



ENLYTUS –Monthly Newsletter

August'20 Edition

AT A GLANCE

- **Department Activities**
- **Faculty Achievements/Activities**
- **Student Achievements/Activities**



Vision of Department:

To be an exemplary department in Electrical Engineering to facilitate value imbibed quality professionals.

Mission of Department:

1. Impart state of the art knowledge in Electrical and Electronics Engineering Field.
2. Inculcate the culture of research and lifelong learning.
3. Facilitate the professionals with commitment towards Social & Ethical Values.

Programme Educational Objectives:

1. Graduates will handle the modern tools and take diverse career paths / research / higher education.
2. Graduates will excel with managerial and leadership qualities.
3. Graduates will have skills to work in teams with integrity & ethical values.

Programme Specific Outcomes:

1. Graduates will be able to analyze design and provide engineering solutions in the areas related to Power Electronics, Drives, and Power Systems.
2. Graduates will be able to apply domain specific knowledge to provide solutions in the areas related to Control & Automation and Electrical system Design

DEPARTMENT ACTIVITIES

SHORT TERM TRAINING PROGRAM

The Department of Electrical and Electronics Engineering Organized online Short Term Training Programme for Plus one and Plus Two students on **ELECTRICAL VEHICLE AND RENEWABLE ENERGY-CAREER PROSPECTS** on August 22/08/20 and 23/08/20 .The event was organized and the respective sessions were handled by Dr Jeno Paul (Professor), Dr Tony George (Associate Professor),Mr Sijo George(Asst Professor),Mr Sreehari S (Asst Professor)and Mr Alan Mathew George (Asst Professor)of EEE Dept).

**Adi Shankara**
INSTITUTE OF ENGINEERING AND TECHNOLOGY



Electrical & Electronics Engineering

In Association With  INSTITUTION'S INNOVATION COUNCIL



Announces FREE Online Short Term Training Programme (STTP)
ELECTRIC VEHICLE & RENEWABLE ENERGY - CAREER PROSPECTS

Scan Me:



DATE :22/8/2020 & 23/8/2020
TIME:10 AM TO 12:30 PM

Free Registration
E-Certificates to all active participants
Target Audience : Plus one and Plus Two students
Reg Link: <https://forms.gle/Lh5XNcHvLQaTGQxV6>
[Speaker Profiles](#)



Google Meet



Dr.Jeno Paul
Professor
Dept. of EEE
ASIET



Dr.Tony George
Associate Professor
Dept. of EEE
ASIET



Prof. Sijo George
Assistant Professor
Dept. of EEE
ASIET



Prof. Sreehari S
Assistant Professor
Dept. of EEE
ASIET



Prof. Alan Mathew George
Assistant Professor
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Contact
Prof.Gomathy S,HOD EEE,ASIET PH:9447710028
Prof. Sreehari S,Asst. Prof,EEE,ASIET PH:8921541654



ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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ALUMNI WEBINARS

Ms Anna Baby,Asst Professor of EEE Department Successfully Coordinated Alumni Webinars for the students of all batches from first Year to final Year on the topic Testing of power transformers at Substations by Er. Ben Antony on 01/08/20


Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



Dept. of Electrical & Electronics Engineering
 Presents

CONNECT

 Alumni Talk Series



Er. Ben Antony,
 (Batch 2001-05)
 Assistant Engineer,
 KSEBL

Webinar on

Testing of Power Transformers at Substations.

Register now:
bit.ly/PowerTransformerTesting
 1st August, 2020 | 6:00 - 7:00PM






DEPARTMENT ACHIEVEMENTS

- Department of EEE developed a new Vehicle Battery Charging Unit (Deep Discharge Battery Charger) under the guidance of Professor Gomathy S (HOD,EEE) ,Dr P.Jenopaul and Mr Lyson John with the support of the Final Year EEE students Mr.Bhagat Sivasadas,Mr Abhay U and Ms. Daliya Joseph by modifying a Conventional Home Inverter. This modified battery charger can be connected to 12 V batteries with the rating of 7AH to 220 AH.After the charging process the same can be used as normal inverter.

ബാറ്ററി ചാർജ് ചെയ്യാൻ നൂതന ഉപകരണവുമായി വിദ്യാർത്ഥികൾ



കാലടി വാഹനങ്ങളിലെയും മറ്റും ഉപയോഗശൂന്യമാകാറായ ബാറ്ററികൾ വീണ്ടും ചാർജ് ചെയ്ത് ഉപയോഗിക്കാനാകുന്ന ഉപകരണം വികസിപ്പിച്ചെടുത്തിരിക്കുകയാണ് കാലടി ആദിശങ്കര എൻജിനീയറിംഗ് കോളജിലെ വിദ്യാർത്ഥികൾ. ഇലക്ട്രിക്കൽ എൻജിനീയറിംഗ് വിഭാഗത്തിലെ മൂന്നാം വർഷ വിദ്യാർത്ഥികളായ ഭഗത് സിവാസാദ, യു. അഭയ് കുമാർ, ഡാലിയാ ജോസഫ് എന്നിവർ ചേർന്നാണ് ഡീപ്പ് ഡിസ്ചാർജ് ബാറ്ററി ചാർജർ എന്ന ഉപകരണം വികസിപ്പിച്ചെടുത്തത്. ഗാർഹിക ഇൻവെർട്ടറിൽ ചില മാറ്റങ്ങൾ വരുത്തിയാണ് ബാറ്ററി ചാർജിംഗ് യൂണിറ്റ് രൂപകൽപ്പന ചെയ്തിരിക്കുന്നത്.

കോവിഡ് കാലത്ത് വിദ്യാഭ്യാസ സാഹചര്യങ്ങളിൽ ബസ് ഓൾ ട്രൈപ്പോസ്റ്റർ വാഹനങ്ങൾ നിർമ്മാണത്തിനായി കഴിഞ്ഞിട്ടില്ല. അതുകൊണ്ട് വാഹനങ്ങളിലെ ബാറ്ററികൾ നശിച്ചു പോകുകയാണ്. ഇതിന് ഒരു പരിഹാരം കാണുന്നതിനായാണ് വിദ്യാർത്ഥികൾ ചാർജിംഗ് യൂണിറ്റ് വികസിപ്പിച്ചത്. ഇന്ന് പ്രചാരത്തിലുള്ള ചാർജിംഗ് യൂണിറ്റ് അധിക ചെലവ് എത്ര ബാറ്ററി വേണമെങ്കിലും ഇത് ഉപയോഗിച്ച് ചാർജ് ചെയ്യാനാകും. ഏഴ് എഫ്എച്ച് മുതൽ 220 എഫ്എച്ച് വരെയുള്ള 12 വോൾട്ട് ബാറ്ററികൾ ഇത് ഉപയോഗിച്ച് ചാർജ് ചെയ്യാൻ സാധിക്കും. വകുപ്പ് റേഡിയോ പ്രഫ. എസ്. ഗോമതി, ഡോ. ജിനോ പോൾ, ടെക്നിക്കൽ സ്റ്റാഫ് ലൈസൺ ജോൺ എന്നിവർ നേതൃത്വം നൽകി.

പുർണ്ണമായും ചാർജ് തീർന്ന ബാറ്ററികൾ പോലും ഈ സംവിധാനം ഉപയോഗിച്ച് പ്രവർത്തനക്ഷമമാക്കാനെയാണ് പ്രത്യേകതയെന്ന് വിദ്യാർത്ഥികൾ പറയുന്നു. കോളജ് മാനേജ്മെന്റിന്റെ സഹകരണത്തോടെ ഇത് പൊതുജനങ്ങൾക്കും കൂടി ഉപകാരപ്രദമാക്കാനുള്ള തയ്യാറെടുപ്പിലാണ് വിദ്യാർത്ഥികൾ.

Sun, 23 August 2020
<https://epaper.deepika.com/c/54413978>

ബാറ്ററികൾ വലിച്ചെറിയേണ്ട, ചാർജ് ചെയ്യാൻ വഴിയുണ്ട്



കാലടി രക്ഷ വിദ്യാർത്ഥികളായ ഭഗത് സിവാസാദ, യു. അഭയ് കുമാർ, ഡാലിയാ ജോസഫ് എന്നിവർ ചേർന്നാണ് ഡീപ്പ് ഡിസ്ചാർജ് ബാറ്ററി ചാർജർ എന്ന ഉപകരണം വികസിപ്പിച്ചെടുത്തത്. ഗാർഹിക ഇൻവെർട്ടറിൽ ചില മാറ്റങ്ങൾ വരുത്തിയാണ് ബാറ്ററി ചാർജിംഗ് യൂണിറ്റ് രൂപകൽപ്പന ചെയ്തിരിക്കുന്നത്. ഇന്ന് പ്രചാരത്തിലുള്ള ചാർജിംഗ് യൂണിറ്റ് അധിക ചെലവ് എത്ര ബാറ്ററി വേണമെങ്കിലും ഇത് ഉപയോഗിച്ച് ചാർജ് ചെയ്യാനാകും. ഏഴ് എഫ്എച്ച് മുതൽ 220 എഫ്എച്ച് വരെയുള്ള 12 വോൾട്ട് ബാറ്ററികൾ ഇത് ഉപയോഗിച്ച് ചാർജ് ചെയ്യാൻ സാധിക്കും. വകുപ്പ് റേഡിയോ പ്രഫ. എസ്. ഗോമതി, ഡോ. ജിനോ പോൾ, ടെക്നിക്കൽ സ്റ്റാഫ് ലൈസൺ ജോൺ എന്നിവർ നേതൃത്വം നൽകിയത്.

ACADEMIC ACTIVITIES

- The online Mock Interview for 2017-21 Batch was conducted from 10th August to 14th August by a panel of faculty experts from the department along with HOD Ms Gomathy S
- CDM presentation by the faculties conducted online in the presence of HOD Ms Gomathy S and IQAC Coordinator Ms Nayana J.
- Bridge Classes for second and third year Students conducted during the second Week of August
- New Semester Commenced for all the batches on the Online Platform from 17/08/20

IEEE/IAS/PES ACTIVITIES

- Organized Webinar on “Experience On Practical Engineering” on 01.08.2020.



STAFF ACHIEVEMENTS

FDP'S AND WEBINARS ATTENDED

Ms GOMATHY S

- Participated in the one day Faculty Development Program on “Guidelines for Genuine Evaluation of Examination Answer Sheets” Organized by the Department of Electrical and Electronics Engineering, Ahalia School of Engineering and Technology, Palakkad in association with the Indian Society for Technical Education (ISTE) – Ahalia Palakkad Chapter on August 16, 2020
- Attended Intersociety Weekly Webinar Series on Intersociety Weekly Webinar Series Talk Webinar on “Brain Health”Dr. Malla Bhaskara Rao 5 Aug 2020 Wednesday at 6.00 pm Jointly Organized by:The Institution of Engineers (India) Kerala State Centre – IE(I)Computer Society of India Trivandrum Chapter – CSI Project Management Institute, Kerala Chapter – PMI Internet Society, Trivandrum Chapter – ISOC Vakkom Moulavi Foundation Trust, Trivandrum – VMFT IEEE Engineering in Medicine and Biology Kerala Chapter – EMBS
- Attended Intersociety Weekly Webinar Series on Intersociety Weekly Webinar Series Talk Webinar on “Brain Health”Dr. Malla Bhaskara Rao 5 Aug 2020 Wednesday at 6.00 pm Jointly Organized by:The Institution of Engineers (India) Kerala State Centre – IE(I)Computer Society of India Trivandrum Chapter – CSI Project Management Institute, Kerala Chapter – PMI Internet Society, Trivandrum Chapter – ISOC Vakkom Moulavi Foundation Trust, Trivandrum – VMFT IEEE Engineering in Medicine and Biology Kerala Chapter – EMBS
- Conducted online mock technical interview based on Basics of Electrical and Electronics Engineering for 2017 admission from 10th August to 14th august scheduled via Google Platform with a panel of faculty experts from the department.
- Conducted on line class for S3 students from August 17th.

- Organized an outreach program for plus two students on electrical vehicle and renewable energy on August 22nd and 23rd with the support of faculty.
- Attended an Alumni talk on Testing of Power Transformers at Substations by Er. Ben Antony, Assistant Engineer, KSEBL organized by our department on 01/08/20.
- Developed a deep discharge battery charger with the support of the final year students Abhay Krishna, , Daliya Joseph, Bhagath Sivadas and faculty coordinators Dr Jeno Paul and Mr Lyson George
- Presented the Annual Student Activities of SEEM prepared by Smt Akhila K during the annual general body meeting on 22nd August from 7 pm to 9,30 pm.

Ms Anitha P

- Attended Webinar on " Testing Of Power Transformers In Substations" by Er. Ben Antony on 01-08-20
- Attended webinar on " Journey From Engineering Student To Engineer " by Er.Visakh PM on 02-08-20
- Attended webinar on "outcome based education through on line classes" by Prof.R.Rajaram on 05-08-20
- Attended Webinar on "Higher Studies In Foreign Universities" after Engineering by Er. Akhil S Nair, conducted on 07-08-2020.
- Participated in the webinar "An overview of power transmission "by Er. Biju Jacob, conducted by EEE dept of Holy Grace academy on 08-08-20.
- Attended webinar on" Overview Of Disaster Management In Kerala- Lessons From Past Disasters "by Er.Nithin Davis K, organised by NSS units of ASIET on 15-08-20
- Attended one day faculty development programme on "Guidelines For Genuine Evaluation Of Examination Answer Sheets "conducted by dept. of EEE, Ahalia school of Engineering & Technology on 16-08-20
- Attended two days STTP on "Electric Vehicles &Renewable Energy" conducted by EEE Dept. ASIET on 21st & 22nd August 2020
- Attended webinar on "Career Opportunities" by Prof. Mohammed Shiyas, ME dept. ASIET on 27-08-20.

Ms Deepa Sankar

- **Attended a webinar on " Reliable Power Electronics – an Enabler for Renewable Energy Generation and Utilization " by Worldwide Energy Network on 11/08/20**
- **Attended 3 day FDP- IISU Summit 2020 organized by IEEE IAS SBC UKFCET from 8/08/20 to 10/08/20**
- **Attended "5Day Online Workshop On Incorporating Universal Human Values in Education" organised by AICTE from 24/08/20 to 28/08/20**
- **Attended "5 day Online Faculty Development Programme on “Practical Challenges in the Design and Development of Electric Vehicles” organized by the Electrical Engineering Department, NIT Calicut, from 24th-28th August , 2020.**

Anna baby

- **Attended Two Day Online FDP on "Introduction to Machine Learning using Python" conducted by Department of Electronics and Communication & Computer Science and Engineering Department of ASIET,Kalady on 30th July and 1st August.**
 - **Attended Online session on "Outcome based Education through Online-challenges" on August 5th,conducted by Department of Computer Science Engineering,ASIET,Kalady**
 - **Attended Online Webinar on "An Overview of Power Transmission" organized by Department of EEE,Holygrace academy of Engineering on Saturday, August 8th.**
- Attended 6 day International Webinar series on "Novel Trendlines in Technology and Job Prospects"organized by Department of Electronics & Communication Engineering,Electrical & Electronics Engineering of Universal Engineering College from 10th August to 15th August.**

Ms Rajitha A R

- **Attended Online session on "Outcome based Education through Online-challenges" by Prof R Rajaram on 15/08/20 Conducted by Department of Computer Science Engineering, ASIET, Kalady.**

- **Attended "5 day Online Faculty Development Programme on "Practical Challenges in the Design and Development of Electric Vehicles" organized by the Electrical Engineering Department, NIT Calicut, from 24th-28th August , 2020**
- **Attended Webinar on" Testing Of Power Transformers In Substations" by Er. Ben Antony on 01-08-20**
- **Attended a webinar on the Topic 'A Discussion on 5G Enabling Technologies' in association with Institutions Innovation Council & ISA Student Chapter,ASIET, Kalady on 14/08/20.**

Ms Remya K P

- **Alumni Talk series on "Testing of power transformers at Substations" by Er. Ben Antony organised by EEE dept ASIET Kalady on 1/8/20**
- **Webinar on Outcome Based Education Through Online (Challenges) By Prof.Rajaram organised by department of CSE ASIET Kalady on 5/8/2020**
- **Webinar on " Non Linear Control Strategies for Power Converters with Non linear Loads "(Alumni Webinar) organised by EEE dept ,The Oxford college of Engineering on 07/08/2020**

Ms Nayana J

- **Participated in Online FDP on " Introduction to Machine learning using Python", organized by department of ECE and CSE, ASIET from 31/07/2020 to 01/08/2020**
- **Participated in the "State Level Online Awareness Programme on PDS-ShodhShuddhi in Kerala & Tamil Nadu" held on 17.07.2020.**
- **Participated in alumni webinar on "Power transformer testing in Substation" Organized by Dept of EEE, on 01.08.2020.**

- Participated in webinar on “Non Linear control strategies for Power Electronic Converters with nonlinear loads” Organized by Dept of EEE, Oxford College of engineering, Bengaluru. On 07.08.2020
- Participated in webinar on “Importance of Electromagnetic Compatibility (EMI/EMC) in Electronic-Product Design” Organized by Dept of EEE, Oxford College of engineering, Bengaluru. On 10.08.2020
- Participated in 6 day short term training program on “Control system engineering”, organized by department of Electronics and communication from 6th to 12th August 2020.
- Participated in one week online faculty development program on “ Recent trends and emerging technologies in solar and wind conversion system” Conducted by department of Electrical and Electronics engineering, JNN college of engineering, Shivamogga, in association with the Institution of Electronics and Telecommunication Engineers (IETE) from 10th to 14th August 2020.
- Participated in Spoken tutorial FDP on “Moodle learning Software”, Organised by IIT Bombay, hosted by universal engineering college , an initiative of National mission on Education through ICT, MHRD, Government of India from 10th to 14th August 2020.
- Participated in induction program on “Incorporating Universal Human Values in Education”, Organised by AICTE from 24th to 28th August 2020.

WEBINAR ATTENDED BY TECHNICAL STAFFS

- Mr LysonJohn, Mr Santhosh N N, Mr Venugopal K ,Ms Remya Varghese, Mr Viju V C attended a Webinar on ‘Preventing Equipment Failures: Best Operation& Maintenance Practices of Electrical Systems’ organized by Kerala State Productivity Council on 03/07/20.

STUDENT ACHIEVEMENTS

- **Daliya Joseph of S7 EEE** (2017-21 Batch) got placement as Team Coordinator in Tackzoa Technologies . She will be working as freelance and responsible in the areas of Developing Project Co-ordination, Data analysis, Team co-ordinations, Project Testing, and Marketing.
- **Yadhu krishnan** of S7 EEE (2017-21 Batch) was selected for two month Internship in Skillenhanced as content writer after the selection process.
- **Anila Ganesh** of S7 EEE (2017-21 Batch) participated in Rapid Fire Coding Contest Conducted by Tech students on 12/08/20.
- She also participated in the Webinar on Overview of Disaster Management in Kerala, Lessons from Past Disaster on 15/08/20 hosted by NSS Technical Cell of ASIET,Kalady.
- Attended Online Workshop Series on PV-MPPT Simulation organised by IEEE IA/IE/PELS Jt Chapter Kerala.
- **Mr.Rohith Krishnan** of S8 EEE (2016-2020 Batch), under the guidance of Prof.Anitha P Presented the project " Automated Food Ordering &Serving System Using IOT " in the preliminary phase of project 2020 project presentation contest organised by APJ AKTU NSS cell on 27-08-20.


PRIDES OF EEE-CONGRATULATIONS

Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University

Electrical & Electronics Engineering

M.Tech POWER ELECTRONICS & POWER SYSTEMS

TOPPER WITH HIGHEST CGPA UNDER ERNAKULAM CLUSTER I



AMINA K A
MTECH
POWER ELECTRONICS & POWER SYSTEMS
CGPA 9.51

Congratulations!



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Electrical & Electronics Engineering

M.Tech POWER ELECTRONICS & POWER SYSTEMS

PRIDES OF EEE

AMINA K A
MTECH PEPS
CGPA 9.51

SNEHA ANTONY
MTECH PEPS
CGPA 8.9

TOPPERS FOR MTECH PEPS ERNAKULAM CLUSTER I

Congratulations!

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JOIN EEE @ ASIET



Electric Vehicles and Fuel Cell Vehicles REDEFINE CAREER



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ADI SHANKARA INSTITUTE OF ENGINEERING & TECHNOLOGY, KALADY

FOR ADMISSION CONTACT

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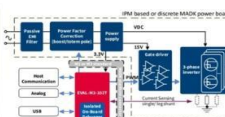
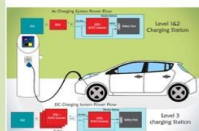


Reducing hunger for electricity
Building more efficient supply systems

MTECH IN POWER ELECTRONICS AND POWER SYSTEM

DEPARTMENT OF EEE

Our research and education programs are focused on
smart power electronics for energy efficiency and
renewable energy applications and systems.



Contact

Adi Shankara Institute of Engineering and
Technology
Mattor, Kalady, India
Website: www.adishankara.ac.in
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Wish you all a Happy & Prosperous Onam

EDITORIAL BOARD | CHIEF EDITOR: Smt. Gomathy S. (HoD EEE)

STAFF EDITORS

Ms. Rajitha A R (Assistant Professor)
Ms. Anna Baby (Assistant Professor)
Ms. Hima T (Assistant Professor)
Ms. Akhila K (Assistant Professor)
Ms. Nayana J (Assistant Professor)

STUDENT EDITORS

Aswathy S Pai (S3 EEE)	Alan Williams (S3 EEE)
Sandeep S Mallya (S5 EEE)	Byshania Ghosh (S5 EEE)
Thanzia K J (S7 EEE)	Ebin George (S7 EEE)