



VELAMMAL
INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

Department of Electrical and Electronics Engineering

presents

SPARK



June 2023 - May 2024
Even Semester

Institute Vision

To be a leader in imparting quality technical education, research & enterprising skills in pursuit of professional excellence.

Institute Mission

- To promote quality education & technical skills to meet the industry requirements.
- To incorporate team work, leadership skills & lifelong learning.
- To facilitate career development & higher education assistance.
- To encourage innovative ideas for research & development and entrepreneurship for societal needs.
- To inculcate ethical responsibility & human values.

Vision of the Department

To produce highly competent Electrical Engineers and Researchers to fulfil the technological needs of society through innovation and product development.

Mission of Department

- To educate graduates with fundamental principles to acquire advanced technical knowledge in domains of Electrical and Electronics Engineering.
- To provide a progressive environment for innovative creations and rigorous practical training through creative activities in conventional and thrust areas of Electrical and Electronics Engineering.
- To inculcate Societal and Ethical values among the faculties and students.

Program Outcomes (POs)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** 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.
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.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
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.

Program Outcomes (POs)

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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
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.
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.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage independent and life-long learning in the broadest context of technological change.

Program Educational Objectives (PEOs)

PEO – 1 : Graduates of the program will have successful technical and professional career.

PEO – 2 : Graduates of the program will reveal life-long learning to enhance technical skills and Managerial skills.

PEO – 3 : Graduates of the program will undertake societal responsibilities with ethical practice.

Programme Specific Outcomes (PSOs)

Foundation of Electrical Engineering: Ability to understand the principles and working of electrical components, circuits, systems and control that are forming a part of power generation, transmission, distribution, utilization, conservation and energy saving. Students can assess the power management, auditing, crisis and energy saving aspects.

Foundation of Mathematical Concepts: Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.

Computing and Research Ability: Ability to use knowledge in various domains to identify research gaps and hence to provide solution which leads to new ideas and innovations.

TEAM MEMBERS

Editors-in-Chief

Mr Deevi Rohith Kumar

IV Year EEE Student

Mr I Vijay Ganesh,,

III Year EEE Student

Editorial Committee

Mr R C Madhvesh IV Year EEE

Ms R Nemika IV Year EEE

Mr S Nishanth Vadanam III Year EEE

Ms U Pavithra, III Year EEE

Mr Rajavel Rahul, III Year EEE

Ms A Hemalatha,II Year EEE

Mr J Harish, II Year EEE

Ms M Sowmiya, II Year EEE

Mr R Praveen Kumar, II Year EEE Student

Staff Coordinators

Dr S Muthukaruppasamy., Ph.D.,

Professor & Head

Mr P Vivek M.E.,(Ph.D).,

Assistant Professor / EEE

Velammal Institute of Technology

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DEPARTMENT OF EEE - WORKSHOP

***"Electric Vehicle Design Course in
Scheme of Naan Mudhalvan" - Held on
16-04-2024 for III Year EEE***





VELAMMAL

INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



DEPARTMENT OF EEE - WORKSHOP

***Glimpse of "Hands-on Training on
Arduino Programming"- Workshop
for II Year EEE***



Industrial Visits

ACADEMIC YEAR	YEAR/SEM	INDUSTRY	DATE
1	II , III YEAR & EEE	ADANI Facilities	06.04.2024

DEPARTMENT OF EEE - INDUSTRIAL VISIT

*Industrial Visit to "Adani Facilities at
Katupalli (Tamil Nadu)
on Saturday 6th of April 2024
By II, III & IV EEE*



Club Activities – A Glimpse



VELAMMAL
INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



DEPARTMENT OF EEE-STUDENT'S CLUB ACTIVITY

POWER CLUB



INNOVATION CLUB



ENERGY CLUB



DISSEMBLE CLUB



PHOTO & VIDEO CLUB



Club Activities

INNOVATION CLUB

The main aim of this club is

- Each team doing mini projects using the Arduino workshop conducted under this club
- To make the students to solution for an issue using Arduino kit.
- To make the students to attend the inter college project competitions.

TOXIC GAS LEAKAGE
DETECTOR USING
ARDUINO



TRANSMISSION
LINE FAULT
DETECTION



ENVIRONMENTAL
MONITORING AND
ATMOSPHERIC ANALYSIS

I-V MONITORING
SYSTEM IN HOSPITAL



CHARGE MONITORING AND
FIRE PROTECTION IN EV BMS
SYSTEM

TRAIN ACCIDENT
PREVENTION
USING
ULTRASONIC
SENSOR



CULTURAL EVENT

VAGANZA 24

S.No	Student Name	Title of Event	Year
1.	Lathika Saran S	solo dance, group dance	II
2.	Hemambika B	Solo, group dance	II
3.	Sowmiya	group dance	II
4.	Monisha	group dance	II
5.	Karishma	Group singing	II
6.	Jeevitha	Solo Singing, Group singing	II
7.	Harshitha	group dance	II
8.	Harish	Duo Dance	II
9.	Elancheziyan	Duo Dance	II
10.	Shamitha	Classical Dance, Duo Dance	III
11.	Logeshwari	Duo Dance	III

CULTURAL EVENT-VAGANZA 24

S.No	Student Name	Title of Event	Year
12.	Shivisksan	Boys Singing	III
13.	Kamal Kumar	Boys Singing	III
14.	Pavithra	Duo dance	III
15.	Ashwini	Duo dance	III
16.	Vijay Ganesh	Skid, Boys Miming	III
17.	Kamal kumar	Skid, Boys Miming	III
18.	Dhanush	Skid, Boys Miming	III
19.	Akhilesh	Skid, Boys Miming	III
20.	Shivisksan	Skid, Boys Miming	III
21.	Shyam Ganesh	Skid, Boys Miming	III
22.	Venkat Ragavan	Skid, Boys Singing, Boys Miming	III
23.	Selva Ganesh	Skid, Boys Miming	III
24.	Shoban	Skid, Boys Singing	III



VELAMMAL
INSTITUTE OF TECHNOLOGY
Chemical - Sullistala Highway, Perambalur, District -
Perambalur - 621 005

VAGANZA'24

A large group of students and teachers posing for a group photo outdoors. The group is arranged in several rows, with some students sitting on the ground in front. They are dressed in a variety of casual and semi-formal attire. The background shows a grassy area and some trees.





II YEAR GIRLS DANCE

III YEAR BOYS DANCE



III YEAR BOYS DANCE

III YEAR GIRLS DANCE



GROUP PHOTO

Students Outside Event Participation

S.No	Name	Event	Participated	Year	Date
1	MONISHA P	Symposium	Technical Quiz	II	6.3.24
2	BALA PRASATH P	Symposium	MOVIE MINER	II	9.3.24
3	PRAVEEN KUMAR R	Symposium	MOVIE MINER	II	9.3.24
4	HARSITHA S	Symposium	Paper Presentation	II	6.3.24
5	HARSITHA S	Symposium	Technical Quiz	II	6.3.24
7.	SOWMIYA M	Symposium	Technical Quiz	II	6.3.24
8	SOWMIYA M	Symposium	Paper Presentation	II	6.3.24

Students Outside Event Participation



Mr.Kamalesh.S (II EEE)-Second Prize In Technical Event(Sqlize) -Symposium @ SRM IST on Mar 2024



Praveen Kumar and Bala prasath(II EEE)- receives Second Prize Non Technical Even on Symposium @ Panimalar Engg College on Mar 2024

Students Outside Event Participation



Student's Achievements

Few of our department II Year students completed the NPTEL online certification course and enriched their knowledge.

S.No	Name of student	Name of NPTEL Course
1	HARISH J	Python for Data Science
2	ELANCHEZIYAN K	Python for Data Science
3	HEMALATHA A	Python for Data Science
4	PRAVEENKUMAR R	Python for Data Science
5	SOWMIYA M	Python for Data Science
6	PAVITHRA D	Python for Data Science

Congratulations to the students!!!



DEPARTMENT OF EEE



NPTEL CERTIFIED - STUDENTS (II EEE)

JAN-APRIL 24 COURSE

COURSE TITLE : Python for Data Science



PRAVEENKUMAR R



SOWMIYA M



PAVITHRA

Congrats!



HARISH J



HEMALATHA A



ELANCHEZIYAN.K

NPTEL CERTIFICATES

Elite

NPTEL Online Certification
Presented by NPTEL, IIT Madras

This certificate is awarded to
ANANDHARAJAN
for successfully completing the course
Python for Data Science

with a consolidated score of **85 %**

Online Assignments	85%	Practical Exam	85.87%
--------------------	-----	----------------	--------

Total number of candidates certified in this course: 11932

Dr. Anand Kumar
Prof. Anand Kumar
NPTEL, IIT Madras

Jan-Feb 2024
10 weeks duration

Indian Institute of Technology Madras

NPTEL, IIT Madras

To verify the certificate

No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
Presented by NPTEL, IIT Madras

This certificate is awarded to
PRATHIMA
for successfully completing the course
Python for Data Science

with a consolidated score of **60 %**

Online Assignments	60.17%	Practical Exam	60.21%
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Total number of candidates certified in this course: 11932

Dr. Anand Kumar
Prof. Anand Kumar
NPTEL, IIT Madras

Jan-Feb 2024
10 weeks duration

Indian Institute of Technology Madras

NPTEL, IIT Madras

To verify the certificate

No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
Presented by NPTEL, IIT Madras

This certificate is awarded to
SIMONA R
for successfully completing the course
Python for Data Science

with a consolidated score of **82 %**

Online Assignments	84.83%	Practical Exam	87.87%
--------------------	--------	----------------	--------

Total number of candidates certified in this course: 11932

Dr. Anand Kumar
Prof. Anand Kumar
NPTEL, IIT Madras

Jan-Feb 2024
10 weeks duration

Indian Institute of Technology Madras

NPTEL, IIT Madras

To verify the certificate

No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
Presented by NPTEL, IIT Madras

This certificate is awarded to
SHOBANATHA R
for successfully completing the course
Python for Data Science

with a consolidated score of **88 %**

Online Assignments	88.23%	Practical Exam	88.7%
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Total number of candidates certified in this course: 11932

Dr. Anand Kumar
Prof. Anand Kumar
NPTEL, IIT Madras

Jan-Feb 2024
10 weeks duration

Indian Institute of Technology Madras

NPTEL, IIT Madras

To verify the certificate

No. of credits recommended: 1 or 2

NPTEL Online Certification
Presented by NPTEL, IIT Madras

This certificate is awarded to
K. ELANGUMETIAN
for successfully completing the course
Python for Data Science

with a consolidated score of **88 %**

Online Assignments	88.88%	Practical Exam	88.10%
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Total number of candidates certified in this course: 11932

Dr. Anand Kumar
Prof. Anand Kumar
NPTEL, IIT Madras

Jan-Feb 2024
10 weeks duration

Indian Institute of Technology Madras

NPTEL, IIT Madras

To verify the certificate

No. of credits recommended: 1 or 2

NPTEL Online Certification
Presented by NPTEL, IIT Madras

This certificate is awarded to
ANISHA J
for successfully completing the course
Python for Data Science

with a consolidated score of **88 %**

Online Assignments	88.88%	Practical Exam	88.90%
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Total number of candidates certified in this course: 11932

Dr. Anand Kumar
Prof. Anand Kumar
NPTEL, IIT Madras

Jan-Feb 2024
10 weeks duration

Indian Institute of Technology Madras

NPTEL, IIT Madras

To verify the certificate

No. of credits recommended: 1 or 2

Student's Achievements

Few of our department III Year students completed the NPTEL online certification course and enriched their knowledge.

S.No	Name of student	Name of NPTEL Course
1	KARUNYA S	Smart Grid Basics & Advanced Technologies
2	LOGAPRIYA A	Smart Grid Basics & Advanced Technologies
3	LOGESWARI S	Smart Grid Basics & Advanced Technologies
4	NISHANTH VADANAM S	Smart Grid Basics & Advanced Technologies
5	PAVITHRA U	Smart Grid Basics & Advanced Technologies
6	PERIYASWAMY ALAMELU	Design of Power Electronic Converters
7	RAJAVEL RAHUL	Design of Power Electronic Converters

Congratulations to the students!!!



VELAMMAL
INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



DEPARTMENT OF EEE



Congrats!

NPTEL(ELITE) CERTIFIED - STUDENTS (III EEE)
JAN-APRIL 24 COURSES

COURSE TITLE : Smart Grid: Basics to Advanced Technologies



YUVASREE M



SUSMITHA P



SHAMITHA T



PAVITHRA U

COURSE TITLE : Smart Grid: Basics to Advanced Technologies

COURSE TITLE : Design Of Power Electronic Converters



LOGAPRIYA A



KARUNYA S



PERIYASWAMY ALAMELU

NPTEL CERTIFICATES



NPTEL Online Certification
 (A member of the IIT, IISc, and IIMs)

This certificate is awarded to
LEENA K P
 for successfully completing a course
Recent Global Studies in Advanced Technologies
 with an overall score of **82 %**
Online Assignments - 44 / 100 Practical Exam - 100%
 Total marks of candidates enrolled in the course: 10000

For the Institution
 For the Candidate
 For the Institute
 For the Institute

NPTEL Online Certification
 A member of the IIT, IISc, and IIMs

[illegible]



Elite

NPTEL Online Certification

(International B.A. and B.Sc.)

This certificate is awarded to

PRATIBHA J

for successfully completing the course

Statistical Quality Control and Statistical Tolerancing

with a credit score of 80 %

Online Assignment: 40 Marks Practical Exam: 40 Marks

Total number of candidates registered for course: 2485



Prof. Anand Kumar
Associate Professor
IIT Bombay

Enrollment No. 14

Enrollment Date: 14/04/2014



Prof. Anand Kumar
Associate Professor
IIT Bombay

NPTEL Online Certification





The image shows a sample NPTEL Online Certification Certificate. At the top left is the NPTEL logo, and at the top right is a small portrait of a man. The text on the certificate reads: "Elite NPTEL Online Certification", "Presented to", "Dr. Anand Kumar", "For successfully completing his course", "Super Hybrid Studies in Advanced Technologies", "with a cumulative score of 75.00 in", "Online Examinations in 2018", "Practical Tests - 40/40", and "Validation of certificate completed on 08/08/2018". The certificate is signed by the Executive Director, NPTEL, and includes the NPTEL logo at the bottom right.



The image shows a template for an NPTEL Online Certification certificate. It features the NPTEL logo on the top left, a red banner with 'NPTEL' in white, and the text 'NPTEL Online Certification' in large red letters. Below this, it says '(Awarded by NPTEL, IITs & IISc)'. The certificate is awarded to a student named 'Dr. Arun Kumar' for completing the course 'Introduction to Nanotechnology' with a score of 75. The certificate is signed by the Director, NPTEL, and the Head of the Institution, IIT Madras. The bottom of the certificate has a footer with the NPTEL logo, the text 'NPTEL Online Certification', and the website 'www.nptel.ac.in'.

[illegible]



NPTEL Online Certification

Offered by NPTEL Unit of IITM

This certificate is awarded to

Dr. Kalyan K

for successfully completing the course

Design of Power Electronic Converter

with a combined score of **80 %**

Online Assignments	11/1000	Practical Exam	50/1000
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Total number of candidates enrolled in this course - 100

For a copy of COA

(If needed, email)





Indian Institute of Technology Madras


Prof. T.S. Sridhar
Head of the Department of Electrical and Electronic Engineering
Indian Institute of Technology Madras



swayam

Website: NPTEL.IITMADRAS.ORG/COA

For any further assistance



No. of copies being printed: 2 of 2

Student's Achievements-NCAT-LABVIEW

Few of our Department students completed the LABVIEW course and attended the NCAT exams.

S.No	Name of student	NCAT / LABVIEW
1	HEMAMBIKA B	NCAT
2	MAGESHWAR P	NCAT
3	INGARSAL S	NCAT
4	Madhvesh R C	LABVIEW -92%
5	Surendhar C K	LABVIEW-92%
6	Youshies Yeswanth G	LABVIEW-88%
7	Sai Ram C	LABVIEW-92%

Congratulations to the students!!!



VELAMMAL

INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



DEPARTMENT OF EEE - MINI PROJECT EXPO

INNOVATE'24

PROJECT EXPO held ON 04-04-2024



INNOVATE 2024

S.No	BATCH ID	Batch No.	NAME OF THE STUDENT	TITLE OF PROJECT	GUIDE
1	24EEINOV001	Batch -1	Aarif Z	I-V Monitoring System in Hospital	Ms.G.Bavani
			Bala prasath P		
			Ingarsal S		
			Kamalesh S		
			Praveenkumar R		
2	24EEINOV002	Batch-2	Dineshkumar D	Charge Monitoring and Fire Protection in EV BMS System	Mr.P.Vivek
			Elanchezian K		
			Gowtham DS		
			Harish J		
			Mageshwar P		
3	24EEINOV003	Batch-3	Duvvuru Harshitha	Train accident Prevention using Ultrasonic Sensor	Ms.G.Selvamathi
			Hari priya S		
			Harsitha S		
			Lathika saran S		
			Monisha P		
			Sowmiya M		
4	24EEINOV004	Batch-4	Pavithra D	Tracking System using GPS for Bus	Ms.G.Bavani
			Karishma M		
			Jeevitha S		
			Hemalatha A		
			Hemambika B		
5	24EEINOV005	Batch -5	Rajavel Rahul	Enersteam: power-optimized smart monitoring and streaming	Dr.J.Nandha Gopal
			Shiviksan C		
			Akhilesh		
			Venkat Ragavan		
			Kamal Kumar		
6	24EEINOV006	Batch -6	Selva Ganeshan	Multi Purpose Satellite Mission for Environmental Monitoring and Atmospheric Analysis	Mr.P.Vivek
			Heptha		
			Nishanth		
			Vijay Ganesh		
			Shoban		

8	24EEINOV008	Batch -8	Pavithra	Transmission Line Fault Detection	Ms.G.Bavani
			Vaishnavi N		
			Aswini		
			Yuvasree		
			Vijayalaksmi		
9	24EEINOV009	Batch -9	Stefy	Toxic gas leakage detector using arduino	Mr.V.Subramaniyan
			Karunya		
			Alamelu		
			Arivuchudar		
10	24EEINOV010	Batch -10	Chris Madonna	Automatic Solar Tracking	Dr.R.Karthikeyan
			Amaya		
			Vidhyashree		
11	24EEINOV011	Batch -11	Shamitha	Underwater Pipe Leakage Detection System	Dr.R.Karthikeyan
			Susmitha		
			Logapriya		
			Logeshwari		
12	24EEINOV012	Batch -12	Bhavatharani B	An Efficient Automatic Solar Panel Cleaning System for Roof Top Solar PV System	Ms.G.Bhavani
			Nemika R		
13	24EEINOV013	Batch -13	Madhvesh R C	Efficient Energy Management IOT Enabled Smart Home With Power Scheduling	Mr.V.Subramaniyan
			Surendhar C K		
			Youshies		
			Yeswanth G		
14	24EEINOV014	Batch -14	Deevi Rohith Kumar	Soft Switching Multiphase Interleaved Boost Converter EV Applications	Dr.J.Nandha Gopal
			Madhappan Lokesh		
			Sai Ram C		

Students Internship

<u>S.No</u>	Student Name	Company	Internship Dates
1	Deevi Rohith Kumar	IM Gears Pvt. Ltd	Six Months (From 29.01.2024)
2	Madhappan Lokesh	IM Gears Pvt. Ltd	Six Months (From 29.01.2024)
3	Youshies Yeshwanth G	IM Gears Pvt. Ltd	Six Months (From 29.01.2024)
4	Surendhar C K	IM Gears Pvt. Ltd	Six Months (From 29.01.2024)

Students Placement

S.No	Student name	Company name	Package
1	ROHITH KUMAR DEEVI	Bharat FIH	3.07 LPA
2	LOKESH MADHAPPAN	IM Gears	2.25 LPA
3	SURENDHAR C K	IM Gears	2.25 LPA
4	YOUSHIES YESWANTH G	IM Gears	2.25 LPA
5	NEMIKA R	Petrocil Engineers 7 Consultant Pvt Ltd	3 LPA
6	MADHVESH R C	Crewire surface tech pvt ltd	2.50 LPA



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PLACED STUDENTS DETAILS FOR 2020 –2024 BATCH



Deeui Rohit Kumar
IM Gears / 2.25LPA
Bharat FIH Limited / 3.07 LPA



Madhappan Lokesh
IM Gears / 2.25 LPA



Youshies Yeshwanth G
IM Gears / 2.25 LPA



Surendhar C K
IM Gears / 2.25 LPA



Nemika R
Petrocil Engineers &
Consultancy Pvt Ltd., / 3 LPA



Madhuesh R C
Corewire Surface
Technology Pvt Ltd., / 3.54 LPA

Students Scholarship

Founder Chairman Scholarship

S.No	Name	CGPA
Batch 2020-2024		
1.	Deevi Rohith Kumar	8.93
2.	Nemika R	8.52
Batch 2021-2025		
3.	Chris Madonna F	9.06
4.	Amaya M	8.53
5.	Rajavel Rahul	8.83
6.	Selvaganeshan M	8.50
7.	Venkat Ragavan D	8.70



DEPARTMENT OF EEE - FOUNDER CHAIRMAN SCHOLARSHIP

Founder chairman scholarship Benefited Students



Deevi Rohith Kumar - IV EEE



Nemika.R - IV EEE



Chris Madonna F - III EEE



Amaya M - III EEE



Rajavel Rahul - III EEE



Selvaganeshan M- III EEE



Venkat Ragavan D- III EEE

CERTIFICATES





DEPARTMENT OF EEE - ANNA UNIVERSITY RANK HOLDERS

Top 10 Anna University Rank Holders of (2019-23 Batch)



ANNA UNIVERSITY CHENNAI :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Rank List April / May 2023 Examinations

Degree & Branch		B.E. Electrical and Electronics Engineering	Total No. of students Passed	3203	Rank Eligibility	23
S.No	Reg Number	Student Name	Institute Name	CGPA	Class	Rank
1	Y19EE0001	SHANU K	PRI INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	9.45	PWD	1
2	Y19EE0002	SRUTHI K	PRI INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	9.45	PWD	2
3	W23EE0001	SHAKA	ARUNACHAL COLLEGE OF ENGINEERING FOR WOMEN	9.42	PWD	3
4	W23EE0002	SHARATHA K	UNIVERSITY COLLEGE OF ENGINEERING, KALLICOPPE	9.38	PWD	4
5	Y19EE0003	SURUTHI I	VELAMMAL INSTITUTE OF TECHNOLOGY	9.36	PWD	5
6	Z19EE0001	KANAKSHI SREE SH	U W COLLEGE OF ENGINEERING	9.35	PWD	6
7	W23EE0003	KOCHAKKUNTHAN	PRI INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	9.35	PWD	7
8	Y19EE0004	MAHESH K	PRI INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	9.35	PWD	8
9	W23EE0004	SHAKA J K	ARUNACHAL COLLEGE OF ENGINEERING FOR WOMEN	9.33	PWD	9
10	W23EE0005	SHARATH K	TAMILNADU GOVT INSTITUTE OF TECHNOLOGY	9.30	PWD	10
11	W23EE0006	SHARATH	ARUNACHAL COLLEGE OF ENGINEERING FOR WOMEN	9.28	PWD	11
12	Y19EE0005	SHANU	PRI INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	9.25	PWD	12
13	W23EE0007	SHARATH	V V COLLEGE OF ENGINEERING	9.25	PWD	13
14	W23EE0008	SHARATH	ARUNACHAL COLLEGE OF ENGINEERING FOR WOMEN	9.25	PWD	14
15	W23EE0009	SHARATH	ARUNACHAL COLLEGE OF ENGINEERING FOR WOMEN	9.25	PWD	15

Congrats!



SURUTHI I

9.36 CGPA - 5th Rank



GEETHIKA K

9.28 CGPA - 10th Rank



VELAMMAL

INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



DEPARTMENT OF EEE -ALUMNI INTERACTION

Alumni Interaction "Higher Studies & Job Opportunities in US" - Held on 17-03-2024 for II,III & IV Year EEE

VELAMMAL
INSTITUTE OF TECHNOLOGY
Approved by AICTE, Affiliated to Anna University, Chennai
Established in 1984

TNEA
RANK 1237

2024-25
DEPARTMENT OF EEE

ALUMNI INTERACTION

Higher Studies & Job opportunities in United States

Mr. Jaswanth M.A.
Batch: 2014-2016 (AI)-Tech Hub
Hardware Design Engineer,
Schwalzer Engineering Lab,
Pullman, Washington, US

Date: 17-03-2024
Time: 10:30 AM - 11:30 PM
Target Audience: II, III & IV Year EEE
Google Meet Link:
<https://meet.google.com/abc-def-ghi>

Dept. Alumni Coordinator: 8009-0300
Mr. P. Senthil Kumar
Vice-Principal: Dr. S. Senthil Kumar
Principal: Dr. K. Senthil Kumar

Register at:
www.velammaltech.edu.in





VELAMMAL

INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



DEPARTMENT OF EEE -ALUMNI MEET²³



Alumni 2012 to 2016
Meet '23



Faculty Participation

S.No	NAME OF THE FACULTY	COURSE TITLE	CERTIFIED BY	CERTIFICATION DATE
1	Mr.K.Kaliagurumoorth	FDP on "Big Data Analytics in Smart Grid"	NITTTR, Chandigarh	12.02.2024-16.02.2024
		FDP on "Management Skills for Professional Teachers Excellence"	NITTTR, Chandigarh	19.02.2024 – 23.02.2024
2	Ms G Bavani	FDP on "Arduino based system design using Tinker CAD Free Simulator"	NITTTR, Chandigarh	05.02.2024 – 09.02.2024
3	Mr P Vivek	NPTEL Workshop	IC & SR Auditorium, IIT Madras	20.01.2024
4	Dr.R.Karthikeyan	FDP on "Integration of Automotives and Smart Mechatronics System for Sustainable Mobility"	KCG College of Technology	31.01.2024 – 04.02.2024
5	Mr P Vivek	FDP on "Exploring Teaching Strategies and research scope in renewable energy sectors"	Hindusthan College of Engineering and Technology	02.01.2024 – 06.01.2024
		FDP on "EV Design"	Pantech E Learning	29.01.2024 – 03.02.2024
		FDP on "Advancement in Electrical and Electronics Sciences- Yesterday, Today and Tomorrow"	Sri Venkateswara College of Engineering and Technology	26.03.2024 – 30.03.2024

Faculty Participation

6	Mr.V.Subramaniyan	FDP on “Big Data Analytics in Smart Grid”	NITTTR, Chandigarh	12.02.2024- 16.02.2024
		FDP on “Integration of Automotives and Smart Mechatronics System for Sustainable Mobility”	KCG College of Technology	31.01.2024 – 04.02.2024
7	Ms.G.Selvamathi	Six Days Faculty Development Program On “Employability Skills”	Naan Mudhalvan	11.03.2024 - 16.03.2024

Faculty Conference

<u>S.No</u>	Name of Faculty	Title of paper	Title of conference	Place of conference	Date of Conference
1	V. Subramaniyan	Efficient Energy Management of IoT Enabled Homes with Power Scheduling	Proceedings of 5th International Conference on Computational Intelligence and Industry 5.0 (ICCII '24)	Velammal Institute of Technology, Chennai	03.04.2024
2	G. Bavani	An Efficient Automatic Solar PV Panel Cleaning System for Roof-Top Solar Panel	Proceedings of 5th International Conference on Computational Intelligence and Industry 5.0 (ICCII '24)	Velammal Institute of Technology, Chennai	03.04.2024
3	Dr. J. Nandha Gopal,	Green Mobility Solutions: Designing a Soft-Switching Multiphase Interleaved Boost Converter For EVS	Proceedings of 5th International Conference on Computational Intelligence and Industry 5.0 (ICCII '24)	Velammal Institute of Technology, Chennai	03.04.2024

Faculty Journal Publication

<u>S.No</u>	Staff Name	Title of the Paper	Journal Name	Publication Details(volume no/issue no/page/month& year)	Scopus/Science Index/Annexure I/UGC
1	S.MuthuKaruppasamy	Efficient Integration of Photovoltaic cells with multiport converter for enhanced energy harvesting	Proceedings of 5th International Conference on Inventive Research in computing Applications (ICIRCA 2023)	5th International Conference on Inventive Research in Computing Applications, ICIRCA 2023; Coimbatore; India; 3 August 2023 through 5 August 2023; Category number CFP23N67-ART; Code 1920761590-1595, August 2023	Scopus(IEEE conference)
2	S.MuthuKaruppasamy	Integrating MPPT and Artificial Neural Networks for Efficient DC-DC and DC-AC Conversion in Photovoltaic Applications	SSRG International Journal of Electrical and Electronics Engineering	Volume 10, Issue 8, August 2023, Pages 51-61	Scopus
3	S.MuthuKaruppasamy	Modeling of Energy Generation Using Piezoelectric Material for Wearable Devices	SSRG International Journal of Electrical and Electronics Engineering	Volume 10, Issue 9, September 2023, Pages 101-111	Scopus
4	S.MuthuKaruppasamy	Predictive Modeling of Power System Contingencies with SVMs and FACTS Devices for Enhanced Stability	SSRG International Journal of Electrical and Electronics Engineering	Volume 10, September 2023, Pages 112-123	Scopus
5	S.MuthuKaruppasamy	A Symmetric Multi-Level Cascaded H-Bridge Inverter for Renewable Energy Integration	International Journal of Electrical and Electronics Research	Volume 11, Issue 4, 1 October 2023, Pages 939-943	Scopus
6	S.MuthuKaruppasamy	Performance investigations of five-level reduced switches count H-bridge multilevel inverter	Electrical Engineering & Electromechanics	Volume 2023, Issue 6, 21 October 2023, Pages 58-62	Scopus

Faculty Book chapter

Staff Name	Title of the Manuscript	Title of Book chapter	Publishers of Book chapter	Date of publications	Staff Name
1	S.MuthuKaruppasamy	A Review of Green IT, Computing-Enabled, Sustainability-Based Cities: Nurturing Living Standards	Green Computing for Sustainable Smart Cities A Data Analytics Applications Perspective	20-37;May 2024	Scopus

Faculty Excellence

Mr P Vivek has awarded as Active SPOC & Special category award as **ASPIRANT** for the SWAYAM NPTEL Local Chapter in the Jan-April 2024 Semester.



Faculty Patent Grant/Publications

S.No	Name of Staff	Title of Patent	Grant/ Publication	Patent No	Date of patent published
1	G. Bavani	Semantic Multilinear Component Analysis Feature Extraction Based Distributed Denial-Of-Service (Ddos) Attacks Detection In Software Defined Networks	Publication	202441022602 A	29.03.2024

Congratulations to the Faculty Member!!!



Thank You