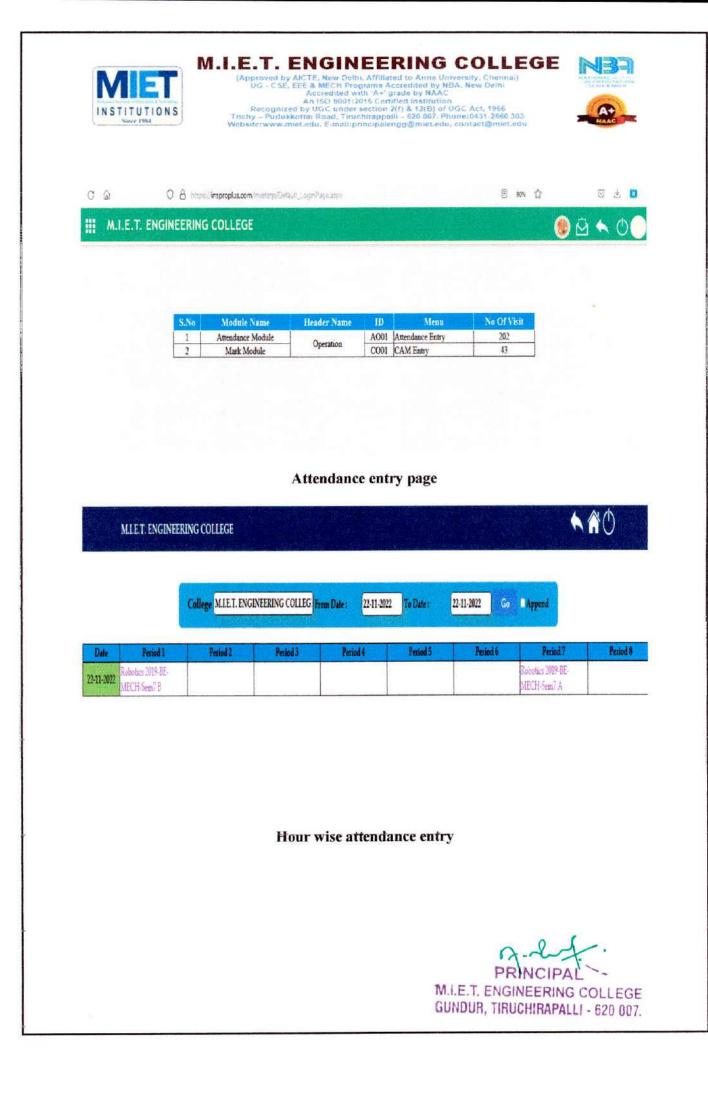
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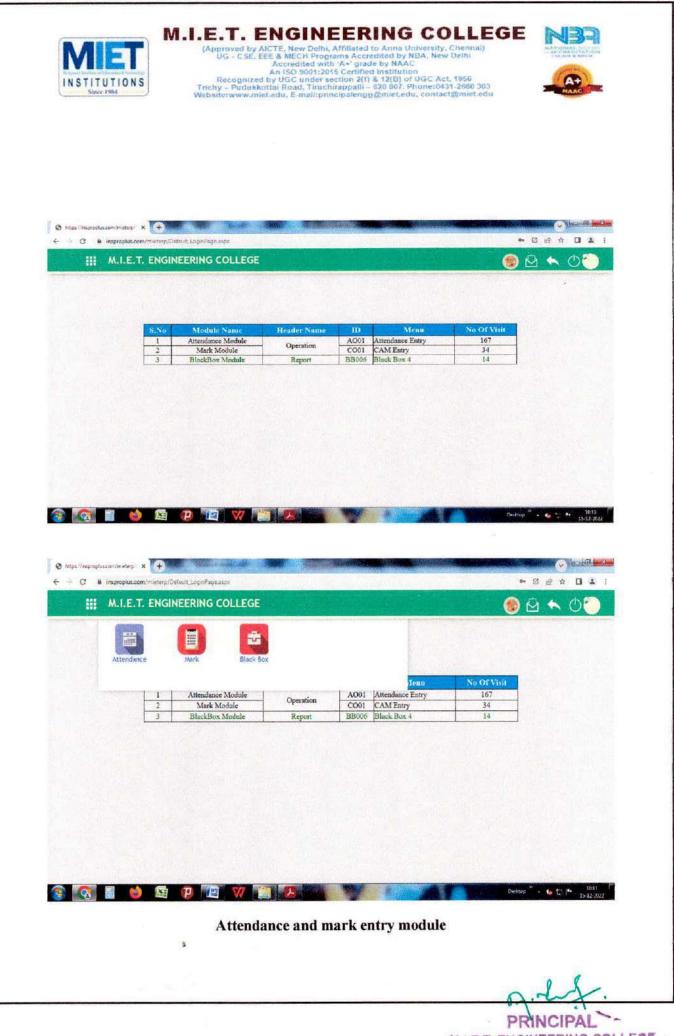
The ERP system includes students attendance, daily absentees report with attendance percentage, assessment details including results and reports, faculty follow-up, etc.

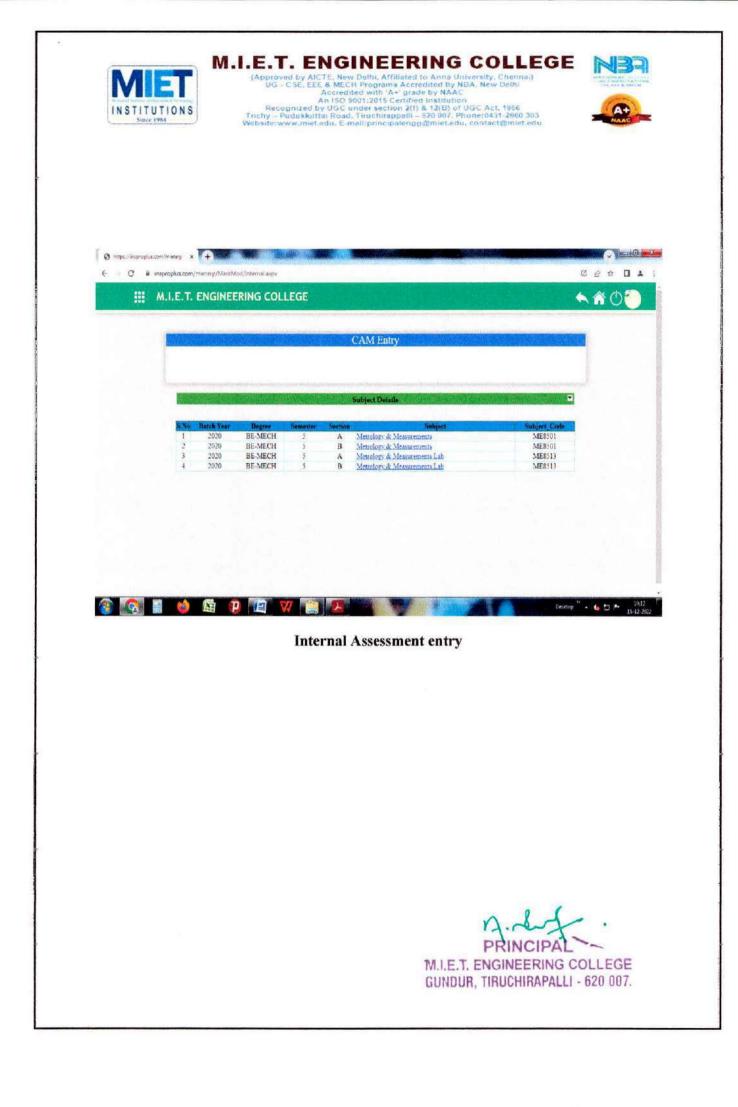


Screenshot of ERP login

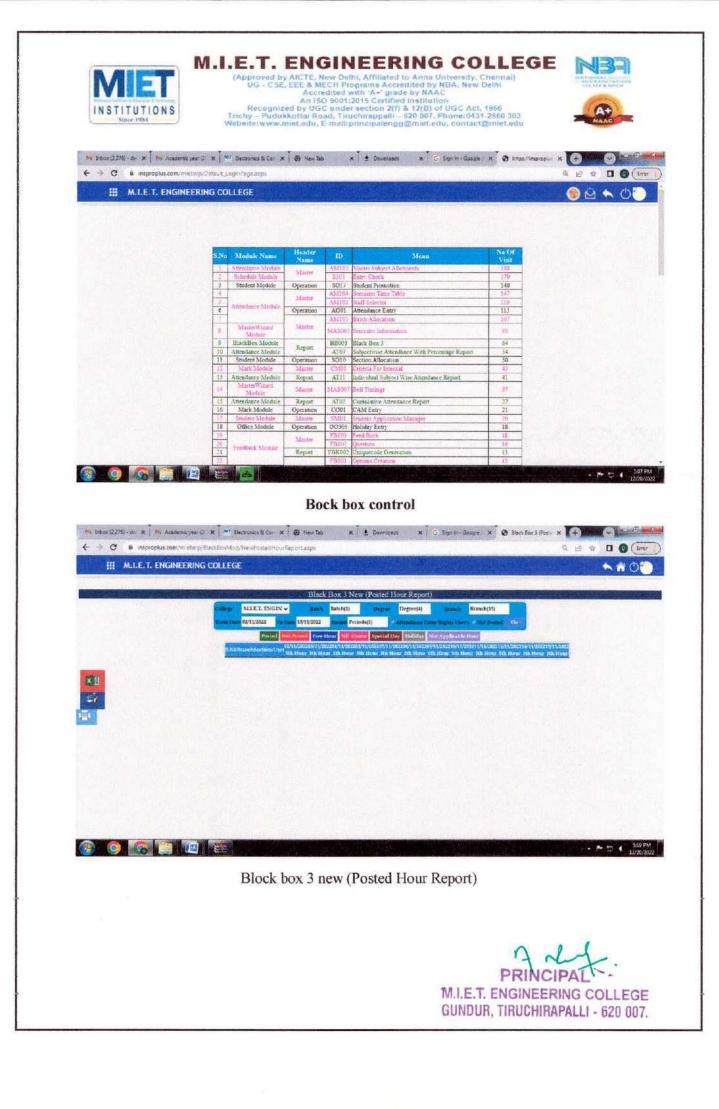
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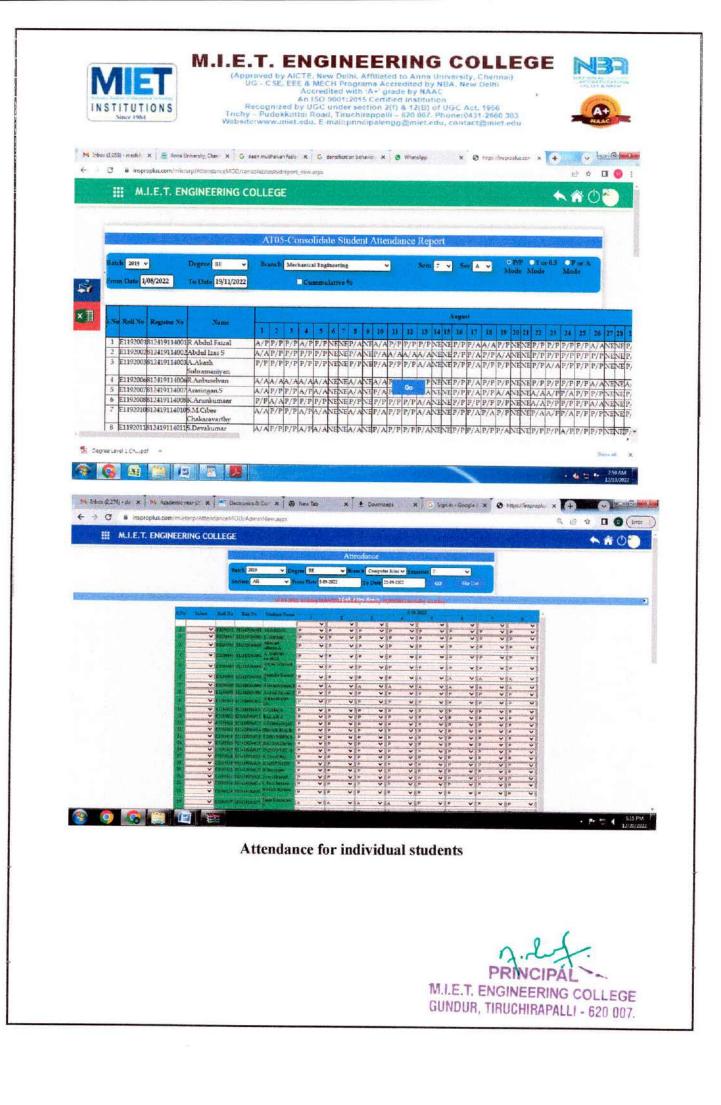




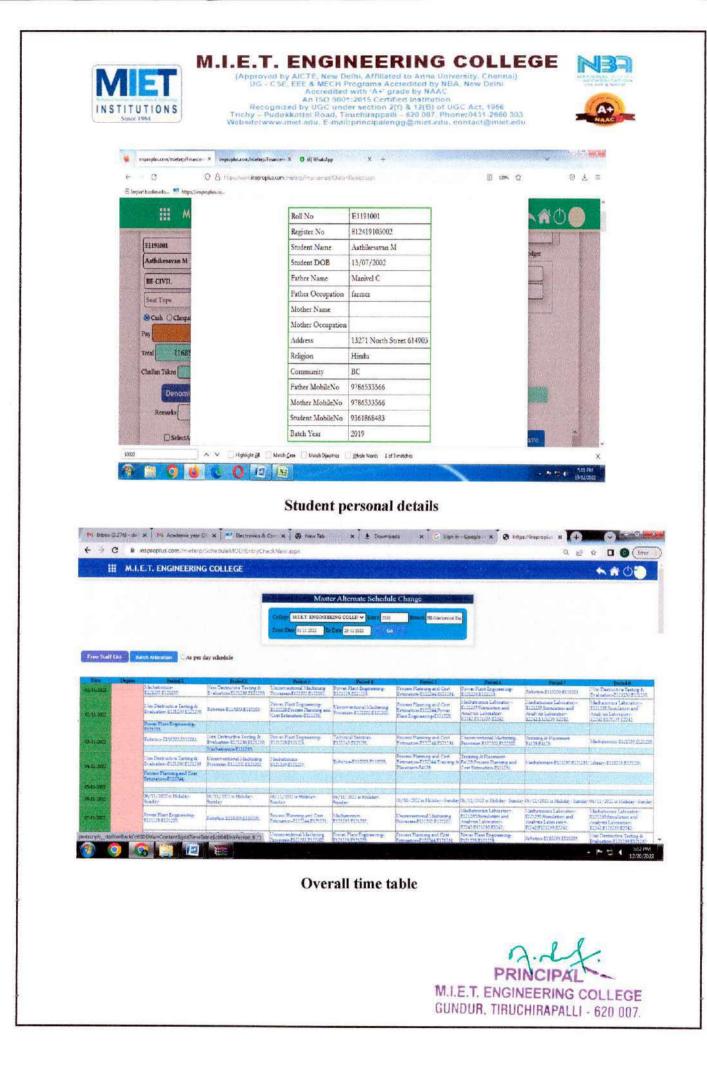
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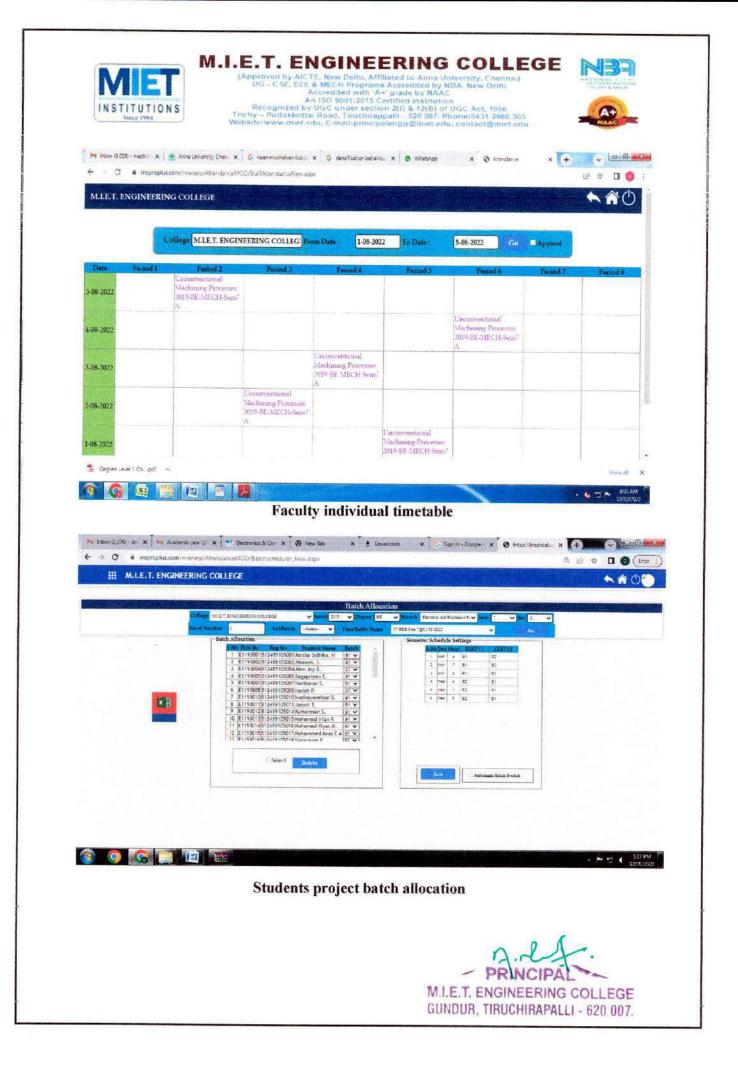






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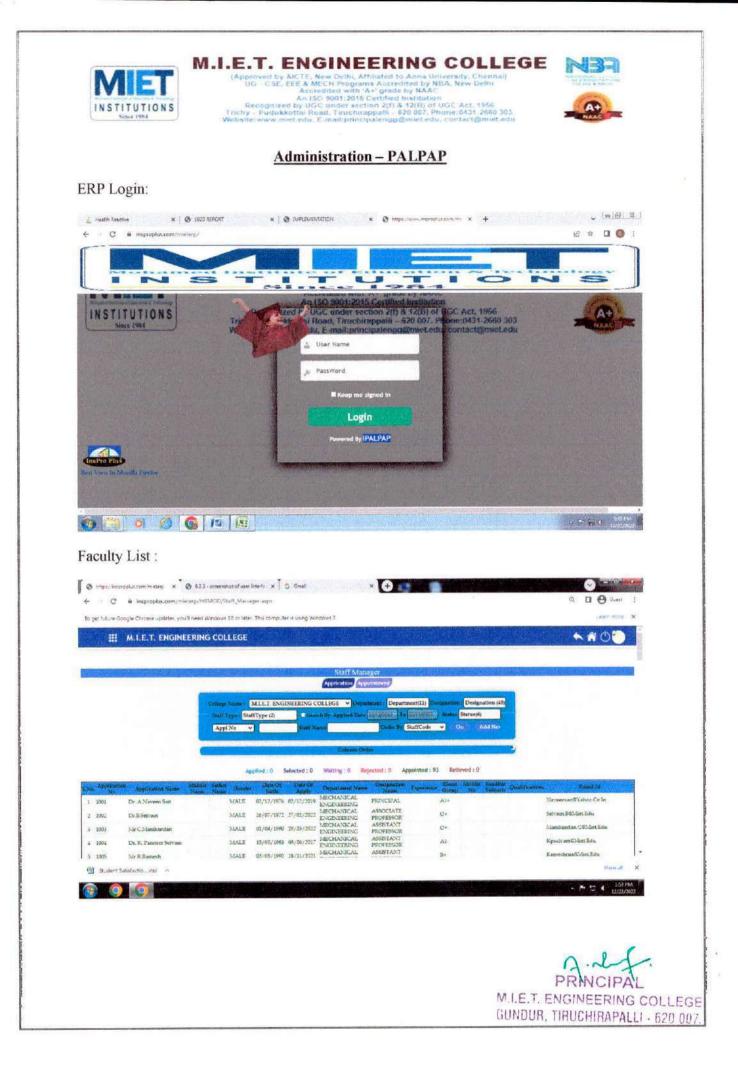


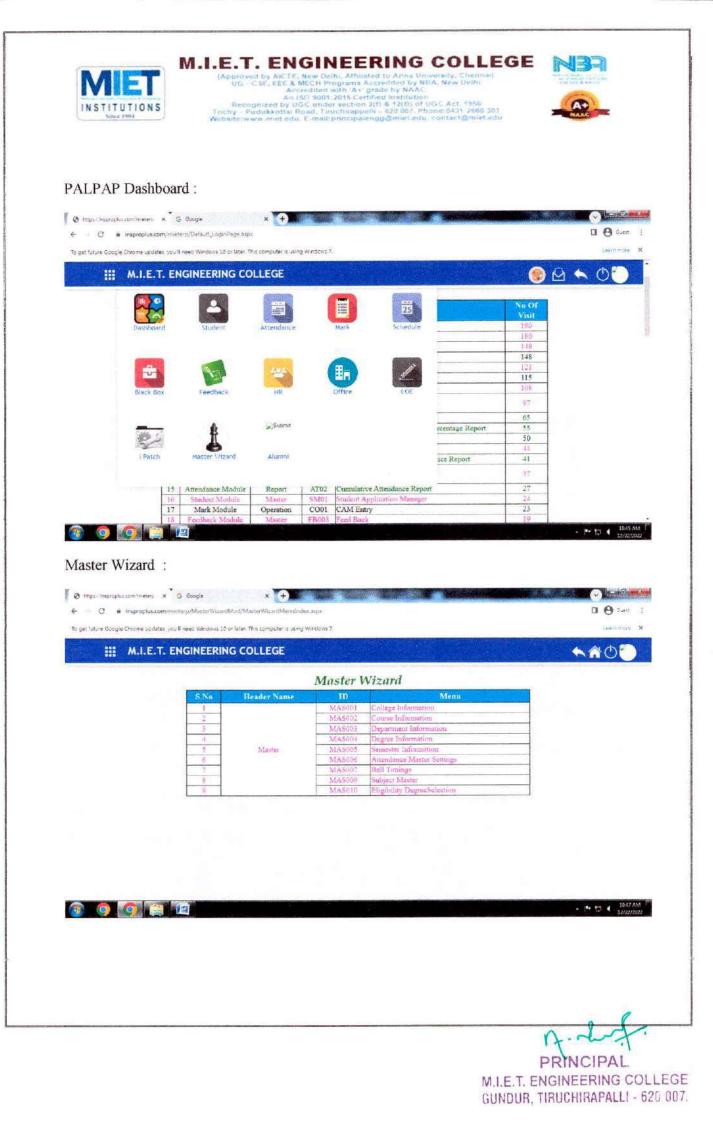


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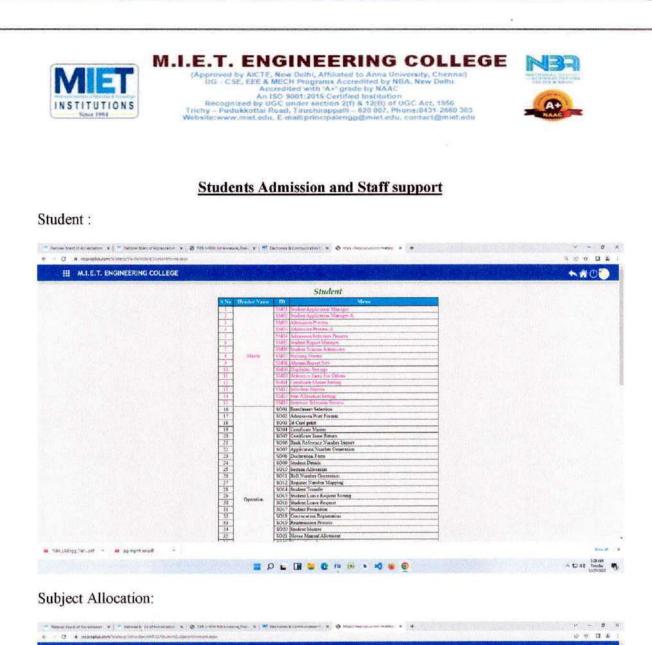


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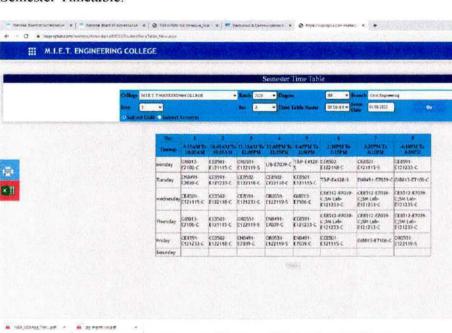
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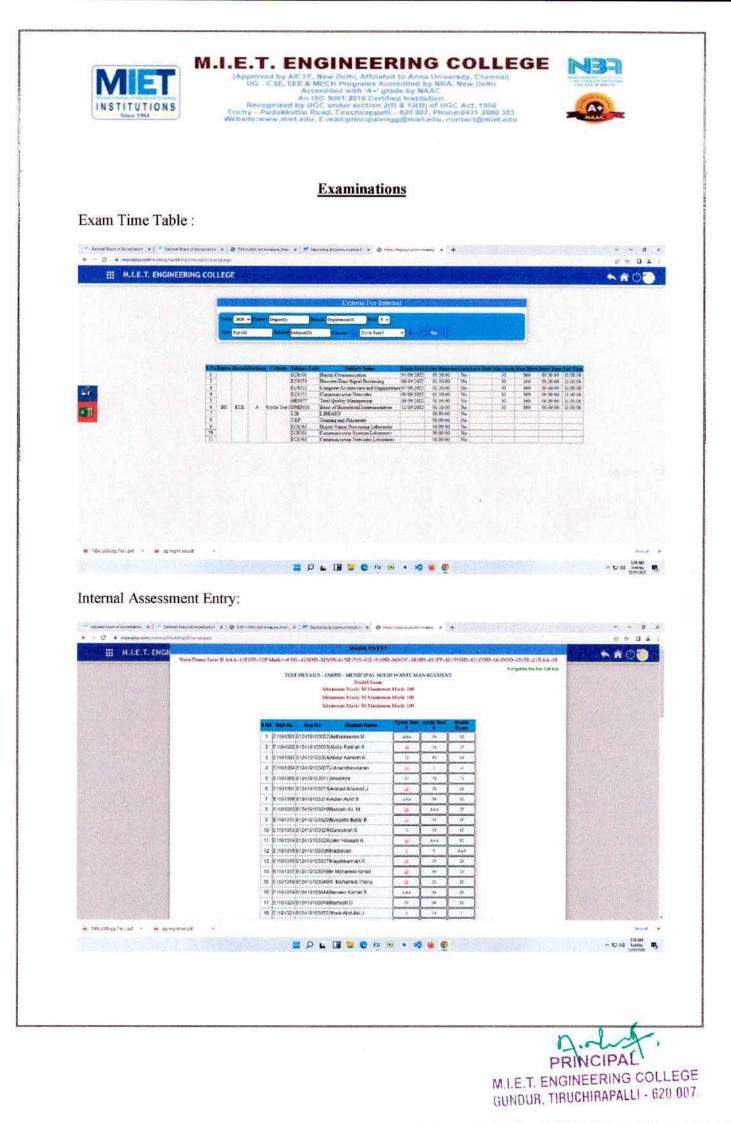
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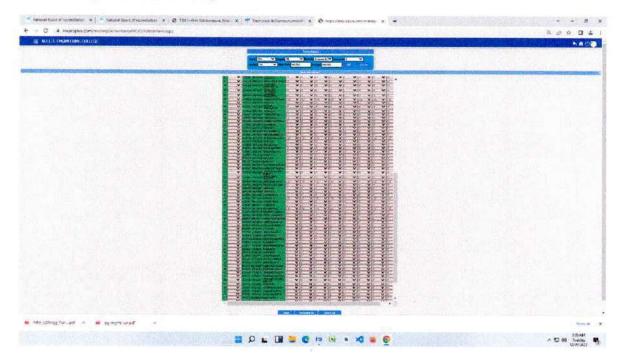


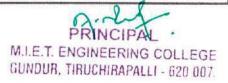


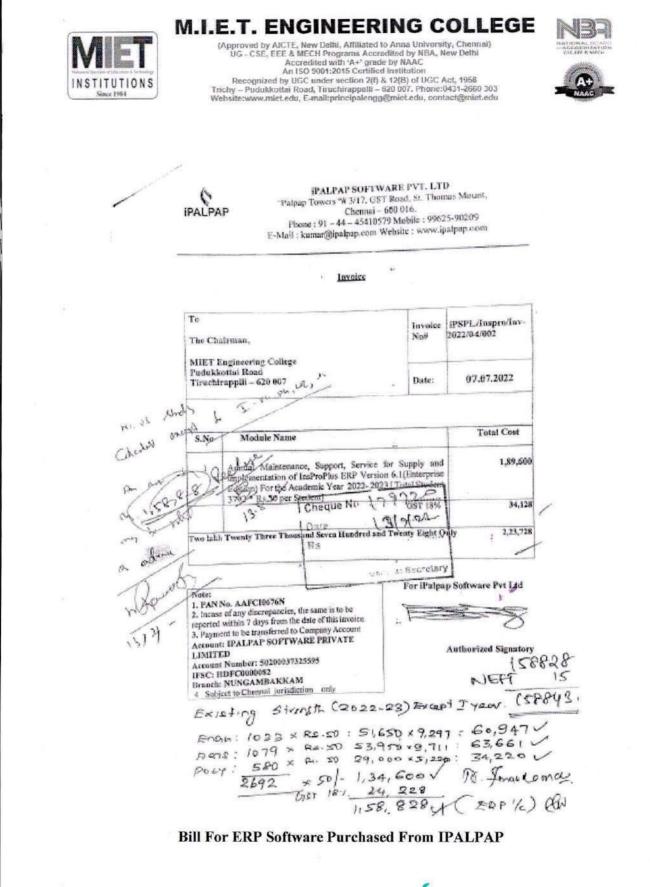
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Student Day Attendance Entry :









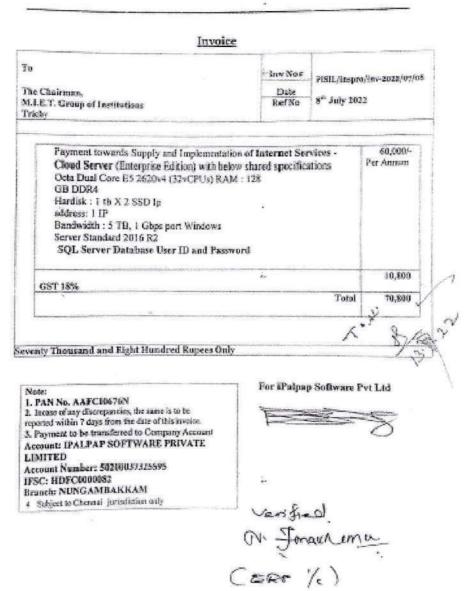
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Content Beyond the Laboratory Syllabus To create learning environments that are inclusive, diverse, and engage all types of learners, we provide the students with learning opportunities that extend beyond the laboratory syllabus. This is key to supporting and enhancing the learner experience and achieving positive educational outcomes for students.

By extending learning beyond the syllabus of a laboratory, our institution provides the platform and learning opportunities for students to empower themselves with practical knowledge.

Key Impact of beyond the laboratory syllabus

- Expand student's access to resources outside of the curriculum.
- It will be more engaging and provide meaningful and relevant real time experiential learning.
- It provides inclusive and individualized learning opportunities.
- Stimulate the students academically and creatively and help them to develop new skills.
- Equip students for immediate and future success in employment and participation in the rapidly changing workplace.





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Department of Electrical and Electronics Engineering

Sl.No	Laboratory Name	Additional Experiments Beyond the Syllabus
1.	GE8261 - ENGINEERING PRACTICES LABORATORY	 V-I Characteristics of Incandescent lamp Measurement of single phase power by using three ammeter method
2.	EE8261 - ELECTRIC CIRCUITS LABORATORY	 Verification of Millman"s theorem Determination of two – port network parameters
3.	EC8311 - ELECTRONICS LABORATORY	 Class b push –pull amplifier Characteristics of Thermistor
4.	EE8311 - ELECTRICAL MACHINES LABORATORY – I	 Testing an armature using growler Retardation test on dc shunt motor
5.	EE8411 - ELECTRICAL MACHINES LABORATORY – II	 Synchronizing an Alternator Measurement of negative sequence and zero sequence impedance Of an alternator
6.	EE8461 - LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	VIRTUAL LAB 1. Inverting Amplifier 2. Adder
7.	EE8511 - CONTROL AND INSTRUMENTATION LABORATORY	 Temperature control system using PID Level control system
8.	CS8383 - OBJECT ORIENTED PROGRAMMING LABORATORY	 Java Program to define a class, describe its constructor, overload the Constructors and instantiate its object. Write a Java program to find the maximum and minimum value of an array.
9.	EE8661 - POWER ELECTRONICS AND DRIVES LABORATORY	 Electronic phase converters MATLAB/SIMULINK model of Single Phase to Three Phase Variable Voltage Power Converter
10.	EE8681 - MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	 Introduction TO 8086 Microprocessor Write program using 8086 for copying 12 bytes of data from source to destination



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Sl.No	Laboratory Name	Additional Experiments Beyond the Syllabus
11.	EE8711-POWER SYSTEM SIMULATION LABORATORY	 Study of overload security analysis and obtain results for the given problem using MATLAB or any software Load Flow Analysis using Fast Decoupled (FD) Method
12.	EE8712 - RENEWABLE ENERGY SYSTEMS LABORATORY	 Production of Biogas using Biomass Waste Study of Bio-Diesel Reactor.

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Department of Mechanical Engineering

Sl.No	Laboratory Name	Additional Experiments Beyond the Syllabus
1.	GE8261 - ENGINEERING PRACTICES LABORATORY	 Conducting experiment on Knurling, Thread Cutting operations in Center Lathe machine. Conducting experiment on shaper machine.
2.	ME8361 MANUFACTURING TECHNOLOGY LABORATORY - I	 Machining Time estimation for Slotting operation in Slotter machine. Making of Dove Tail slot using Shaper.
3.	ME8381 - COMPUTER AIDED MACHINE DRAWING	 Drawing of Isometric projection of simple objects. Crank Shaft and Cam Shaft.
4.	ME8462 - MANUFACTURING TECHNOLOGY LABORATORY – II	 Demonstration of Capstan Lathe and it operations. Demonstration of Turret Lathe and it operations.
5.	CE8381 - STRENGTH OF MATERIALS AND FLUID MECHANICS AND MACHINERY	 Calculation of the rate of flow in flow through notches. Conducting and proving the Bernouli's Theorem.
6.	ME8511 - KINEMATICS AND DYNAMICS LABORATORY	 Experimental Estimation of the Moment of Inertia of a Connecting Rod by Means of the Pendulum Method. Detail demonstration and working principle of automobile differential mechanism and its parts.
7.	ME8512 - THERMAL ENGINEERING LABORATORY	 Determination of Viscosity of a given sample using Redwood's Viscometer. Conducting experiments and drawing the characteristic curves of a Blower.
8.	ME8513 - METROLOGY AND MEASUREMENTS LABORATORY	 Measurement of angles using sine centre Measurement of Displacement using LVDT





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SI.No	Laboratory Mallie	Additional Experiments Beyond the Syllabus
9.	ME8681 - CAD / CAM LABORATORY	 Assembly of Engine components. Assembly of Crane Hook.
10.	ME8711 - SIMULATION AND ANALYSIS LABORATORY	 Thermal Stress and Hear transfer analysis of a Liquid using ANSYS- Fluent.
11.	ME8781 - MECHATRONICS LABORATORY	 ADC and DAC Interface. Serial Communication using 8251.
12.	MF5111 - CAD / CAM LABORATORY	 Analysis of Geometric Tolerance and manufacturing variation on product designs using 3D Software. Modeling & simulation of hot forging / orthogonal machining / cold rolling operation / milling operation using a FEA package.
13.	MF5211 - AUTOMATION AND METAL FORMING LABORATORY	 One shot and regenerative pneumatic circuits. Sequencing of pneumatic circuits. To compare the ladder diagram for electrical and PLC control for the given sequence.

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Department of Computer Science and Engineering

Sl.No	Laboratory Name	Additional Experiments Beyond the Syllabus
1.	GE8161 – PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	 Convert the given number celsius to fahrenheit and vice versa. Check whether the given number is positive or negative. Find the factorial of a given number. Find the reverse of the given number. Check whether the given number is palindrome or not. Find the number of vowels in a string.
2.	CS8261 – C PROGRAMMING LABORATORY	 Finding string length without using <string.h>.</string.h> Print even or odd without using conditional statements. Addition of two numbers without using any operator.
3.	CS8381 – DATA STRUCTURES LABORATORY	 Implementation of doubly linked list. Rotate a linked list in counter clock wise.
4.	CS8383 – OBJECT ORIENTED PROGRAMMING LABORATORY	 Java Program to define a class, describe its constructor, overload the Constructors and instantiate its object. Write a Java program to find the maximum and minimum value of an array. Write a static method max () that takes three int arguments and returns the value of the largest one. Add an overloaded function that does the same thing with three double values. To write a program to perform arithmetic operations using static members.
5.	CS8382 – DIGITAL SYSTEMS LABORATORY	 Designing with D-Flip flops: Shift Register and Sequence Counter for digital communication. Designing with D-Flip flops: Shift



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SI.No	Laboratory Name	Additional Experiments Beyond the Syllabus
		Register and Sequence Counter.3. Simulation of ripple carry adder using HDL.
6.	CS8481 –DATABASE MANAGEMENT SYSTEMS LABORATORY	 Implementation Web query optimization. Study about Web mining application tools.
7.	CS8461 – OPERATING SYSTEMS LABORATORY	 Dead lock prevention algorithm for Multiple Resources. Page Replacement Algorithm (Optimal)
8.	EC8681 – MICROPROCESSORAND MICROCONTROLLER LABORATORY	 Demonstration of basic instructions with 8051 Micro controller execution, including: (i) Conditional jumps, looping (ii) Calling subroutines. Parallel Communication between Two Microprocessors using 8255. Data transfer from peripheral to memory through DMA controller 8237/8257. Branching operations and logical operations in a given data.
9.	CS8582 – OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY	 SUGGESTED DOMAINS FOR MINI- PROJECT: 1. Passport automation system. 2. Book bank 3. Exam registration 4. Stock maintenance system. 5. Online course reservation system 6. Airline/Railway reservation system 7. Software personnel management system 8. Credit card processing 9. e-book management system 10. Recruitment system 11. Foreign trading system



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SI.No	Laboratory Name	Additional Experiments Beyond the Syllabus
1		 12. Conference management system 13. BPO management system
		 14. Library management system 15. Student information system
10.	CS8581 - NETWORKS LABORATORY	 Write a C program to capture packets and filter using raw sockets. Cable crimping with RJ45 connector. Study of Campus Network.
11.	CS8661-INTERNET PROGRAMMING LABORATORY	 Implementation of Airline and Travel agent application using web services. Create a simple visual bean with an area filled with a color.
12.	CS8662 – MOBILE APPLICATION DEVELOPMENT LABORATORY	1. Android Application that creates Alarm Clock
13.	CS8711- CLOUD COMPUTING LABORATORY	 Find procedure to install storage controller and interact with it. Write a program to use the API's of Hadoop to interact with it.
14.	IT8761- SECURITY LABORATORY	 Perform Encryption and Decryption using functional encryption (FE) technique Study of failure of cryptography. (i) Cryptanalysis (ii) Attacks



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Department of Electronics and Communication Engineering

SI.No	Laboratory Name	Additional Experiments Beyond the Syllabus
ĺ.	EC8261- CIRCUIT AND DEVICES LABORATORY	1. Study of UJT characteristic
2.	EC836-ANALOG AND DIGITAL CIRCUITS LABORATORY	 Study of Op-Amp IC741. Application of Op-Amp
3.	EC8461- CIRCUITS DESIGN AND SIMULATION LABORATORY	 Design of Monostable multivibrator with emitter timing and base timing. Simulation using spice (Transistor) Astable multivibrator.
4.	EC8462- LINEAR INTEGRATED CIRCUITS LABORATORY	 AM Modulator and Demodulator FM Modulator and Demodulator
5.	EC8562 -DIGITAL SIGNAL PROCESSSING LABORATRY	 Design a Histogram Equalization Using Matlab Program Simulate the Modulation Technique
6.	EC8561 - COMMUNICATION SYSTEMS LABORATORY	 Analog and Digital Modulated Signal generators using COMM-SIM. Design and analysis of Frequency Multiplier circuit.
7.	EC8681- MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	 Introduction to KEIL μ vision Serial Transmission from PC to 8051uc
8.	EC8661-VLSI DESIGN LABORATORY	 Design and simulate of 5 bit multiplier in Xilinx software
9.	EC8761- ADVANCED COMMUNICATION LABORATORY	 Radiation pattern Measurement of Parabolic Reflector Antenna
10.	EC8711-EMBEDDED LABORATORY	 Interface a LED matrix and display a number on the matrix. Interrupt driven data transfer from ADC.





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		 Program to demonstrate Time delay program using built in Timer/Control. 								
11.	VL5111- VLSI DESIGN LABORATORY I	 Study of convolutional encoder designing in xilinx software 								
12.	VL5112- VLSI DESIGN LABORATORY II	1. Study of image processing in xilinx software								

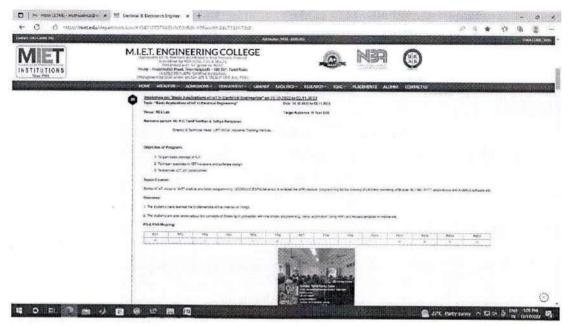
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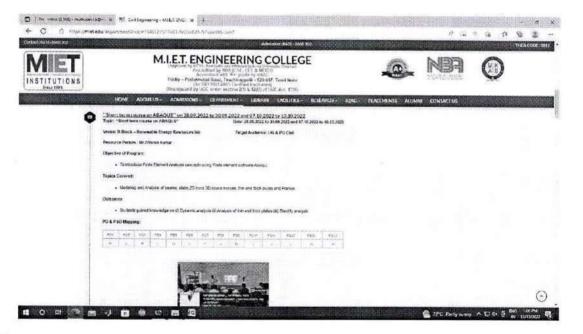


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Website Screen Shot of Skill Enhancement Training Program



Workshop on: "Basic Applications of IoT in Electrical Engineering" on 31.10.2022 to 2.11.2022



Short term course on ABAQUS'' on 28.09.2022 to 30.09.2022 and 07.10.2022 to 10.10.2022



One Day Workshop: ``Renovation - Techno Solution for Buildings`` on 17.08.2023

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Workshop on: "Embedded System and IoT" from 13.11.2024 to 15.11.2024

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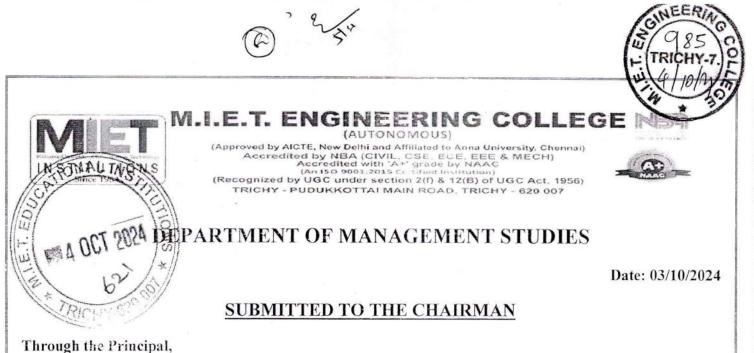
Two days Workshop on "Advanced Medical Instrumentation Sensory Devices to Life-Saving Devices" from 09.12.2024 to 10.12.2024



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Workshop on "Troubleshooting and Testing of Diagnostic and Therapeutic Equipment" on 25.11.2024

PRINCIPA M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.



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Respected sir,

Sub: Requesting for Budget approval to conduct Prentice Bazaar - Reg

We have planned to conduct a Prentice Bazaar / Entrepreneurship Meet in our MBA Department on 09.10.2024 (Wednesday) for One day in our MIET Engineering College. In which, we are planning to do some product sales and management games activities for all our Engineering, Arts and Polytechnic students.

The following are the details of estimated budget for approval,

S.No	Proposed Expenses	Amount in Rs.
1	Stage Decoration in C Block auditorium	2,000
2	Flex Banner (3 no's)	2,000
3	Reception and Hospitality	1,000
4	Press and Media (Travelling Expenses & Photo print)	1,000
5	Miscellaneous (Activity kit)	2,000
	Total Estimated Amount	8,000/-

(Rupees Eight thousand only)

Hence, we kindly request you to give approval for this budget of Rs. 8,000/- to conduct this Event in a grand manner.

HoD/ M

Dr. R. Antony Prakash

Principal

Chairman 8







DEPARTMENT OF MANAGEMENT STUDIES

Cordially invites you to the

PRENTICE BAZAAR'24

Date: 09.10.2024

Time: 10.00 am - 4.30 pm

Venue: 'C' Block Auditorium - Amphitheatre.

An Entrepreneurial Experience of MBA Students

Chief Guest Er. A. Mohamed Yunus Chairman, M.I.E.T. Engineering College, Trichy.

Guest of Honour Dr. A. Naveen Sait Principal, M.I.E.T. Engineering College, Trichy.

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Dr.R.Antony Prakash HoD/MBA









M.I.E.T. ENGINEERING COLLEGE NBR (AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai) Accredited by NBA (CIVIL, CSE, ECE, EEE & MECH) Accredited with 'A+' grade by NAAC (An ISO 9001:2015 Certified Institution) (Recognized by UGC under section 2(f) & 12(B) of UGC Act, 1956) TRICHY - PUDUKKOTTAI MAIN ROAD, TRICHY - 620 007



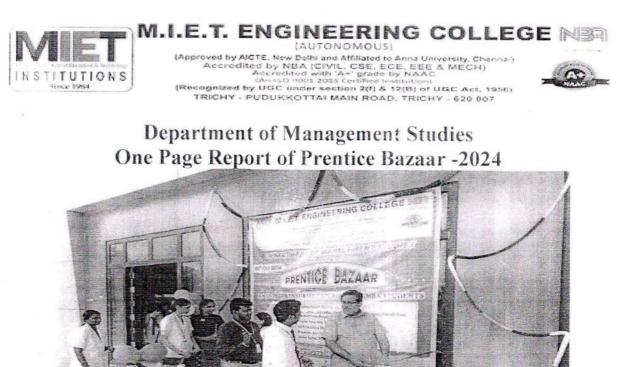
DEPARTMENT OF MANAGEMENT STUDIES PRENTICE BAZAAR

Roles and Responsibilities for Faculty Date: 09.10.2024

Signature Description **Coordinator** (staff) S.NO Proposal approval from the Principal Allocation of sharing responsibilities & Dr. R. Antony 1 duties of staff Prakash * Student participation in administering the Event Invitation Expenditure Details with copies of bill Mr.V. Pagalavan 2 Chief Guest/Resource person(s) Profile Agenda of the event Mrs. N. Anitha Raj 3 Event Schedule One page Report and Ms. R. Shantha Sheela 4 * News report Copy of Hall/Venue booking details of the event Mr.V. Pagalavan Objective of the function and Target 5 Audience details ✤ Geo-Tag Photos in event * Attendance Sheet * Feedback from Participants Ms. S. Srinisha 6 Feedback Report (Excel sheet with bar chart) Final approval with Budget from Dr. M. Ganeshan Chairman 7 Detailed report with geo-tagged photos Mr. A. Karthikeyan 8 * Discipline agalava.

T

Event Coordinator



GPS Map Camera Tiruchirappelli, Tamil Nadu, India 6/141, Tiruchirappelli, Kumaramangalam ., Tamil Nadu 620007, India Lat 10.730601° Long 78.707106° 09/10/24 11:08 AM GMT +05:30

S.No	Description	Comments			
1	Type of Event	Entrepreneurial Experience			
2	Title of the Event	Prentice Bazaar			
3	Date & Day of the Event	09-10-2024 (1 days)			
4	Venue	Auditorium -"C" Block			
5	Name of the resource person(s)	MBA Students			
6	Details of resource person(s)	MIET Chairman			
7	No. of participants	1000			
8	Event Co-Ordinator(s)	Mr. V. Pagalavan			
9	Objective(s) of the Event	To explore the marketing and entrepreneurship skills among the Students			
10	Topic(s) Covered	Experience about marketing and management activities			
11	Feedback given by participants	Students gain knowledge in Entrepreneurship and earn experience regarding marketing skills			
12	Abstract of faculty feedback	A very good exposure for marketing activities			
13	Feedback by HoD	The event was well organized by our MBA students			
14	Outcome(s) of this Event	Students gained knowledge on handling the customers and known to control their stress management.			
15	PO Mapping: PO1 PO2 PO3 PO4 PO5				

Н Н Н Н Н

L-Low, H-High, M-medium

V. Pagalavan

Event Coordinator

Q. Anty

m.l

HoD/MBA

Principal



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DEPARTMENT OF MANAGEMENT STUDIES

Date: 14.10.24

The Department of Management studies has organized one day Students' Bazaar in the name of Prentice Bazaar'24 on 09.10.2024 from 10am to 5.00pm at our MIET Engineering College Campus. Students from both I & II MBA participated and arranged stalls by their own and sold products and services. The major objectives of this programme are to develop entrepreneurial, marketing, production, purchase and financial management skills. Students of MBA alone were permitted to set-up stalls totally 21 stalls were setup by MBA students and each stall managed by 4 -5 students. In this Bazaar, they offered food court, Garments, cosmetics, Mind Games, Beverages, Stationary items, Flowers, Jute bag, etc.,

Through this one day Bazaar, Our MBA students gained the practical exposure about organizing a market place, management of stalls, procurement of raw material, and effective utilization of finance. This programme helped for branding our MBA department among students of M.I.E.T Institutions and MBA aspirants in Engineering departments. Around 1000 students and 100 Staff members from MIET Engineering, Polytechnic and Arts & Science, were visited and enjoyed shopping experience with their friends.

V. Pagelavan

Bazzar Co-ordinator



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ENGINEERING COLLEGE



Dr.A.Naveen Sait, M.E., Ph.D. Principal

Date: 08.10.2024

Press Report

Sir,

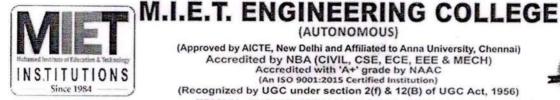
The Department of Management studies of M.I.E.T. Engineering College, Trichy, is organizing "**PRENTICE BAZAAR' 24"** - An Entrepreneurial Experience of MBA Students on 09.10.2024 at 10.00 am in C- Block Auditorium - Amphitheatre.

Er. A. Mohammed Yunus, Chairman of M.I.E.T. Engineering College will inaugurate the function. Dr.M.Y.Abdul Jaleel, Vice Chairman and Dr. A. Naveen Sait, Principal of M.I.E.T. Engineering College, will be the Guest of Honor. Aim of this program is to develop entrepreneurial, marketing, production, purchase and financial management skills for the students.

We kindly request you to publish this news in your esteemed Newspaper in Today's Engagement column on 09.10.2024.



PRINCIPAL VI.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.



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Dr.A.Naveen Sait, M.E., Ph.D. Principal

Date: 09.10.2024

Press Report

Sir.

The Department of Management studies of M.I.E.T. Engineering College (Autonomous) - Trichy was organized the "PRENTICE BAZAAR - 2024" - An Entrepreneurial Experience of MBA Students on 09.10.2024 at 10.00 am.

The function was inaugurated and first sale was presided over by the Chairman, Er. A. Mohammed Yunus, M.I.E.T. Group of Institution. Vice Chairman, Dr.M.Y.Abdul Jalil, and Principal, Dr. Naveen Sait from M.I.E.T. Engineering College (Autonomous) was the Guest of Honour. From this event MBA students got the real time experience of the Marketing and Financial Management skills.

We kindly request you to publish this news in your esteemed Newspaper on 10.10.2024.



M.I.E.T. ENGINEERING COLLEGE N (AUTONOMOUS) TE, New Delhi and Affiliated to Anna Unive d by NBA (CIVIL, CSE, ECE, EEE & locaredited with 'A+' grade by NAAC (An ISO 9051:2015 Certified Institution) UGC under section 2(f) & 12(B) of UC Chennai) of UGC Act, 1956) TRICHY - PUDUKKOTTAI MAIN ROAD, TRICHY - 620 007



DEPARTMENT OF MANAGEMENT STUDIES

Date: 04.11.2024

Advance Settlement

Respected sir,

Submission of budget settlement for MBA Prentice Bazaar -reg

We successfully organized the Prentice Bazaar Programme by our MBA Department on 09.10.2024 (Wednesday) for One day in our MIET Engineering College.

The following are the details of expenditures,

S.No	Particulars	Amount in Rs.
1	Stage Decoration in C Block auditorium- (250+160+21+50)	481
2	Mike purchased for Activity	500
3	Travelling allowance for Purchase of S. No 1&2 -(128 +100)	228
4	Press (Travelling allowance + Photos Print)- (148 +120)	268
5	Flex Transport & paste- (100 + 150)	250
6	AP Panthal & 28 – Stall Tables	3700
	Cash Expenditure	5427
7	4 Flex Banner- Cheque Expenditure	2560
	Total Expenditure=	7,987

Total Amount Received : Rs. 8000 Total Expenditure (Cash+ Cheque): Rs.7987

Balance to be returned in office

: (13 + 2560) = 2573/-

V. Pagalavan Program Coordinator

(Mr.V.Pagalavan)

(Dr. R. Antony Prakash)



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EUTONOMOUS



DEPARTMENT OF MANAGEMENT STUDIES

Proof of News Publication of Prentice Bazaar -2024

நவராத்திரி விழா: காஞ்சி சங்கரம டம் தருவானைக்காவல், காலை 7 மலிட கோ புஜை. குரு வந்தனம், பாலை 6 மணி- கர்நாடக இசை.

*** மாரியம்மன் கோயில், சமய பும், மாலை 5 மணி– சரஸ்வதி அலங்காரம், நடன நிகழ்ச்சி, மாலை 30 மணி- நடன நிகழ்ச்சி.

*** ஜம்புகேஸ்வரர் அகிலாண் டலவரி கோயில், திருவானைக்காவல், ளலை 5 மணி, சரஸ்வதி அலங்காரம்.

*** தாயுமானசுவாமி கோயில், லைக்கோட்டை, தருச்சி, மாலை 5

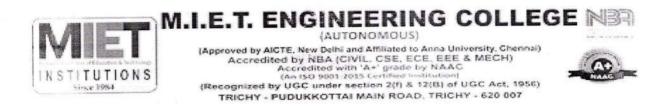
திருச்சி, காலை 11.30 மண்.

மரக்கன்று நடும் விழா: பூனாம்பா ளையம், மண்ணச்சநல்லூர், மதியம் 2.30 மணி. ஏற்பாடு: ஜமால் முகமது கல்லுாரி.

உலக பார்வை தினம் விழிப்புணர்வு வாக்கத்தான்: ஜோசப் கண் மருத்து வமனை, திருச்சி, காலை 9 மணி.

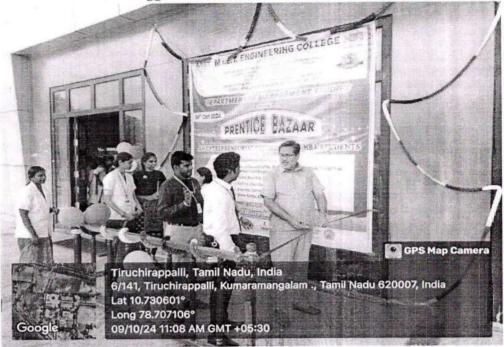
ப்ரெண்டிஸ் பஜார் 24: எம்ஐஇடி இன்றினியரிங் கல்லுாரி, தருச்சி, காலை 9 மணி.

மேகதுாதம் சொற்பொழிவு: தமிழ்ச் சங்கம், திருச்சி, மாலை 6.30 மணி



DEPARTMENT OF MANAGEMENT STUDIES

Geo-tagged Photos of Prentice Bazaar -2024







.E.T. ENGINEERING COLLEGE

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Ph: 0431 - 2660 303

Outcome of DoTS

- Enabled our students to learn more about the working environment and recent technologies. To enrich the knowledge about the ongoing projects in Industries.
- The students able to do qualitative analysis and uniqueness approaches in their final year project and made various project proposals to Tamil Nadu State Council for Science and Technology (TNSCST)





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Ph: 0431 - 2660 303

Sample Best Projects

PR 1PA M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.



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DEPARTMENT OF CIVIL ENGINEERING

RELEVANCE TO PO's & PSO's :

ADVANCING COASTAL RESILIENCE: EXPLORING DIVERSE GROYNE TRUCTURES WITH RECYCLED

Project Title:

ATERIALS AND GEOTEXTILES IN DHANUSHKODI USING PLAXIS 2D

AKILAN A BEER MOHAMMED J	81242 81242 81242	FHA, 20103011 0103305 0103309 0103013	
ABSTRACT		PO's Mapping	PSO's Mapping
This study explores the and optimization of groyne structu protect the coastline of Dhanu Through a comprehensive analy various models, incorp considerations of efficiency sustainability, an optimal configura determined. Utilizing concrete dem waste and waste steel slag in construction, the stability of these str is rigorously assessed, culminating identification of the most effective ma Key findings reveal the influence of groyne geometry on st emphasizing the importance of wid depth in minimizing displace	rres to shkodi sis o orating and tion i olished groynd ucture in the odel. critica ability	PO1, PO2, PO3, PO7	PSO2.

depth in minimizing displacement Additionally, the impact of the water table on structural stiffness and displacement i examined, highlighting the need for carefu consideration in design.

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex				
	engineering problems.				
 Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences 					
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.				
PO7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				
PSO2	Competency in professional areas by way of research-based knowledge, modern Civil Engineering tools and lifelong self-learning ability.				

PO1	Engineering Knowledge	PO2	Problem Analysis	PO3	Design & Development of Solution
PO4	Investigations	PO5	Modem Tools	PO6	The Engineer & Society.
PO7	Environment & Sustainability	PO8	Ethics	PO9	Individual & Team work
PO10	Communi- cation	PO11	Project Management & Finance.	PO12	Life-long Learning
PSO1	Competency	PS02	Professional Skills		



CONCLUSION

This study investigates optimal grovne designs to protect Dhanushkodi's coastline, incorporating concrete demolished waste and steel slag. Four models are analysed, with the most stable configuration using coarse aggregate in the armour layer and a core layer of coarse aggregate and sand, achieving a factor of safety of 1.5. A similar model with demolished waste and steel slag in the core layer achieves a factor of safety of 1.4. Key findings suggest that groyne geometry, water table levels, and displacement are crucial to stability. Further research could lead to innovative designs focusing on water table control and reinforcement at the groyne toe.





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ENGINEERING COLLEGE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DELEVANCE TO DO'S & DSO'S

Project Title:Book Repository Administration System

Guide Name: Mrs. K. Dasarathi Shohi M.E., Students Name:

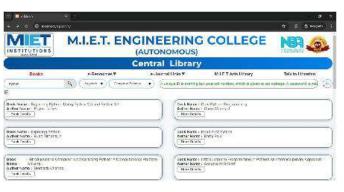
ABDUL RAHMAN. M	812420104005
KARTHIKEYAN. J	812420104038
MOHAMED RAFEEK. M	812420104056
MURALI. R	812420104065

ABSTRACT	PO's Mapping	PSO's Mapping
The "Book Repository Administration System" presents an innovative approach to streamline library management processes through a user-friendly web application. This project aims to provide students and staff with a convenient platform to efficiently navigate the library's resources. Through the system, users can seamlessly search for books, checking their availability within the library's inventory. Additionally, students/staff can access detailed information about issued books, including their respective issue and return dates, upon logging into their personalized accounts.	PO1,PO2, PO3,PO4, PO5,PO6, PO9,PO10, PO11	PSO1.

	Designed to facilitate the efficient organization,						
PO1 administration, and retrieval of resources wi							
	a library or educational institution.						
	Systematic classification, simplifying the process						
PO2	of resource identification and location for library						
	users.						
	A document repository serves as a						
PO3	centralized storage point for all you						
103	organization's critical and day-to-day						
	content.						
	The automation of activities like book and						
DO5	catalog management, easy book return, and						
P05	hassle-free book search saves time for librarians						
	students, and other users.						
	Helps the organization to save time, and increase						
PO11	efficiency, also it is cost-effective and easy to						
	implement in the organization.						
PSO1 fostering community engagement, promo							
	literacy, and supporting lifelong learning.						

	Engineering		Problem		Design & Developmen
PO1	Knowledge	PO2	Analysis	PO3	t of Solution
PO4	Investigations	PO5	Modem Tools	PO6	The Engineer & Society.
PO7	Environment & Sustainability	PO8	Ethics	PO9	Individual & Team work

PO10	Communi -cation	PO11	Project Management & Finance.	PO12	Life-long Learning
PSO1	Competency	PS02	Professional Skills		



CONCLUSION

In conclusion, the proposed system is a useful tool to predict crime hotspots and provide recommendations to women for safer routes. The system employs the explainable Decision Tree (xDT) algorithm for crime hotspot prediction and integrates Google Maps API for visualization and location-based recommendations.





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

these locations using Maps.

Project Title:Femmesafe-Guradian Beacon for **Felony Finder**

Guide Name: Mrs.Rashitha banu.S

Students Name:

E.ARUNKUMAR A.HAJEE ALI H.A.JAVID AKBAR **J.MOHAMED RAZICK**

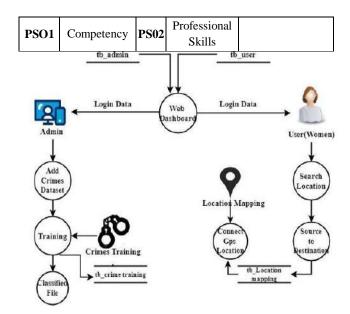
812420104015 812420104031 812420104035 812420104057

ABSTRACT	PO's Mapping	PSO's Mapping
Crime hotspot is a geographic area or location that experiences a higher rate of criminal activity compared to other areas within the same region. These hotspots where women are more likely to experience criminal activities such as sexual harassment, assault, domestic violence, stalking, and human trafficking. It enables law enforcement agencies to focus their resources on the areas with the highest crime rates and develop targeted interventions that address the underlying causes of criminal activity. Crime hot spot prediction is an important problem in public safety, and machine learning algorithms such as Deep Explainable Decision Tree is a predictive model designed to identify crime hotspots against women and provide a map of	PO1,PO2, PO3,PO4, PO5,PO6, PO9,PO10, PO11	PSO1.

RELEVANCE TO PO's & PSO's: PO1 To focus on women centric needs. To promote confidence & independence through **PO2** innovative tools. To provide tools to enchance physical and PO₃ emotional safety. To improve health outcomes with targeted **PO5** wellness products. To focus on preventive care and holistic PO11 approaches.

To use modern technologies to improve PSO1 women's daily life.

					Design &
	Engineering		Problem		Developmen
PO1	Knowledge	PO2	Analysis	PO3	t
					of Solution
			Modem		The
PO4	Investigations	PO5	Tools	PO6	Engineer
			10015		& Society.
	Environment &				Individual &
PO7	Sustainability	PO8	Ethics	PO9	Team work
			Project		Life-long
PO10	Communi	PO11	Management	PO12	υ
1010	-cation	1011	& Finance.	1012	Learning



CONCLUSION

In conclusion, the proposed system is a useful tool to predict crime hotspots and provide recommendations to women for safer routes. The system employs the explainable Decision Tree (xDT) algorithm for crime hotspot prediction and integrates Google Maps API for visualization and location-based recommendations.





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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Project Title:WIRELESSCHARGINGSYSTEMFORELECTRICVEHICLESPOWERED BYSOLAR PANELEND

Guide Name: P.DELPHINEMARY, M.E.,

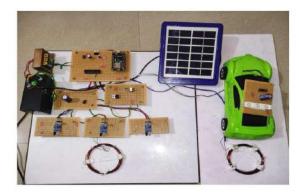
Students Name MINNALEPATHI.G SANTHAKUMAR.P SIDDHARTH.C.A YOGARAJA.T

812420106012 812420106016 812420106017 812420106023

ABSTRACT	PO's	PSO's
ADSTRACT	Mapping	Mapping
Electric vehicles are todays		
zero emission vehicular		
technology which is		
considered as the future of		
automotive industry. The		
batteries of the vehicles get		
charged in order to drive the		
vehicle. The methodology of	PO1, PO2,	
charging the electric vehicle	PO3, PO5 PO6	PSO1.
currently is through plug-in	PO11.	
method where the charging		
station charges the battery of		
an electric vehicle. However,		
an alternative method for		
charging the battery of an		
electric vehicle is through		
Wireless Power Transfer		

where	it can be as a Static or					
Dynamic charging systems.						
Static	Charging System can					
be im	plemented to charge					
the ba	tteries of the electric					
vehicle	s when the vehicle is					
parked	in static mode.					
RELE	VANCE TO PO's & PSO's:					
PO1	To reduce the size and cost of the system.					
PO2	To ensure safety and make it compact.					
PO3	To provide higher efficiency.					
PO5	To reduce losses.					
PO6	To make more utilization by reducing the					
PUo	size and cost.					
PO11	To make more affordable and easy access.					
PSO1	To save the Electric charge.					
	·					

PO1	Engineering Knowledge	PO2	Problem Analysis	PO3	Design & Development of Solution
PO4	Investigations	PO5	Modem Tools	PO6	The Engineer & Society.
PO7	Environment & Sustainability	PO8	Ethics	PO9	Individual & Team work
PO10	Communi -cation	PO11	Project Management & Finance.	PO12	Life-long Learning
PSO1	Competency	PS02	Professional Skills		



Proposed System CONCLUSION

Electric cars (EVs) are essential in the present when the environment has worsened so significantly. The government of plans to completely phase out diesel cars by the year 2030. Because waiting for an electric vehicle to charge is the biggest drawback to EV adoption, dynamic charging technology and charging stations are essential to the widespread acceptance of EVs. A renewable energy system is at the heart of the "solar-based wireless EV charging" initiative. This saved power is used to refuel EVs.





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ProjectTitle:FUZZYLOGICCONTROLLED BOOST INVERTER WITHSTATCOMTOIMPROVEPOWERQUALITY IN GRID

Guide	Name:
M.E. ,(Ph.D).,

e: Mr. D.JAYARAJ,

Students Name D.MOHAMMED ISMAIL S.MOHAMED IRFAN SIDDHARTH.C.A

K.SIVASANKAR

812420105010 812420105321 812420105327 812420105338

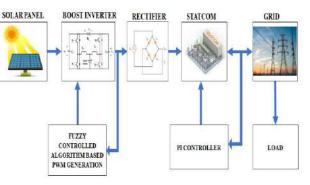
ABSTRACT	PO's	PSO's
ADSIRACI	Mapping	Mapping
ABSTRACT Our Project proposes a novel approach by combining a Boost Inverter with a Static Synchronous Compensator (STATCOM) employing Fuzzy Logic Control (FLC) for applications in unbalanced grid scenarios.The Boost Inverter is known for its ability to	Mapping PO1, PO2, PO3, PO5, PO6, PO11.	
convert AC output from a		
DC source. In the presence		
of grid voltage imbalances,		
the performance of such		

inverters	can	be			
compromised.					
this issue, a S	STAT	COM is			
integrated into the system to					
mitigate voltag	e sags	, swells,			
and unbalance					

RELEVANCE TO PO's & PSO's:

PO1	To reduce the voltage imbalance.
PO2	To ensure safety and make it compact.
PO3	To provide power quality.
PO5	To reduce power issues.
PO6	To make more voltage boosting capabilities
PO11	To make more affordable and easy access.
PSO1	To provide fast power consumption.

PO1	Engineering Knowledge	PO2	Problem Analysis	PO3	Design & Development of Solution
PO4	Investigations	PO5	Modem Tools	PO6	The Engineer & Society.
PO7	Environment & Sustainability	PO8	Ethics	PO9	Individual & Team work
PO10	Communi -cation	PO11	Project Management & Finance.	PO12	Life-long Learning
PSO1	Competency	PS02	Professional Skills		



Proposed System

CONCLUSION

The integration of a Fuzzy Logic Controlled Boost Inverter with STATCOM presents a promising approach to enhance power quality in electrical grids. The Boost Inverter, controlled by the FLC, offers efficient power conversion and voltage boosting capabilities. Additionally, the STATCOM provides fast and precise reactive power compensation, further enhancing voltage stability in the grid.

MILE T. ENGINEERING COLLEGE



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TRICHY - PUDUKKOTTAI MAIN ROAD, TRICHY - 620 007



DEPARTMENT OF MECHANICAL ENGINEERING

Project Title: DESIGN AND 3D PRINTED MODEL OF WIND TURBINE BLADE FOR DOMESTIC APPLICATION

Guide Name: Dr. K. PANNEER SELVAM, M.E., Ph.D.

Students Name

AMJATH HUSSAIN. N.S 812420114006 MOHAMED HASSAN DHANVEER. Y

THOUFIQ UMAR. S YUVAPRASATH. B 812420114019 812420114031 812420114034

ABSTRACT	PO's Mapping	PSO's Mapping
The project aims to develop and optimize wind turbine blades specifically developed for generating 1KW of power in residential environments. This project aims to address the challenges in small-scale wind energy generation. Modeling of Wind Turbine Blade employs Autodesk inventor24 software tools to refine aerodynamic profiles while Computational Fluid Dynamics (CFD) Analysis was done using ANSYS workbench-R20 and enhances the aerodynamic	PO1,PO3, PO5,PO7	PSO1

performance varied conditions.	under	

RELEVANCE TO PO's & PSO's:

PO1	To improve the mechanical properties.
PO3	To develop small scale wind energy
105	generation.
PO5	Aerodynamic performance analysis was
r05	done ANSYS workbench-R20.
PO7	To meet goals of sustainable
r0/	development.
	The Computational Fluid Dynamics
PSO1	(CFD) Analysis was done using ANSYS
	workbench-R20.

PO1	Engineering Knowledge	PO2	Problem Analysis	PO3	Design & Development of Solution
PO4	Investigations	PO5	Modem Tools	PO6	The Engineer & Society.
PO7	Environment & Sustainability	PO8	Ethics	PO9	Individual & Team work
PO10	Communicati on	PO11	Project Management & Finance.	PO12	Life-long Learning
PSO1	Competency.	PS02	Professional Skills		

CONCLUSION

The scale model of wind turbine blade has been designed, analysed and fabricated for 1KW energy production. Initially, various material has been analysed and Polyethylene Terephthalate Glycol (PETG) material is selected due to its mechanical properties. The mechanical properties of PETG material is measured through experimental work for the proportion of PETG 60 wt. % + CF 40 wt. %. The young's modulus, Tensile strength and Bending stress are measured as 2.3 GPa, 10.5 MPa and 60.2 MPa respectively. The drag force 48.75 N and lift force 1126.354 N are obtained by the CFD analysis. The CFD values are compared with theoretical results. After confirming the results with the previous literatures .the wind turbine blade has been fabricated using 3D printed technology.







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DEPARTMENT OF MECHANICAL ENGINEERING

Project Title: EXPERIMENTAL INVESTIGATION OF ALKALINE BASED OXYHYDROGEN PRODUCTION

Guide Name: Mr. R.MANICKAM, M.E., (Ph.D) Students Name PUGAZHENTHI.M 812420114024 VIJAY.K 812420114033 ARUN.S 812420114308 BALAJI 812420114503

ABSTRACT	PO's Mapping	PSO's Mapping
Water electrolysis is the most promising method to produce a Hydrogen- Oxygen (HHO) mixture. However the less energy consumption is aimed to maximize the HHO production. The aim of the research is to produce the maximum gas flow rate from wet cell by modified design configurations. It is also aimed to study the effects of different parameters such as electrolyte type (NaOH and KOH), electronic concentration, electrode spacing, electrolyte	PO1,PO2, PO6,PO7	PSO1

temperatu	e,	applied	
current	voltage	and	
operating	time	to	
maximize	the gas	yield in	
wet cell.		-	

RELEVANCE TO PO's & PSO's:

PO1	To apply the knowledge of complex problems.	
PO2	To find alternative fuels for replacing fossil fuels.	
PO6	To produce the maximum gas flow rate from wet cell by modified design configurations.	
PO7	To reduce the use of fossil fuel.	
PSO1	To develop the alternative fuels.	

PO1	Engineering Knowledge	PO2	Problem Analysis	PO3	Design & Development of Solution
PO4	Investigations	PO5	Modem Tools	PO6	The Engineer & Society.
PO7	Environment & Sustainability	PO8	Ethics	PO9	Individual & Team work
PO10	Communicati on	PO11	Project Management & Finance.	PO12	Life-long Learning
PSO1	Competency.	PS02	Professional Skills		



CONCLUSION

The wet cell electrolyzer operates by passing an electric current through water, causing the water molecules to split into hydrogen and oxygen gases through a process known as electrolysis. This technology offers several advantages, including high efficiency, scalability, and the ability to utilize a wide range of water sources.

Overall, the wet cell electrolyzer technology shows great potential in the production of hydrogen as a clean and sustainable energy source. With further advancements and continued research, it has the capacity to contribute significantly to the transition towards a low-carbon and renewable energy future.









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Trichy - Pudukkottai Main Road, Tiruchirappalli - 620 007, Tamil Nadu



CERTIFICATE OF MERIT

This is to certify that Selvan./Selvi. R. MURALT

Roll No. E120 5065 of IV year from the department of CSE

is appreciated with the best project award for his/her outstanding best project during

the academic year 2023 - 2024.



CHAIRMAN







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Trichy - Pudukkottai Main Road, Tiruchirappalli - 620 007, Tamil Nadu



CERTIFICATE OF MERIT

This is to certify that Selvan./Selvi. A. MUHAMMAD ASLAM

Roll No. E1201011 of IV year from the department of CIVIL

is appreciated with the best project award for his/ber outstanding best project during

the academic year 2023 - 2024.

PRINCIPAL

IRMAN

CHAIRMAN







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Trichy - Pudukkottai Main Road, Tiruchirappalli - 620 007, Tamil Nadu



CERTIFICATE OF MERIT

This is to certify that Selvan./Selvi. S. MOHAMED TREAN

Roll No 522.13042 of IV year from the department of FFF

is appreciated with the best project award for his/ber outstanding best project during

the academic year 2023 - 2024.

AIRMAN

CHAIRMAN





Dav



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Trichy - Pudukkottai Main Road, Tiruchirappalli - 620 007, Tamil Nadu



This is to certify that Selvan./Selvi. S. MOHANED IRFAN

Roll No. <u>F2213042</u> of <u>v</u>year from the department of <u>FFF</u>

is appreciated with the best library user award for the effective utilization of the

learning resources in M.I.E.T. Engineering College Central Library during the academic

year 2023 - 2024.

VICE CHAIRMAN

CHAIRMAN



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University. Chennai) UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi. (An ISO 9001:2015 Certified Institution) TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007. Email: principalengg@miet.edu, contact@miet.edu Website: - www.miet.edu



Ph: 0431 - 2660 303

TNSCST Projects

PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.



M.I.E.T. ENGINEERING COLLEGE

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LIST OF THE TNSCST PROJECT REPORT FOR THE ACADEMIC YEAR

S.No	TITLE OF THE PROJECT	DEPARTMENT	NAME OF THE GUIDE
1.	Intelligent Farming System Using Internet of Things (IOT)	ECE	MsN.Priscilla Vilma Manorathi Assistant professor
2.	Intelligent Eye – Controlled Wheelchair for Quadriplegia Patients Using Internet of things (IOT)	ECE	Dr.A.Suresh Kumar Professor
3.	Real – Time Traffic Violation Detection Using Deep Learning Approach	ECE	Ms.P.Delphine Mary Assistant Professor
4.	Smart Gardening System Using IOT and AI	ECE	Mrs.V.Keerthana Assistant Professor
5.	Bio Energy Pacemakers : Harmessing Body Power for Lifelong Cardiac Care	ECE	Ms.P.Delphine Mary Assistant Professor
6.	Optimized Landslide Detection & Alert System Using IOT	ECE	Mrs.B.T.Kirthika Assistant Professor
7.	Miniaturized Mems Based Cochlear Implant For Hearing Defects	ECE	Dr.S.Archana Assistant Professor
8.	Design and Fabrication of Harmonic Verticle Axis Wind Turbine With Solar Panel For Electric Vehicle Mobile Rechargeable Station And Street Light	MECHANICAL	Dr.K.Paneer Selvam Associate Professor

<u>2023 - 2024</u>

PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



Intelligent Farming System Using Internet of Things (IOT)

SUBMITTED BY

K.S. Mohamed Kaja Bhasith E. Jayakumar R. Vimal N. Naveen Kumar

UNDER THE GUIDANCE OF

Ms.N.Priscilla Vilma Manorathi ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T. ENGINEERING COLLEGE TRICHY – PUDUKKOTTAI ROAD, GUNDUR TIRUCHIRAPPALLI, TAMIL NADU – 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title : Intelligent Farming System Using Internet of Things (IOT) Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	Mohamed Kaja Bhasith K.S.	7708819825	ksmohamedkajabhasith @gmail.com
2.	Jayakumar E	7904054716	jayakumar74040@gmail.com
3.	Vimal R	9360696374	grajangamvimal144555@g mail.com
4.	NAVEEN KUMAR N	7695972788	naveenkumar812004@gma il.com

Name of the Guide Designation

Department (Full Form)

Mobile Number Email

Name of the Institution with Address

Has a similar project been carried out in your Institution / elsewhere? Course Studying Project Details : N.PRISCILLA VILMA MANORATHI : ASSISTANT PROFESSOR : ELECTRONICS AND COMMUNICATION ENGINEERING : 9384344211 : priscillavilma1@gmail.com : MIET Engineering College, Trichy - Pudukkottai Road, Trichy 620007

: UG Engineering

: Attached

Declaration

: No

This is to certify that above mentioned students in table are bonafide **final year** students of P.G. Science / U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of May 2025.

N. Piùne Signature of the Guide

Signature of HoD

Signature of the Krincipal/Registrar/ Dean (with seal)

PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

FRING COLLEGE M.I.E.T. ENGINE GUNDUR, TIRUCHIRAPPALLI-620 007.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



INTELLIGENT EYE-CONTROLLED WHEELCHAIR FOR QUADRIPLEGIA PATIENTS USING INTERNET OF THINGS (IOT)

SUBMITTED BY

S.Ahamed Yaseen S.Mohamed Amjath S.Ameen Mohideen S.Sujith Munna

UNDER THE GUIDANCE OF

Dr.A. SURESH KUMAR PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T. ENGINEERING COLLEGE TRICHY – PUDUKKOTTAI ROAD, GUNDUR TIRUCHIRAPPALLI, TAMIL NADU – 620 007.

> PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.

Application No.: EEE- 2107

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title : INTELLIGENT EYE-CONTROLLED WHEELCHAIR FOR QUADRIPLEGIA PATIENTS USING INTERNET OF THINGS (IOT)

Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	AHAMED YASEEN S	8838422927	sahamedyaseem66@gm ail.com
2.	MOHAMED AMJATH S	7708585240	mdamjath177@gmail.com
3.	SUJITH MUNNA S	9787600136	sujithmunnasiva@gmail.co m
4.	AMEEN MOHIDEEN S	9488631324	ameenmohideen53@gmail. com

Name of the Guide	: Dr.A.Suresh Kumar
Designation	: Professor
Department (Full Form)	: Electronics and Communication Engineering
Mobile Number	: 9865248904
Email	: dr.sureshkumar@miet.edu
Name of the Institution with Address	: MIET Engineering College, Trichy - Pudukkottai
Name of the institution with Address	Road, Trichy 620007
Has a similar project been carried out in	: No
your Institution / elsewhere?	
Course Studying	: UG Engineering
Project Details	: Attached

Declaration

This is to certify that above mentioned students in table are bonafide **final year** students of P.G. Science / U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of May 2025.

nature of the Guide

Signature of HoD

Signature of the Rrincipal/Registrar/ Dean (with seal) PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

M.I.E.T. ENGINEERING COLLEGE

GUNDUR, TIRUCHIRAPPALLI-620 007.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



Real-Time Traffic Violation Detection Using Deep Learning Approach

SUBMITTED BY

M.Alageswari G.Maheshwari R.Manjari

UNDER THE GUIDANCE OF

Ms.P.Delphine Mary ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T. ENGINEERING COLLEGE TRICHY – PUDUKKOTTAI ROAD, GUNDUR TIRUCHIRAPPALLI, TAMIL NADU – 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.

Application No. : EEE- 3203

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title Real-Time Traffic Violation Detection Using Deep Learning Approach 5 Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	Algeswari M	9360849040	alageswarimarimuthu@g mail.com
2.	Maheswari G	9751819234	maheswari14042003@gma com
3.	Manjari R	6384886276	Priyagomathi1976@gmail.c om

Name of the Guide	: Ms.P.Delphine mary
Designation	: Assistant professor
Department (Full Form)	: Electronics and communication engineering
Mobile Number	: 8248007233
Email	: delphine@miet.edu
Name of the Institution with Address	: MIET Engineering College, Trichy - Pudukkottai
internet and institution with Address	Road, Trichy 620007
Has a similar project been carried out in your Institution / elsewhere?	: No
Course Studying	: UG Engineering
Project Details	: Attached

Declaration

This is to certify that above mentioned students in table are bonafide final year students of P.G. Science U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two copies / utilization certificate and final report along with seminar paper will be sent to the Council after completic of the project by the end of May 2025.

Signature of the Guide P. DELDHINE MAM

Signature of HoD

Signature of the Rrincipal/Registrar/ Dean

(with seal) PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007





AMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



SMART GARDENING SYSTEM USING IOT AND AI

SUBMITTED BY Mohamed Vasim Hussain K Dalvin Gnana Raja.D Shaik Bareeth .M Aadithiya .K

UNDER THE GUIDANCE OF

Mrs.Keerthana V ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T.ENGINEERING COLLEGE TRICHY- PUDUKKOTTAI ROAD, GUNDUR TIRUCHIRAPPALLI, TAMILNADU-620007.

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Application No. : EEE- 3071

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title : Smart Gardening System using IOT and AI

Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	Mohamed vasim hussian K	9345816526	Vasimfayas827@gmail.c om
2.	Dalvin gnana raja D	8695755679	dalvin1462@gmail.com
3.	Shaik bareeth M	9994326892	fareedsheik180@gmail.co m
4.	Aadithiya K	9994274946	aadhiaadhithiya12@gmail.c om

Name of the Guide	: Keerthana V	
Designation	: Assistant professor	
Department (Full Form)	: Electronics and communication : 9790195996	
Mobile Number		
Email	: keerthana.v@miet.edu	
Name of the Institution with Address	: MIET Engineering College, Trichy - Pudukkottai Road, Trichy 620007	
Has a similar project been carried out in your Institution / elsewhere?	: No	
Course Studying	: UG Engineering	
Project Details	: Attached	
De	claration	

This is to certify that above mentioned students in table are bonafide final year students of P.G. Science / U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of May 2025.

NA/AMECE) Signature of HoD Signature of the Guide

Signature of the Principal/Registrar/ Dean (with seal) PRINCIPAL

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



Bio Energy Pacemakers: Harnessing Body Power for Lifelong Cardiac Care

SUBMITTED BY

H.THOWFIQUE AHAMED K.VIJAY A.MARIMUTHU S.DEVA

UNDER THE GUIDANCE OF

Ms.P.Delphine Mary ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T. ENGINEERING COLLEGE TRICHY – PUDUKKOTTAI ROAD, GUNDUR TIRUCHIRAPPALLI, TAMIL NADU – 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title : Bio-Energy pacemaker: Harnessing body power for lifelong cardiac care

Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	THOWFIQUE AHAMED	9361061287	thowfiqueahamed5@gm ail.com
2.	DEVA S	7358845238	citydeva7777@gmail.com
3.	VIJAY K	7550272557	kumav291@gmail.com
4.	MARIMUTHU A	8870264897	marimuthumarimuthu64452 @gmail.com

Name of the Guide	: P.Delphine Mary	
Designation	: Assistant professor	
Department (Full Form)	: Electronic and communication engineering	
Mobile Number	: 8248007233	
Email	: delphine@miet.edu	
Name of the Institution with Address	: MIET Engineering College, Trichy - Pudukkottai	
include of the montation man Address	Road, Trichy 620007	
Has a similar project been carried out in your Institution / elsewhere?	: No	
Course Studying	: UG Engineering	
Project Details	: Attached	
De	claration	

This is to certify that above mentioned students in table are bonafide **final year** students of P.G. Science U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two copies utilization certificate and final report along with seminar paper will be sent to the Council after completic of the project by the end of May 2025.

Signature of the Guide P. DELDYINE MANY

Signature of HoD

Signature of the Principal/Registrar/ Dean (with seal) PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



Optimised Landslide Detection & Alert System Using IoT

SUBMITTED BY

Pragadeeswaran.V Mohamed Tharik.A Asarab Ali.A Vishnu Varthan.S

UNDER THE GUIDANCE OF

Mrs.B.T.Kirthika ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T.ENGINEERING COLLEGE, PUDUKOTTAI ROAD, GUNDUR, TIRUCHIRAPPALLI, TAMIL NADU – 620 007

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.

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Application No. : EEE- 1950

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title : Optimised Landslide Detection & Alert System Using IoT Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	PRAGADEESWARAN V	9345832080	pragadeesh2704@gmail. com
2.	MOHAMED THARIK A	9894408114	thank1432f@gmail.com
3.	ASARAB ALI A	9600388076	asarafa709@gmail.com
4.	VISHNU VARTHAN S	6385650681	vishnucrazy356@gmail.co

Name of the Guide	: KIRTHIKA B T	
Designation	: ASSISTANT PROFESSOR	
Department (Full Form)	: ELECTRONICS AND COMMUNICATION ENGINEERING	
Mobile Number	: 9791229128	
Email	: kirthika.bt@gmail.com	
Name of the Institution with Address	: MIET Engineering College, Trichy - Pudukkottai Road, Trichy 620007	
Has a similar project been carried out in your Institution / elsewhere?	: No	
Course Studying	: UG Engineering	
Project Details	: Attached	
De	claration	

This is to certify that above mentioned students in table are bonafide final year students of P.G. Science / U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two coples of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of May 2025.

. . .

Signature of the Guide

Signature of HoD

Signature of the Principal/Registrar/ Dean (with seal) PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY STUDENT PROJECT PROPOSAL



MINIATURIZED MEMS BASED COCHLEAR IMPLANT FOR HEARING DEFECTS SUBMITTED BY

Fahadhu Rilwan A Sriganth S Mohamed Suhaj B Sanjay V

UNDER THE GUIDANCE OF

Dr.S.Archana ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



M.I.E.T. ENGINEERING COLLEGE TRICHY – PUDUKKOTTAI ROAD, GUNDUR TIRUCHIRAPPALLI, TAMIL NADU – 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.

Application No. : EEE- 3062

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

APPLICATION FOR STUDENT PROJECT PROPOSAL (2024-2025)

Project Title : MINIATURIZED MEMS BASED COCHLEAR IMPLANT FOR HEARING DEFECTS

Student Details:

S.No	Name of the Student	Mobile No.	Email_id
1.	FAHADHU RILWAN A	7094642611	rilwan78900@gmail.com
2.	SRIGANTH S	7397740161	sriganth415@gmail.com
3.	MOHAMED SUHAJ B	8056420180	mhdsuhaj007@gmail.com
4.	SANJAY V	9750734878	sanjaythecuber@gmail.com

Name of the Guide

Designation

Department (Full Form)

Mobile Number Email

Name of the Institution with Address

Has a similar project been carried out in your Institution / elsewhere? Course Studying Project Details

: Dr. ARCHANA S

: ASSISTANT PROFESSOR

: ELECTRONICS AND COMMUNICATION ENGINEERING

: 9447449202

: archana.s@miet.edu

: MIET Engineering College, Trichy - Pudukkottai Road, Trichy 620007

: No

: UG Engineering

: Attached

Declaration

This is to certify that above mentioned students in table are bonafide final year students of P.G. Science / U.G. Engineering / P.G. Professional Courses of our Institution and it is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of May 2025.

Signature of the Guide

Signature of HoD

Signature of the Principal/Registrar/ Dean (with seal) PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007.



STUDENT PROJECT PROPOSAL



DESIGN AND FABRICATION OF HARMONIC VERTICLE AXIS WIND TURBINE WITH SOLAR PANEL FOR ELECTRIC VEHICLE MOBILE RECHARGEABLE STATION AND STREET LIGHT

SUBMITTED BY

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UNDER THE GUIDANCE OF

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TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Application Number: 1623 Mechanical Engineering (EME

APPLICATION FOR STUDENT PROJECT PROPOSAL (2023-2024)

Project Title : Design and Fabrication of Harmonic Vertical Axis Wind Turbine with Solar Panel for E-Vehicle mobile rechargeable station and Street light.

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Has a similar project been carried out	t in : No
your Institution / elsewhere?	

your Institution / elsewhere?

Course Studying Project Details

- : UG Engineering
- : Attached

Declaration

This is to certify that <u>Mr. S. Thoufiq Umar, Mr. Y. Mohamed Hassan Dhanveer, Mr. B. Yuvaprasath</u> <u>and Mr. H.Jaseem Khan</u> is a bonafide final year students of P.G. Science / U.G. Engineering / P.G. Profossional-Courses of our Institution and it is also certified that two copies of utilization certificate an final report along with seminar paper will be sent to the Council after completion of the project by the enof May 2024.

Signature of the Guide



chature of HoD

Signature of the Principal/Dean/Registra (with seal) PRINCIPAL M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPALLI - 620 007.

