>>> **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING** <<<

Dr. MAHALINGAM
MCET
COLLEGE OF ENGINEERING AND TECHNOLOGY
Enlightening Technical Minds

THE PULSE

AN AVERA NEWSLETTER

WINNERS OF SMART INDIA HACKATHON 2022

>>> BEST OUTGOING STUDENT AWARD

Ms.S.Radhika has been honored as best out going student of Dr.MCET EEE department for the academic batch 2019-2023. She has excelled academically, participated in extracurricular activities, and demonstrated outstanding #leadership qualities as a president of AVERA an association for Electrical Engineers . Her achievements have been nothing short of extraordinary, and she have set a shining example for future generations to follow.

CHERISHED PARTING <<<

'Farewell' is not just saying goodbye. It means 'Fare Well'. On behalf of the management, admin team and on behalf of the department, we wish all the students should Fare Well in their life ahead. You all gave us a tough time, but simultaneously, you provided us with joyful memories that we will cherish forever. Some of you trusted us and shared your academic or personal problems. We used to feel happy to see your trust in us, and we have always tried hard to guide and assist you in the best possible way to resolve your problems fearlessly. All the very best

AVERA INAUGURATION

INAUGURATED BY
Mr.Sivakumar, Senior Data Engineer, NielsenLQ
16.09.2022

>>> PREAMBLE

AVERA, which stands for "move beyond the limitations of," is a technical organization run by students in the electrical and electronics engineering department. Through academic and extracurricular activities, AVERA's main objective is to provide students with a platform to advance their skills and knowledge in the field of electrical and electronic engineering .It is a forum at the departmental level where a team of more than 20 students committed to the department's overall development plans, oversees, and organizes a variety of technical and non-technical event

AVERA OFFICE BEARERS

It is a forum at the departmental level where a team of more than 20 students committed to the department's overall development plans, oversees, and organizes a variety of technical and non-technical event

President
Ms. S.Radhika (19BEE073)
Vice President
Ms.Sugeertha Veena (20BEE011)
Ms.M.Ponalagammai (20BEE013)

>>> INAUGURATION NOTE

AVERA – The Technical Association" of the Department of EEE was inaugurated for the AY 2022-2023 on 16.09.2022 at CS Hall. Mr. Sivakumar, Senior Data Engineer, NielsenLQ was invited as the Chief Guest who gave an enlightening technical talk on "Python Industrial Connect". The young and energetic new office bearers of the association from III and II year EEE were introduced. Dr. A. Senthilkumar, Dean – Academic & Autonomous & Senior Professor & HoD, Dr. V. Lakshmi Narayanan, Professor, Dr. M. Kaliamoorthy, Associate Professor and other faculty members of the department were also present in the inaugural function.

EVENTS ORGANIZED
FOR STUDENTS

>>> PROGRAMMING TRAINING <<<

Department of EEE organized a special placement training for the Final year EEE students on 12.09.2022 at Electrical Seminar Hall. Dr. N. Gobi, AP(SG) handled the training session. The students actively participated in the training.

TECHNICAL TALK <<<

"AVERA – The Technical Association" of the Department of EEE has organized a technical talk on 16.09.2022 at CS Hall. Mr. Sivakumar, Senior Data Engineer, NielsenLQ was invited as the Chief Guest who gave an enlightening technical talk on "Python Industrial Connect".

>>> IEEE INAUGURATION

Department of EEE & ECE organized the "IEEE INAUGURAL FUNCTION" on 08.10.2022 at CS Hall. Dr. R. Navaneetha Krishnan, Chairman, IEEE SSIT, Madras, Head- centre for Innovation and office of public relation- KPRIET & Director-i Explore Foundation inaugurated the function and gave a talk on "IEEE- A Platform for career enhancement". Students of II year EEE, ECE & EIE and other IEEE members of III and final year were present in the function.

The Circuit branches, IEEE Student's branch and AVERA, the Association of EEE organized an intra-college symposium "'NOVATEUR 22' on 03.11.2022 and 04.11.2022 to emphasize various talents and skills of the students of MCET and NPTC. Many technical and non-technical events like Mind Sweeper, Talk Rocks, Murder Mystery, Tech Connect, Finding Application, Meme Creation, etc., were conducted in the symposium. Various participants from the circuit streams participated and showcased their talents. The winners and participants were given prizes and certificates.
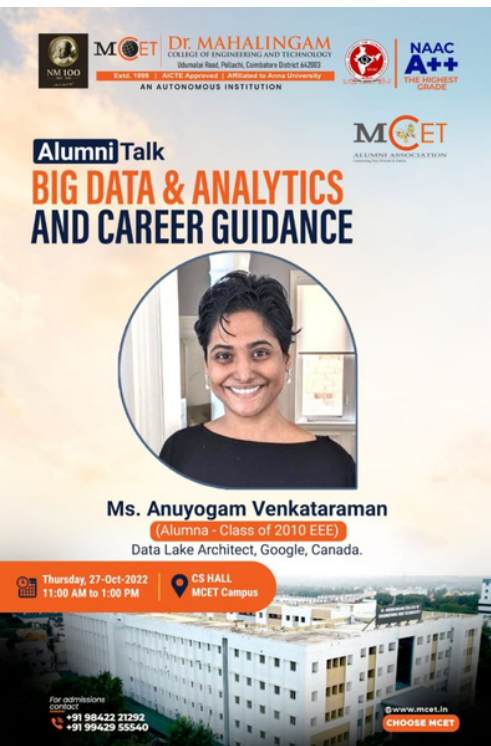
DEPARTMENTAL DELIGHTS

"Exciting Events Unveiled! Discover the Department's Vibrant Lineup of Upcoming Activities."

#DepartmentEvents
#GetInvolved
#EventfulDepartment
#CreatingMemories

ALUMNI TALK
BACK TO CAMPUS

>>> ANUYOGAM (BATCH 2010)

Department of EEE organized an Alumni Talk for third and final year students at CS Hall on 27.10.2022. Ms. Anuyogam Venkatraman, Alumna – Class of 2010 EEE, Data Lake Architect, Google, Canada was the Chief Guest of the event. The chief guest gave a talk on "Big Data & Analytics and Career Guidance" and the students actively participated in it.

ALUMNI ADDRESS

Their inspiring words serve as a testament to the impact of our education, leaving us motivated and proud to be a part of their journeys. Read on to discover the remarkable stories and insights our alumni generously shared with our current students and faculty.

#AlumniAddress

SRUTHI SUBRAMANIAN (2014) <<<

Department of EEE organized an Alumni Talk for third and final year students at EEE seminar Hall on 28.12.2022. Ms. Sruthi Subramanian Alumna – Class of 2014 EEE, Systems Engineer, Airbus, Germany was the Chief Guest of the event. The chief guest gave a talk on "Career Guidance " and the students actively participated in it.

ENERGY CONSERVATION DAY
CELEBRATIONS

TECHNICAL TALK ⫷

Department of Electrical and Electronics Engineering, Dr.Mahalingam College of Engineering and Technology has celebrated the energy conservation day with our proud alumnus Mr.N.Prasanna, Proprietor PCEEE and Partner in Tekpower Energy Solutions. He delivered a tech talk on Energy Conservation in Electrical Systems to first year Electrical and Electronics Engineering students. Being a Certified Energy manager he gave lot of simple techniques to save our daily use of energy without any extra efforts. Special Thanks to Mr.N.Prasanna for accepting our invitation to deliver a talk. After his talk entire department has taken pledge to save energy. First Year EEE Students exhibited their posters on Energy Conservation.

ILLUMINATING INSIGHTS

On Energy Conservation Day, our institution took significant strides toward a sustainable future. From informative seminars to practical tips on energy efficiency, our community came together with passion and purpose.

#EnergyConservationDay
#SustainabilityEfforts

SAVE ENERGY, SAVE MONEY, SAVE NATION, SAVE THE PLANET.

STUDENTS ACHEIVEMENTS

CO-CURRICULAR

>>> SMART INDIA HACKATHON 2022

Karthiswaran R, Suhail N, Nantha Kumar M, Radhika S, Gokul Priya D, Guruyogiraj K, students of final year EEE accompanied by the faculty members Dr. K. Saranya and Mr. Senthilkumar had participated in the Smart India Hackathon, 2022 conducted between August 25th and 29th, 2022 at Indian Institute of Technology, Roorkee and won the Ist Runner up with a cash price of Rupees 75,000.

PROJECT PRESENTATION <<<

Three students Kamali. G, Kirubhanithi. P and Praveen Kumar. S from III year EEE Department participated in the Grand Finale of IEEE Project Contest 'YESIST12, 2022' organised by 'Sri Venkateshwara College of Engineering 'held on September 10&11, 2022 at Bangalore and presented their project "Prepaid Energy Meter Using RFID".

>>> PAPER PRESENTATION

Three students of III year, Electrical and Electronics Engineering department, M. Swarnamalleshwari, S. Aravinth and S. Ranjith participated in the paper presentation in 'INNOWIZ 2K22', A National Level Technical Symposium organised by Erode Sengunthar Engineering College on 20.10.2022 and won first prize.

NOVATEUR'22 <<<

II year EEE students had participated in various events in 'Novateur'22', an intra college symposium held during 3-4 November 2022 and came up with flying colors. Muthukumaran. K, Sino Sebastian – First place in the event 'Ideathon'. Gokul – First place in the event 'Tech Connect' & Second place in 'Mind Sweeper'. Prakash Karthik – First place in the event 'Tech Connect' & Second place in 'Mind Sweeper'

SPARKLING STARS

"Discovering Hidden Talents: Our students aren't just excelling in academics; they're shining bright in co-curricular activities too! From sports to arts, their achievements outside the classroom are a testament to their dedication and passion. Stay tuned to witness their remarkable journey of growth and success!"

#BeyondTheClassroom

>>> PAPER PRESENTATION

C.Ramnath of II Year, EEE had participated in the paper presentation and won First prize with a cash prize of Rs.1000/- at the National level technical symposium organised by PSNA college of Engineering and Technology, Dindigul on 11.11.2022.

TECHNICAL SYMPOSIUM <<<

Students of III year, Electrical and Electronics Engineering department, M. Kaleeswaran, Logesh.N, Gokul. N, P. Sridhar, Logesh N participated in the technical symposium, "SYMTRON-23" organized by Muthaiyammal Engineering College, Rasipuram on 06.05.2023 and won the overall Runner up trophy.

Saravana Kumar A, Karthik K, Sathya Jothi J, students of II EEE has participated in Paper Presentation event in "ECHELON 2K23", an IIPC - sponsored "State level Technical Symposium" organised by Departement of EEE, K.L.N college of Engineering on 12th April 2023 and won I place .

STUDENTS ACHEIVEMENTS

EXTRA-CURRICULAR

MUSICAL COMPETETION ◄◄◄

'Udumalai Thamizhisai Sangam' conducted an 'Art and Literature Talent Hunt Competition' at Bharathiyar Centenary Girls Higher Secondary School, Udumalpet on 22.10.2022. Karthik K, from II year EEE had participated in the college level musical competition and won the Second place. He was awarded with an appreciation certificate for his achievement.

►►► BALL BADMINTON COMPETITION

Sathyajothi, student of II year EEE had participated in the Zonal level Ball Badminton competition organized by Sri Nehru Institute of Technology, Coimbatore on 06.12.2022 and won First prize.

ATHLETICS ◄◄◄

Ratchaga, student of II year EEE had participated in Athletics organized by Sri Krishna College of Technology, Coimbatore on 28.11.2022 and 29.11.2022 and came up in Third place in the Overall Championship.

►►► CHESS COMPETITION

Gayathri and Sivabharathi, students of II year EEE had participated in the Zonal level Chess competition organized by Sri Krishna College of Engineering and Technology, Coimbatore on 02.12.2022 and won the First Prize
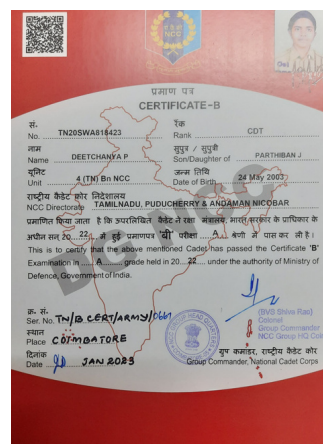
SILAMBAM ◄◄◄

World Arts and Sports Federation, Dindigul, registered with Government of India conducted the National Level Silambam Competition at Fatima College Indoor stadium, Madurai on 11.12.2022. Patchiraja. P, student of III year EEE department had participated in the events 'Surul Patta' and 'Single stick' and won 'First place' and 'Second place' respectively.

EXTRACURRICULAR TRIUMPHS

"Beyond the Classroom, Beyond Expectations! Celebrating the Remarkable Extracurricular Achievements of Our Students."

#StudentSuccess #ExtracurricularPride

Deetchanya P, an NCC student of III-year EEE has passed the Certificate 'B' and 'C' examination in A grade held in 2022 ans 2023 respectively under the authority of Ministry of Defence, Government of India.

STUDENTS PARTICIPATION
USE THE OPPORTUNITY

>>> IEEE PROJECT CONTEST

Three students Kamali. G, Kirubhanithi. P and Praveen Kumar. S from III year EEE Department participated in the Grand Finale of IEEE Project Contest 'YESIST12, 2022' organised by 'Sri Venkateshwara College of Engineering 'held on September 10&11, 2022 at Bangalore and presented their project "Prepaid Energy Meter Using RFID".

PAPER PRESENTATION <<<

K. Hemanth, student of II year, Electrical and Electronics Engineering department, participated in the paper presentation in 'FLASHOVER 2K23', A National Level Technical Symposium organised by Sri Ramakrishna Institute of Technology on 10.02.2023 and won second prize

>>> PAPER PRESENTATION

S. Prakash Karthik, student of II year, Electrical and Electronics Engineering department, participated in the paper presentation in 'POWVAZ 2K23', A National Level Technical Symposium organized by PA College of Engineering and Technology on 23.02.2023 and won third prize.

Saravana Kumar A, Karthik K, Sathya Jothi J, students of II EEE has participated in Paper Presentation event in "ECHELON 2K23" , an IIPC - sponsored "State level Technical Symposium" organised by Departement of EEE, K.L.N college of Engineering on 12th April 2023 and won I place .

Prakash Karthik, S, Gokul N, Dhanush S, students of II-year EEE had participated in the event, "Lights Camera Action (Short film) on 03.02. 2023 in "ADDICT – 2K23 A National level Technical Symposium" organized by Department of CSE, PA college of Engineering and Technology and secured II place

Karthik K, Siddharth M, student of II-year EEE had participated in the event, "Techie Talky (Paper presentation) on 03.02. 2023 in "ADDICT – 2K23 A National level Technical Symposium" organized by Department of CSE, PA college of Engineering and Technology and secured I place.

A team of 10 students from III and II EEE led by Vishnu Balaji. R of III EEE had won by 7 points in the Intramural Kabadi final match held between EEE and ECE on 27.04.2023. The team members were Ajay – II EEE, Harish – II EEE, Pavendan – II EEE, Sabari – II EEE Nithish – II EEE, Sidharth – II EEE, Nivas – II EEE, Pragadeeshwaran – III EEE, Vishnu Balaji. R – Captain – III EEE,Kathirvel – III EEE

SUMMARY

"Students took the spotlight this year with their outstanding participation in a wide range of activities. Their commitment to excellence shone through in academic, cultural, and sports events. This newsletter captures their journey of dedication and accomplishment."

#StudentParticipation #Achievements

INDUSTRIAL VISITS

UNDERSTANDING THEM

>>> KERALA ELECTRICAL & ALLIED ENGINEERING

Department of EEE organized a 3 day Industrial Visit to three companies in Kochi for III year students. The Students visited "Kerala Electrical & Allied Engineering CO. LTD, Kochi" and "Traco Cable CO LTD, Kochi" on 27.02.2023 and "Keltron Controls, Kochi" on 28.02.2023. The visit was aimed at letting students exposed to the industrial environment of Transformer designing & winding, manufacturing of Aluminium Conductor, Electric Cable, Electric Wire & Insulated Cable and Pneumatic actuators.

Industrial visit to the "Kerala Electrical & Allied Engineering CO. LTD, Kochi" was organized by the Department of EEE for the students of II year 'A' section on 24.02.2023 and II year 'A' section on 27.02.2023 The visit was aimed at letting students exposed to the industrial environment of Transformer designing and winding.

>>> SWELECT ENERGY SYSTEMS, KARUR

Industrial visit to the "Swelect Energy Systems, Karur" was organised by the Department of EEE for the students of II year 'B' section on 18.11.2022 and II year 'A' section on 21.11.2022. The visit was aimed at letting students exposed to the industrial environment of Solar panels, modules, Solar power plant and control room operation.

FACTORY TOUR

Virtual tour of the highlights, sharing the knowledge gained, the interactions with industry experts, and the unforgettable moments that enriched our students' learning journey. Join us in reliving this educational adventure and celebrating the hands-on experiences that expand our horizons.

#IndustrialVisit
#HandsOnLearning

ALUMNUS ACHEIVEMENTS
WE LOVE AND CELEBRATE YOU

MS.R.GAYATHRI <<<

Seventeen Batches of Electrical and Electronics Engineers (Dr.MCET EEE) have graduated from Dr.Mahalingam College of Engineering and Technology Pollachi. Throughout their careers, our alumnus has contributed significantly to their companies and communities while upholding the highest standards and values in everything they do.

It is our great pleasure to write about two of our esteemed alumnus, who has made us all proud with their accomplishments and contributions to society very recently. These individuals have set a shining example for all of us to follow, and we are honoured to have the opportunity to share their story with you.

Ms.R.Gayathri (2006-2010 Batch-EEE) has obtained Third Rank in Tamilnadu Public Service commission –Group 1 examinations(2020 notification). She has received orders to join as Deputy Collector from our honourable Chief Minister of Tamilnadu.

MCET | Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Affiliated to Anna University, Chennai; Approved by AICTE ; Accredited by NAAC with Grade 'A++'
Accredited by NBA - Tier1 (Mech, Auto, Civil, EEE, ECE, EIE and CSE)
Udumalai Road. Pollachi - 642 003 Tel: 04259-236030/40/50 Fax: 04259-236070 www.mcet.in

Department of Electrical and Electronics Engineering
Congratulations

Ms.R.Gayathri 2006-2010 Batch
TNPSC Group 1 (State Rank 3)
Received Order to Join as Deputy Collector from our Honourable Chief Minister
we love and celebrate you!

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Department of Electrical and Electronics Engineering
Congratulations

Ms.Z.Khalidha Banu 2013-2017 Batch
TNPSC Group 1 (State Rank 34)
Received Order to Join as Deputy Registrar of Cooperative Societies
we love and celebrate you!

>>> MS.Z. KHALIDHA BANU

Ms.Z.Khalidha Banu (2013-2017 Batch-EEE) has obtained Thirty Fourth Rank in Tamilnadu Public Service commission –Group 1 examinations(2020 notification). She has received orders to join as Deputy Registrar of Cooperative Societies.

As a student, they were known for their academic excellence and their leadership skills. They were involved in several extracurricular activities and held various leadership positions in student organizations. They were a natural-born leader who inspired their peers to strive for excellence and push beyond their limits. They worked hard, pushed themselves to achieve their goals, and never settled for mediocrity.

After graduating (Both have got placed in campus placements), both continued to pursue their dreams and went on to achieve great success in their career by preparing for civil services examinations. Their dedication and hard work paid off as they achieved great success in their profession. They quickly rose and became a well-respected figure in the society.

SUCCESS STORIES

Their success stories not only showcase the quality of education here but also serve as beacons of inspiration for current students, motivating them to aim for greatness. Join us in applauding the achievements of our accomplished alumni and their enduring connection to our institution

YOU BOTH MADE US PROUD

STACKHOLDER'S MEETING
OUR DOCTORS

>>> PARENTS MEETING

Department of EEE organised a parents meeting on 19.11.2022. Dr.M. Kaliamoorthy, HoD in charge presented the CCET and ESE split up to the parents of II and III year students. Further, the parents had a discussion with the class coordinators of their respective wards about their academic performance, attendance, and placement activities. The parents gave a positive feedback about the meeting and requested for the similar kind of meetings in the future.

>>> PARENTS VOICE <<<

Department of EEE organised a parents meeting on 29.04.2023. Parents had a discussion with the class coordinators and mentors of their respective wards about their academic performance, attendance, and other activities. The parents gave a positive feedback about the meeting and requested for the similar kind of meetings in the future

>>> 16TH BOS MEETING

16th Board of Studies meeting was conducted on 06.04.2023. Dr. P. Venkatesh, Professor, Department of EEE, Thiagarajar College of Engineering, Madurai was the University Nominee.

Dr.S.Vasantharathna Professor and Head, Department of EEE, Coimbatore Institute of Technology, Coimbatore was academic expert, Dr.P.Rajkumar, Project Manager, Robert Bosch Engineering and Business Solutions Limited, Coimbatore was Industry expert. Ms.Sreedevi Sundararajan Project Lead, ARRIS Group Pvt Ltd, Bangalore was alumni and industry expert.

CONNECTING FOR SUCCESS

Our recent gathering of parents and educators was a productive exchange of ideas, insights, and strategies for our students' growth and development. We value the partnership between parents and the school community and are excited to share the outcomes of this enriching meeting. Together, we continue to nurture a supportive and empowering environment for our students.
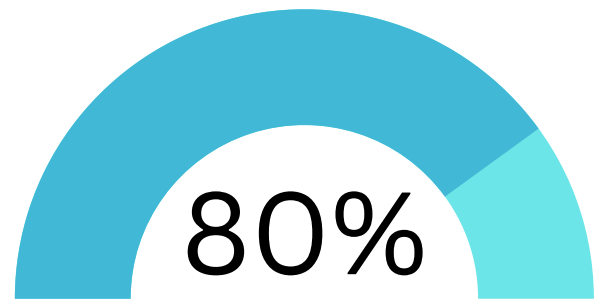
#ParentsMeeting
#CollaborativeSuccess

CAMPUS PLACEMENTS

LAUNCHING CAREERS, BUILDING FUTURES

On Roll	122
Placement Opted	112
Placed in Core	55
Placed in IT	33
Maximum CTC (LPA)	8 LPA
Average CTC (LPA)	3.5LPA
Dual Offers	12
Total Offers	100

80%

Company	Count	Count	Company
NTT DATA	10		
virtusa	3	13	VOLTECH
ZOHO	3	7	cognizant
Caresoft	2	6	VVDN TECHNOLOGIES
Versa Drives	3	1	CODINGMART
EKKI PUMPS	7	3	Craftsman AUTOMATION
swelect ENERGY SYSTEMS LTD	6		
WTT INTERNATIONAL	2		

Company	Count	Count	Company
TVS	4	2	BAVISTECH
VURAM	1	1	Assistanz Beyond Boundaries
JANATICS	1	1	HEXAWARE
HYUNDAI	2	1	JANATICS
KASADARA	1	1	Cloud Destinations Embrace Cloud Multiverse
		1	Lucas TVS

CELEBRATING DEPARTMENTAL SUCCESS!

Through hard work, dedication, and unwavering commitment to excellence, we've paved the way for promising career. Congratulations to our incredible team for making this achievement possible. Here's to more success in the future!

#PlacementsSuccess
#CareerMilestones

FACULTY DETAILS
TEAM

SENIOR PROFESSOR AND HEAD
DR.A.SENTHILKUMAR

ASSOCIATE PROFESSOR
DR.A.SAKTHIVEL

DR.M.KALIAMOORTHY

DR.J.AMUDHA

DR.B.VINOTH KUMAR

DR.L.CHITRA

ASSISTANT PROFESSOR
DR.N.YOGAMBAL JEYALAKSHMI
(DOR:30.08.2022)

DR.K.RAMESHKUMAR

MR.J.SENTHILKUMAR (DOR:19.09.2022)

MR.M.SARAVANAKUMAR

MR.D.GNANAPRAKASAM

MR.M.PRABHURAJ

MR.T.SATHISH KUMAR

MR.A.VENKATESH

MRS.D.SUGANYADEVI

MS.A.SUGANYA

MR.J.NAGARAJAN

MS.T.NANDHINI

MS.A.SELVANAYAGAM

MS.N.AARTHI

MR.J.ARUTHUR VASANTH (DOJ:17.11.2022)

MR.M.GANESAN (DOJ:14.12.2022)

PROFESSOR
DR.V.LAKSHMINARAYANAN

ASSISTANT PROFESSOR(SG)
DR.K.UMAMAHESHWARI

DR.B.KISHORE

DR.S.ANTHONY JESUDURAI

ASSISTANT PROFESSOR(SS)
DR.K.SARANYA

MR.R.MUTHUBHARATHI

MR.T.ANANDAKUMAR

MRS.K.DURGALAKSHMI

ADMINISTRATIVE ASSISTANT
MRS.G.KIRUBALAKSHMI

LAB ASSISTANT
MR.Y.CHRISTOPHER MICHAEL RAJ

MRS.JENIFER THILAGARANI

MR.MALAYANDISAMY

MR.R.AMARNATH

MR.P.ANBURAJ

EXCEPTIONAL TEAM!

Our dedicated educators bring expertise, passion, and innovation to the classroom, shaping the future of our students. Together, we inspire and empower the next generation of leaders, thinkers, and change-makers.

#FacultyExcellence
#EducationLeadership

PATENTS GRANTED

INNOVATIONS

Inventor: Dr.M.KALIAMOORTHY
Title: Dual Switch Coupled Inductor Converter
Date of Grant: 24.05.2023
Patent Number : 380828-001
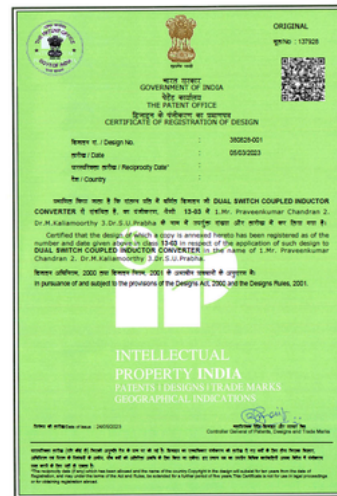
Inventor: Dr.M.KALIAMOORTHY
Title: Brushless DC motor for Electric Vehicle
Date of Grant: 05.04.2023
Patent Number : 368818-001

Inventor: Dr Kishore B
Title: Self-Charging Bicycle with Solar Panel
Date of Grant: 03.08.2022
Patent Number : 402964

INNOVATIONS

After countless hours of hard work, dedication, and groundbreaking research, we've received official recognition with the grant of a new patens. This achievement is a testament to our commitment to pushing the boundaries of innovation and solving real-world problems.

A huge shout-out to the brilliant minds behind this success! Stay tuned for more exciting developments from our department.

#ParentsMeeting
#CollaborativeSuccess

Inventor: Dr Kishore B
Title: AGRICULTURE ROBOT FOR SOWING SEEDS
Date of Grant: 03.08.2022
Patent Number : 382119-001

NPTEL CERTIFICATIONS
ONLINE LEARNING

Name	Course
M. Mohanraj (20BEE007)	Programming in JAVA
M. Blesso (727621BEE005)	Principles of Management
A.Saravana Kumar (727621BEE023)	Principles of Management
R.Thirumalaivasan (727621BEE093)	Principles of Management
G. Kamali (20BEE015)	Leadership & Team Effectiveness
M. Ponalagammai (20BEE013)	Leadership & Team Effectiveness
S.Akash	Programming, Data Structures and Algorithms using Python
S.Karthick	Basic Electric Circuits

SUMMARY

Other Online Certification

Students: 143

Staffs: 26 (FDPs)

Faculty	Course
Dr.M.Kaliamoorthy	1. Programming Data Structures and Algorithms using Python 2. Introduction to Machine Learning 3. Introduction to IoT
Mr.D.Gnanaprakasam	Roadmap for Patent Creation
Mr.R.Muthubharathi	Roadmap for Patent Creation
Dr.B.Vinothkumar	Introduction to Machine Learning

TRAINING AND CONSULTANCY

INDUSTRY CONNECT

>>> TRAINING TO INDUSTRY ENGINEERS

Training Faculty: Mr. R. Muthubharathi AP(SS)/EEE
Company name: BiMetal Bearing Pvt Ltd, Coimbatore
Training Charges: Rs 1,00,000
Duration : June 2022 – Sep 2022

Training Faculty: Dr. S. Antony Jesudurai AP(SG)/EEE
Company name: Revathi Equipements, Coimbatore
Training Charges: Rs 1,19,794
Duration: 29.05.23 -31.05.23

ENERGY & SAFETY AUDIT

Location	Revenue	Location	Revenue
		Club Mahindra, Cherai	Rs 23,600
Club Mahindra, Kerala Cluster	Rs 1,10,000	Club Mahindra, Poovar	Rs 35,400
Club Mahindra, UK Cluster	Rs 1,20,000	Club Mahindra, Gangtok	Rs 23,600
Club Mahindra, Kanatal	Rs 23,600	Club Mahindra, Ranipool	Rs 97,989
Club Mahindra, Jim Corbett	Rs 1,25,191	Club Mahindra, Pondicherry	Rs 43,578
Club Mahindra, Mussorrie	Rs 35,400	Club Mahindra, Kanha	Rs 35,400
Club Mahindra, Binsar	Rs 35,400		
Club Mahindra, Asthamudi	Rs 37,820		
Club Mahindra, Arookutty	Rs 35,400		
Club Mahindra, Baiguney	Rs 23,600		

FACULTY INVOLVED

Dr.L.Chitra ASP/EEE
Mr.M.Prabhuraj AP/EEE
Mr.Y. Christopher Michael Raj
Mr. Arivazhagan
Mr. Malaiyandisamy

TOTAL REVENUE GENERATED

Rs 9,66,772

FACULTY CORNER
WE UPDATE FREQUENTLY

DOING PHD

Mr R Muthubharathi
Implementation using Fog-edge computing with optimized power-delay
Guide Name: Dr M Pandi, ASP, CSE,
Date of Registration: Jul-18

Mr T Anand Kumar
Design and implementation of Grid connected single phase multilevel
inverter for photovoltaic application
Guide Name: Dr M Kaliamoorthy, Associate Professor, EEE
Date of Registration: Jul-17

Ms K Durgalakshmi
A reduced switch multilevel inverter based single phase shunt active
filter for power quality enhancement
Guide Name: Dr B.Kannapiran, Prof, ECE
Date of Registration: Jul-21

Mr D Gnanaprakasam
Design and implementation of matrix converter-based shunt active
power filter for the enhancement of power quality
Guide Name: Dr N Saravanakumar, ASP ECE
Date of Registration: Jul-22

Mr T Satheeshkumar
Challenges in integrating renewal energy sources with Smart Grid
Guide Name: Dr T Venkatesan, Pro EEE, KSRCT, Thiruchengode
Date of Registration: Jul-05

Mr J. Nagarajan
Self adaptive pi controller for buck boost converter Based on
generalised hopfield neural network
Guide Name: Dr M Balasubramonian, Prof EEE ACTech
Karaikudi
Date of Registration: Jul-17

FACULTY STRENGTH

Total Faculty	30
Professors	02
Associate Professors	05
Assistant Professor	23
Research Supervisors	10
With PhD	13

COMPLETED PHD

Dr K Saranya
Registration No: 16244697151
Title of Research Work: Design and implementation of
reversible VLSI architectures for image cryptography
Dr K N Vijeyakumar, Professor, Dr MCET
Date of Viva Voce: 23.11.2022
Year of Completing Ph. D: 2022

JOURNAL PUBLICATIONS

Thirumarai Selvi, C., M. Jayasheela, J. Amudha, and R. Sudhakar. "An EEG-Based Thought Recognition Using Pseudo-Wigner–Kullback–Leibler Deep Neural Classification." Circuits, Systems, and Signal Processing 42, no. 2 (2023): 1063-1082.

SELVIA, C. THIRUMARAI, RS SANKARA SUBRAMANIANB, J. AMUDHAC, and M. MUTHUKRISHNAND. "Implementation of FPGA hardware architecture for optimized SPIHT coder using 2DWT-A."

Chandraraju, Thirumarai Selvi, and Amudha Jeyaprakash. "Categorization of breast masses based on deep belief network parameters optimized using chaotic krill herd optimization algorithm for frequent diagnosis of breast abnormalities." International Journal of Imaging Systems and Technology 32, no. 5 (2022): 1561-1576.

Saranya, K., and K. N. Vijeyakumar. "Design of area, energy and security optimized reversible architectures for digital image cryptography." Circuits, Systems, and Signal Processing (2023): 1-27

Jyothi, Chinthalgiri, K. Saranya, Bhaskara Rao Jammu, Sreehari Veeramachaneni, and SK Noor Mahammad. "A New Approximate 4-2 Compressor using Merged Sum and Carry." Journal of Electronic Testing 38, no. 4 (2022): 381-394.

Chandran, Praveenkumar, Kaliamoorthy Mylsamy, and Prabha S. Umapathy. "Analytical evaluation of single-input dual-output based integrated luo-buck converter for BLDC motor." IET Power Electronics 16, no. 6 (2023): 937-947.

Aljafari, Belqasem, Kanagavel Rameshkumar, Vairavasundaram Indragandhi, and Selvamathi Ramachandran. "A novel single-phase shunt active power filter with a cost function based model predictive current control technique." Energies 15, no. 13 (2022): 4531.

RESEARCH PUBLICATION

We're delighted to share the latest addition to our body of knowledge. Our dedicated team of researchers has unveiled a ground breaking publication that promises to make waves in the Electrical and Electronics community.

Gayathri Devi, K., Kishore Balasubramanian, C. Senthilkumar, and K. Ramya. "Accurate Prediction and Classification of Corn Leaf Disease Using Adaptive Moment Estimation Optimizer in Deep Learning Networks." Journal of Electrical Engineering & Technology 18, no. 1 (2023): 637-649.

Balasubramanian, Kishore, and N. P. Ananthamoorthy. "Correlation-based feature selection using bio-inspired algorithms and optimized KELM classifier for glaucoma diagnosis." Applied Soft Computing 128 (2022): 109432.

JOURNAL PUBLICATIONS

Balasubramaniam, Kishore, S. Vidhya, N. Jayapandian, K. Ramya, M. Poongodi, Mounir Hamdi, and Godwin Brown Tunze. "Social network user profiling with multilayer semantic modeling using ego network." International Journal of Information Technology and Web Engineering (IJITWE) 17, no. 1 (2022): 1-14.

Balasubramanian, Kishore. "Drowsiness detection and safety monitoring using image processing." International Journal of Applied Science and Engineering 19, no. 3 (2022): 1-9.

Balasubramanian, Kishore, A. V. Prabu, Mahammad Firose Shaik, R. Anjaneyulu Naik, and S. Kanimozhi Suguna. "A hybrid deep learning for patient activity recognition (PAR): Real time body wearable sensor network from healthcare monitoring system (HMS)." Journal of Intelligent & Fuzzy Systems Preprint (2023): 1-17.

Balasubramanian, Kishore, Ananthamoorthy Nalligoundenpalayam Periyasamy, and Ramya Kishore. "Modified spider monkey optimization algorithm based feature selection and probabilistic neural network classifier in face recognition." Expert Systems 40, no. 1 (2023): e13088.

Ali, Mona AS, Kishore Balasubramanian, Gayathri Devi Krishnamoorthy, Suresh Muthusamy, Santhiya Pandiyan, Hitesh Panchal, Suman Mann et al. "Classification of glaucoma based on elephant-herding optimization algorithm and deep belief network." Electronics 11, no. 11 (2022): 1763.

Bhavani, NP G., Ravi Kumar, Bhawani Sankar Panigrahi, Kishore Balasubramanian, B. Arunsundar, Zulkiflee Abdul-Samad, and Abha Singh. "Design and implementation of IoT integrated monitoring and control system of renewable energy in smart grid for sustainable computing network." Sustainable Computing: Informatics and Systems 35 (2022): 100769.

RESEARCH PUBLICATION

Our team's commitment to advancing the frontiers of knowledge is truly commendable, and we couldn't be prouder. Stay tuned for more updates, as we continue our journey of exploration and innovation.

#ResearchPublication
#KnowledgeAdvancement
#TeamAccomplishments

Balasubramanian, Kishore, K. Ramya, and K. Gayathri Devi. "Improved swarm optimization of deep features for glaucoma classification using SEGSO and VGGNet." Biomedical Signal Processing and Control 77 (2022): 103845.

BALASUBRAMANİAN, Kishore, V. Karthik, and V. K. Padmanaban. "Smart Multi Verification Based Security System." El-Cezeri 10, no. 2: 193-207.

Kumar, T. Anand, M. Kaliamoorthy, and I. Raj. "Genetic Algorithm Based 7-Level Step-Up Inverter with Reduced Harmonics and Switching Devices." Intelligent Automation & Soft Computing 35, no. 3 (2023).

FOLLOW US ON

PLANNING FOR A NEW START

Avera, an association of Department of EEE conducted its Valedictory function on 27.04.2023. Er. P. Krishnasami B.E, Asst. Executive Engineer/TNEB(Rtd), Pollachi was invited as the Chief Guest. The event started with a prayer song. Dr. M. Kaliamoorthy, HoD, EEE gave the Presidential address followed by the Chief Guest's interaction with the audience. The annual report of the association, release of Newsletter and Technical Magazine and distribution of certificates for the achievers of various events conducted under the association were the other highlights of the function. Dr. A. Senthil Kumar, DEAN – ACADEMICS & AUTONOMOUS, Dr. Lakhsmi Narayanan. V, HoD, EIE were the other dignitaries present in the function.

INSPIRING JOURNEY

We reflect on the remarkable journey we've undertaken together as members of AVERA Association. The tireless dedication, passion, and collaboration of our members have been the driving force behind the success of our association. Thank you for your unwavering support and active participation.

VISION & MISSION

VISION

WE DEVELOP GLOBALLY COMPETENT ELECTRICAL AND ELECTRONICS ENGINEER TO SOLVE REAL TIME PROBLEMS OF THE INDUSTRY AND SOCIETY AND CONDUCT RESEARCH FOR THE APPLICATION OF KNOWLEDGE TO THE SOCIETY.

MISSION

IN ORDER TO FOSTER GROWTH AND EMPOWERMENT, WE COMMIT OURSELVES TO

- DEVELOP ELECTRICAL AND ELECTRONICS ENGINEERS OF HIGH CALIBER TO MEET THE EXPECTATIONS OF INDUSTRIES THROUGH EFFECTIVE TEACHING-LEARNING PROCESS

- IMPROVE CAREER OPPORTUNITIES IN CORE AREAS OF ELECTRICAL AND ELECTRONICS ENGINEERING.

- INCULCATE LEADERSHIP QUALITIES WITH ETHICAL AND SOCIAL RESPONSIBILITIES

PEO'S

PEO 1. TECHNICAL EXPERTISE: ACQUIRE A PROFESSIONAL CAREER AND PERSONAL DEVELOPMENT IN INDUSTRIES/ HIGHER STUDIES/RESEARCH ASSIGNMENTS/ ENTREPRENEURS.

PEO 2. LIFE-LONG LEARNING: SUSTAIN TO DEVELOP THEIR KNOWLEDGE AND SKILLS THROUGHOUT THEIR CAREER.

PEO 3. ETHICAL KNOWLEDGE: EXHIBIT PROFESSIONALISM, ETHICAL ATTITUDE, COMMUNICATION SKILLS, TEAM WORK AND ADAPT TO CURRENT TRENDS.

FOLLOW US ON

PO'S

PROGRAM OUTCOMES

PO 1. ENGINEERING KNOWLEDGE: APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, FUNDAMENTAL ELECTRICAL AND ELECTRONICS ENGINEERING TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS.

PO 2. PROBLEM ANALYSIS: IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYZE COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, ELECTRICAL AND ELECTRONICS ENGINEERING.

PO 3. DESIGN/DEVELOPMENT OF SOLUTIONS: DESIGN SOLUTIONS FOR COMPLEX ELECTRICAL AND ELECTRONICS ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES OR PRODUCTS THAT MEET THE SPECIFIED NEEDS WITH APPROPRIATE CONSIDERATION FOR THE PUBLIC HEALTH AND SAFETY, AND THE CULTURAL, SOCIETAL, AND ENVIRONMENTAL CONSIDERATIONS.

PO 4. CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS: USE RESEARCH-BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS IN ELECTRICAL AND ELECTRONICS ENGINEERING PROBLEMS.

PO 5. MODERN TOOL USAGE: CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELING TO COMPLEX ELECTRICAL AND ELECTRONICS ENGINEERING ACTIVITIES WITH AN UNDERSTANDING OF THE LIMITATIONS.

PO 6. THE ENGINEER AND SOCIETY: APPLY REASONING INFORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE

FOLLOW US ON

VISION

MISSION

PO'S

PROGRAM OUTCOMES

PO 7. ENVIRONMENT AND SUSTAINABILITY: UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.

PO 8. ETHICS: APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.

PO 9. INDIVIDUAL AND TEAM WORK: FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS.

PO 10. COMMUNICATION: COMMUNICATE EFFECTIVELY ON COMPLEX ENGINEERING ACTIVITIES WITH THE ENGINEERING COMMUNITY AND WITH SOCIETY AT LARGE, SUCH AS, BEING ABLE TO COMPREHEND AND WRITE EFFECTIVE REPORTS AND DESIGN DOCUMENTATION, MAKE EFFECTIVE PRESENTATIONS, AND GIVE AND RECEIVE CLEAR INSTRUCTIONS.

PO 11. PROJECT MANAGEMENT AND FINANCE: DEMONSTRATE KNOWLEDGE AND UNDERSTANDING OF THE ENGINEERING AND MANAGEMENT PRINCIPLES AND APPLY THESE TO ONE'S OWN WORK, AS A MEMBER AND LEADER IN A TEAM, TO MANAGE PROJECTS AND IN MULTIDISCIPLINARY ENVIRONMENTS.

PO 12. LIFE-LONG LEARNING: RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADEST CONTEXT OF TECHNOLOGICAL CHANGE.

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EDITORIAL TEAM

DR.K.SARANYA
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MR.J.NAGARAJAN
AVERA FACULTY JOINT
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