



Annamalai



University



Faculty of Engineering and Technology

Department of Electrical Engineering



**Newsletter
2021-2022**

EDITORIAL - IN - CHIEF

Dr. I. A. Chidambaram, Professor / EEE

Editorial Members

Dr. M. Mohammed Thameem Ansari, Professor/EEE

Dr. R. Kannan, Associate Professor/EEE

Dr. S. Sasikumar, Associate Professor/EEE



INAUGURAL FUNCTION

ANNAMALAI UNIVERSITY
FACULTY OF ENGINEERING AND TECHNOLOGY
Department Of Electrical Engineering
ELECTRICAL ENGINEERING ASSOCIATION (EEA)
THE INSTITUTION OF ENGINEERS (INDIA) STUDENT'S CHAPTER (IEI)
cordially invite you to attend the
Inaugural Function of Association activities and
"FRESHERS WELCOME"
2021-2025 Batch
B.E. ELECTRICAL AND ELECTRONICS ENGINEERING Students

DATE : 24th December of 2021 (Friday)
TIME : 3:30 pm
VENUE : AU69 Golden jubilee FEAT HALL

CHIEF GUEST
Dr. N. SIVAKUMARAN
Professor, Department of Instrumentation And Control Engineering, NIT Trichy
Will be guest of honour and delivering the inaugural address

Dr. S. SUBRAMANIAN
Professor / Head of Department
Will preside over the function

FACULTY MEMBERS AND STUDENTS OF DEPARTMENT OF
ELECTRICAL ENGINEERING



Department of Electrical Engineering organized an Inaugural function of the EEE Student Association Activities and Fresher's welcome on 24th December 2021. Chief guest **Dr. N. Sivakumaran, Professor, Department of Instrumentation and Control Engineering , NIT Trichy**, Introduced the Newly Elected office bearers and delivered the special address to the gathering. He motivated the students to involve in various technical activities and how to pursue knowledge in Electrical Engineering field both theoretically & practically.

INDUCTION PROGRAM

ANNAMALAI UNIVERSITY
 (Accredited with 'A' Grade by NAAC)

**FACULTY OF ENGINEERING AND TECHNOLOGY
 DEPARTMENT OF ELECTRICAL ENGINEERING**

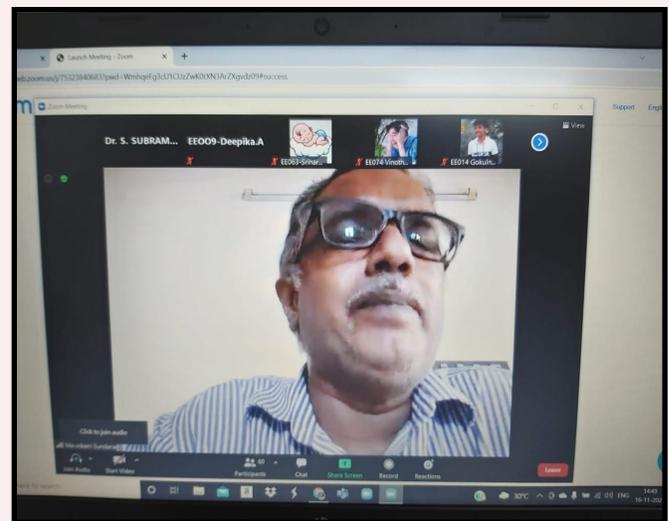
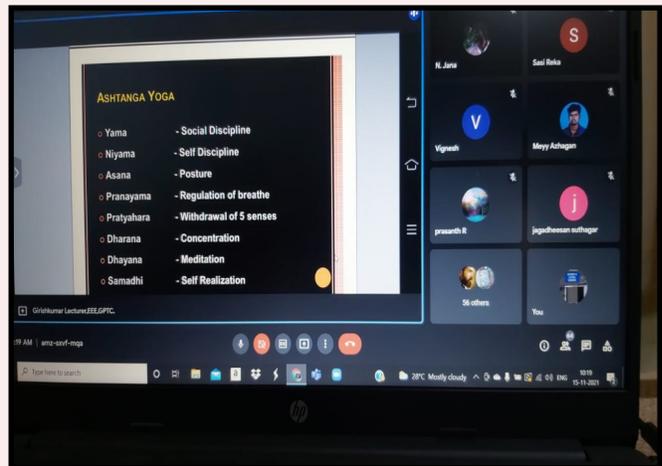
INDUCTION PROGRAM

for

I Year B.E (Electrical & Electronics) Students

15 Nov 2021	10.00-11.00 am	<p>Special Lecture on "YOGA" by Mr. G. Girishkumar. D.EEE.,B.E.,PGDY.,MSc.Yoga.,M.E(P.S.), (Ph.D). Lecturer(AB), Department of EEE Government polytechnic College kooduvveli, Kattumannarkoil, Cuddalore district. Email: girishcdmau@gmail.com Mobile: 7708078822.</p>
16 Nov 2021	2.00-3.00 pm	<p>Expert Lecture on " Human Values" by Dr. S. MANICKAM. B.E(Manu),M.E.,Ph.D. Professor of Manufacturing Engineering Annamalai University</p>
18 & 19 Nov 2021	9.00-10.00 am	<p>Special Lecture on "Communication Skills" by Dr. P. PREM CHANDER. M.A.,M.Phil.,Ph.D. Assistant Professor in English Annamalai University</p>

Dr. S. Subramanian
 HOD / Electrical Engg.



150th Ph.D.

ANNAMALAI UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

PhD Public Viva-Voce Examination

150th Ph.D of the Department
28-02-2022
TIME: 11.30AM

DEPARTMENT OF ELECTRICAL ENGINEERING

Name: V. Shanmugam.
Roll No.: 1634080002.
Title: Power System State Estimation Using Meta Heuristics Considering Data Attacks.

Supervisor
Dr. S.Ganesan
Associate Professor
Deputed to GCE Salem

Venue: AU 69 FEAT Golden Jubilee hall HDEE

All are invited



150th Ph.D viva-voce Examination of the Electrical Engineering Department held on 28.02.2022.

Candidate V. Shanmugam (Roll No.1634080002).

Research Supervisor : Dr.S.Ganesan Associate Professor.

Examiner : Dr. G. V. SivaKrishnarao, Professor Department of Electrical Engineering, Andhra University, Visakapatnam.

Research Papers Published 2021-2022

No	Name of the Scholar	Title	Where Published
1.	<u>Srinivasa Acharya, Ganesan Sivarajan, D. Vijayakumar and Subramanian Srikrishna</u>	Srinivasa Acharya, Ganesan Sivarajan, D. Vijayakumar and Subramanian Srikrishna, "A hybridized approach for design and optimization of combined economic emission dispatch", <i>ENERGY SOURCES, PART B: ECONOMICS, PLANNING AND POLICY</i> , Volume 16, Number 8, Sep 2021, pp.1-27.	<u>TAYLOR AND FRANCIS</u> Energy Sources, PART B: Economics, Planning and Policy
2.	<u>Srinivasa Acharya, Ganesan Sivarajan, D. Vijayakumar and Subramanian Srikrishna</u>	Srinivasa Acharya, Ganesan Sivarajan, D. Vijayakumar and Subramanian Srikrishna, "A multi- objective multi -verse optimization algorithm for dynamic load dispatch problems", <i>Knowledge based systems</i> , Volume 231, Number 107411, Aug 2021, pp.1-18.	<u>ELSEVIER</u> Knowledge Based systems
3.	<u>Yogambari. V, Arun Nambi Pandian, Aravindhababu.P.</u>	A simple and Efficient Power Flow for Distribution Networks, Jan 2022.	<u>SPRINGER</u> Technology and Economics of smart grid and sustainable energy
4.	<u>E.Prakash and I.A.Chidambaram</u>	E.Prakash and I.A. Chidambaram, "Optimized 2DOF-PIDN Controller Based AGC System of a Multi-Source Thermal-Hydro-Wind Interconnected Restructured Power System". <i>Vidyabharati International interdisciplinary Research Journal</i> ISSN:2319-4979, <i>Special Issue on Recent Research Trends in Management, Science and Technology</i> Volume 1, Number 1 Aug 2021, pp.248-260, 2021.	Vidyabharati International interdisciplinary Research Journal
5.	<u>K. Kalpana and M. Mohamed Thameem Ansari</u>	K. Kalpana and M. Mohamed Thameem Ansari, "Optimized Frequency and power Control Strategy for Hybrid Energy System." <i>Vidhyabharati International Interdisciplinary Research Journal</i> , Volume 3, Number 1, Aug	Vidhyabharati International Interdisciplinary Research Journal

Research Papers Published 2021-2022

No	Name of the Scholar	Title	Where Published
6.	<u>Thamaraiselvi Arivazhagan, Subramanian Srikrisha,Naveenkumar Kaliyan,Ganesan Sivarajan</u>	Thamaraiselvi Arivazhagan, Subramanian Srikrishna,Naveenkumar Kaliyan,Ganesan Sivarajan “State Estimation with trusted PMU Placement of Distribution system Involving Renewable Energy Sources”, <i>International Journal of Engineering business Management</i> , 2022.	<u>SAGE</u> International Journal of Engineering business Management
7.	<u>Thamaraiselvi Arivazhagan, Subramanian Srikrishna,Naveenkumar Kaliyan,Ganesan Sivarajan</u>	Thamaraiselvi Arivazhagan, Subramanian Srikrishna,Naveenkumar Kaliyan,Ganesan Sivarajan, “ Optimal PMU Placement using sea lion optimization for adaptable Distribution system, <i>Journal of Measurements in Engineering</i> , Vol.10 (1),pp.38-45,2022.	Journal of Measurements in Engineering
8.	<u>Umadevi. A, L.Lakshminarasimman</u>	Umadevi.A,L.Lakshminarasimman, “Optimal Tuning of PI Controller with MPPT for Interharmonics Suppression using MSCA in PV system”, <i>journal of Harbin institute of technology</i> , Vol.54 (5),2022.	Journal of Harbin Institute of Technology
9.	<u>Umadevi.A, L.Lakshminarasimman</u>	Umadevi.A,L.Lakshminarasimman, “Interharmonics Estimation Using hybrid Multi sine Cosine Algorithm”, <i>International Journal of Nonlinear Analysis and Applications</i> ,2022.	International Journal of Nonlinear Analysis and Applications
10.	<u>Srivishnupriya Arumugasami Pavadaisami, Mohamed Thammem Ansari Musthafa, Vinoth kumar Natanmai Jeganathan</u>	Srivishnupriya Arumugasami Pavadaisami, Mohamed Thammem Ansari Musthafa, Vinoth kumar Natanmai Jeganathan, “Particle Swarm Optimization Based Dual – Mode Fractional Order Control for Automatic Generation Control of Two Area Interconnected Hybrid System”, <i>International Journal of Intelligent Engineering and Systems</i> ,Vol.15, Nov.4,2022.	International Journal of Intelligent Engineering and Systems

Research Papers Published 2021-2022

No	Name of the Scholar	Title	Where Published
11.	<u>Santhosh B.S.S,</u> <u>Mohamed Thameem</u> <u>Ansari.M,Kantarao.P</u> <u>and Kusuma.G</u>	“ Power Loss Analysis of Traditional PV Array Configurations under different Shading conditions” <i>International Journal of Renewable Energy Research</i> , Vol.12, No.2, June 2022.	International Journal of Renewable Energy Research
12.	<u>Yogambari. V,</u> <u>Kongati Srilakshmi, Aravindhababu.P.</u>	“Modified Soccer game optimization and its application on power flow and distribution Generation placement problems of distribution systems” <i>Evolutionary Intelligence</i> , 2021.	Evolutionary Intelligence
13.	<u>Kongati Srilakshmi,</u> <u>Yogambari. V,</u> <u>Aravindhababu.P.</u>	“ Soccer league optimization for load flow analysis of power systems” <i>International Journal of Numerical Modeling</i> , Vol.35, No.2, Oct 2021.	International Journal of Numerical Modeling

EMPLOYABILITY ENHANCEMENT TRAINING PROGRAMME



ANNAMALAI UNIVERSITY

EMPLOYABILITY ENHANCEMENT TRAINING PROGRAMME

*a 4 day training programme by experts
to improve soft skills, basic aptitude & reasoning of the students of AUFET
December 13th – 16th, 2021 at AUFET Campus*

Sponsor

SUPER AUTO FORGE

in association with
Annamalai University Alumni Association, AUAA – Chennai Chapter
& Placement & Training cell, Faculty of Engineering & Technology
an initiative of the batch of AUFET 93



GREEN CAMPUS



ANNAMALAI UNIVERSITY
FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL ENGINEERING
E&T and BT students chapter of Electrical Engineering jointly organize a
"GREEN CAMPUS"
On 24th November 2021

CHIEF GUESTS
Dr. S. SUBRAMANIAN
Head of the Department

Dr. R. ASHOK KUMAR
Professor

Dr. G. BALAMURUGAN
Professor

INCHARGE
Dr. M. ANITHA
Convener/ Professor

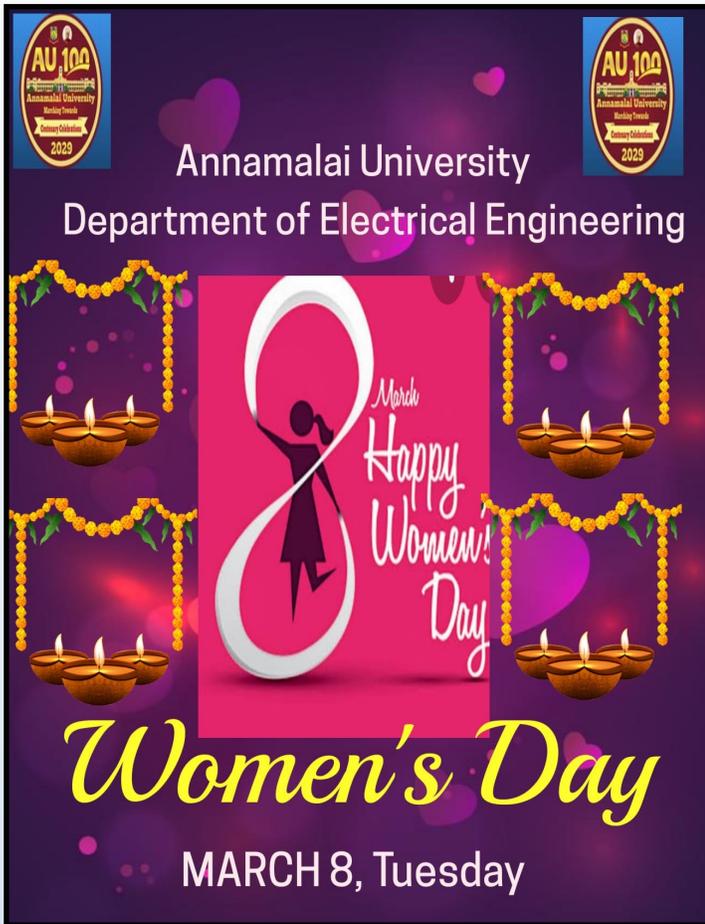
ORGANISED BY
Office Bearers
All are cordially invited



A group of staff and students are standing in a hallway, holding a banner that reads "Annamalai University Green Campus". The banner also mentions the Department of Electrical Engineering and the date of the event, November 24, 2021.

Tree Plantation day Conducted in the Department of Electrical Engineering on November -24th 2022.

WOMEN'S DAY



Women's Day Celebrations in the Department of Electrical Engineering held on 08th March 2022.

ELECTRO SPORTS - 2022



Department of Electrical Engineering conducted The sports extravaganza “Electro Sports” for the students during 07,08 & 09 April - 2022. The students participated various sports events like Throw Ball, Volley Ball, Foot Ball, Basket Ball, Badminton, Cricket, Chess and Kabadi. The chief guest is T.C. Arul (President of Arul Badminton Club) in Presence of Dr. S. Subramanian Prof & Head Department of Electrical Engineering and the Co-Ordinators are Dr. K. Gayathri & Mr. J. Thillaivanan.

Industrial Visit-2022



The final year (EEE) students are ventured in to an industrial visit on 01.06.22 - 03.06.22 to Kerala. During the visit, they have visited Pallivasal Power Generation House (37.5 MW), where they had a great opportunity to see the real time operation of turbines and alternators. Next day, students are dropped at Traco Cable Company Limited (A Government of Kerala Company). The industrial experts explained the manufacturing process of various types of cables to our students. During evening, students have spent their timings in sight seeing and other entertainments.

Substation Visit -2022



11 - 12 May 2022 Third year students visited the 33/11kv substation located in Annamalai University. During the visit Professor B.Baskaran, Professor of Electrical Engineering demonstrated the operations of various Electrical components to students. About 85 students participated in the program.

Academic/Research Progress

1. No of Students Placed in Companies 55
2. No of Students attended Internship Program : 170
- 3.No of B.E Projects :19
- 4.No of M.E Projects : 2
- 5.No of PhD Dissertations Awarded : 12
6. No of Students PhD Methodology Completed: 7
7. Number of Students admitted in Research : 20
- 8.No of Research (Web of Science) Articles by Faculty : 13
- 9.No of Research Projects Sanctioned : 1

VALEDICTORY FUNCTION



Department of Electrical Engineering organized **Valedictory function** of the EEE Student association activities on **29th June 2022**.

Chief guest **Dr.K.Selvakumar, Professor & Head, Department of Information Technology, Annamalai University** .

Conveners **Dr.M.Anitha & Dr.K.Gayathri** were present.

The Chief Guest distributed the Certificates and Medals for the prize winners of Electro Sports.

NATIONAL BOARD OF ACCREDITATION—2022

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003
NATIONAL BOARD OF ACCREDITATION
4th Floor, East Tower, NBCC Place, Bhisam Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003



F.No- 33-383/2018-NBA

Date: 09-06-2022

To
The Dean
Faculty of Engineering & Technology,
Annamalai University,
Annamalainagar- 608 002,
Cuddalore, Tamil Nadu

Subject: Accreditation status of programs applied by Faculty of Engineering & Technology, Annamalai University, Annamalainagar- 608 002, Cuddalore, Tamil Nadu.

Sir,

This has reference to your application I.D. No. 4609-15/09/2021 seeking accreditation by National Board of Accreditation to UG Engineering programs offered by Faculty of Engineering & Technology, Annamalai University, Annamalainagar- 608 002, Cuddalore, Tamil Nadu.

2. An Expert Team conducted onsite evaluation of the programs from 6th to 8th May, 2022. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Chemical Engineering	Tier-I January 2016 Document	Accredited	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Computer Science & Engineering		Accredited		
3.	Electrical & Electronics Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for 3 years. Faculty of Engineering & Technology, Annamalai University, Annamalainagar- 608 002, Cuddalore, Tamil Nadu should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Faculty of Engineering & Technology, Annamalai University, Annamalainagar- 608 002, Cuddalore, Tamil Nadu as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

Contd./...