



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

**THE OFFICIAL NEWSLETTER OF
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
VOLUME 3 ISSUE 1**

CIRCUIT NEWS



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



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CIRCUIT NEWS

THE OFFICIAL NEWSLETTER OF

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VOLUME 3, ISSUE 1

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Message from the Principal's Desk



I have great pleasure in conveying my best wishes to the Department of Electrical and Electronics Engineering for releasing the newsletter "CIRCUIT NEWS". The most important aspect which could be derived from this stupendous effort is that it brings out the various technical and analytical skills of the budding engineers.

It also helps the department in building up teamwork which is very much needed today in the competitive world. This enhances the documentation culture of the department. I wish them to experience victory in all of their future endeavours.

Message from the Deputy Registrar's Desk

I am happy that the department of Electrical and Electronics Engineering is bringing out the newsletter "CIRCUIT NEWS". This Newsletter will definitely help to showcase the activities that are happening in the department. It provides a platform for exposing the merits and academic achievements of the faculty and students. This would definitely create an impact in the minds of the readers, by providing larger visibility and dimension to the department. I hope that this culture of releasing Newsletter continues further. Also my heartfelt congratulations to the staff members for their fruitful effort.



Message from the HoD's Desk



It gives me immense pleasure to lead the department of Electrical and Electronics Engineering. The primary focus of the department is to empower our students in all aspects. We provide opportunities for the students to participate in various competitions and technical events. This newsletter is an effort to highlight the achievements of the department. I wish good luck to the entire team of the faculty members and looking forward to your kind patronage to our newsletter.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 1998. The Department offers Full time undergraduate course in the Electrical and Electronics Engineering and Mechatronics Engineering. The Department also offers part-time under graduate course in Electrical and Electronics Engineering and a post Graduate course in Power System Engineering.

The Department has been organizing a cascade of seminars, guest lectures, workshops, symposia, conferences, industrial visits, in-plant training, inter collegiate programmes from time to time for the benefit of the faculty members and students through its Technical Association – EEESA (Electrical and Electronics Engineering Student Association) and professional bodies like the IEEE Power and Energy Society. The Department also coordinates the IEEE Student Branch with students of all the branches as its members. The thrust area of research of the department is Renewable Energy, Power Electronics and Drives Control, Power system and automation. The department has Centre of Excellence for Solar Energy. The Department also take cares of the operation and maintenance of 126 kWp Grid Connected Solar Power Plant which supplied around 600 Units per day.

The Department has signed an MoU with many leading industrial firms for the benefit of the faculty, students project work and in-plant training. The Faculty Members are well qualified with inherent experience in both teaching and research. The department has received the fund of Rs.1,50,000 from Ministry of New Renewable Energy Sources (MNRE) for National Conference on Emerging Trends in New Renewable Energy Sources. A project proposal titled “Preventive Women’s Safety App for location based alerting” worth Rs. 13,22,520 was approved

under the scheme of Science and Technology for women(DST). A fund of Rs.1,00,000 was sanctioned to the department from Unnat Bharat Abhiyan, Ministry of Human Resource Development for Mobile Reverse osmosis based water purification system using Solar PV source for rural India. Also a fund of Rs.50,000 was received from Unnat Bharat Abhiyan, Ministry of Human Resource Development for DC Micro Grid based Solar PV generation to supply power to street lamp and common utilities in a village.

Our University appreciated us for developing the Nursing Robot named V2Buddy in association with Ganesan Innovation and Entrepreneur Cell with the student team for assisting Doctors and Nurses especially for the corona isolation wards. The students were mentored in preparing three Nursing Robots and we also got appreciation from the Chief Minister, Pondicherry and also from Director, Govt. Hospital, Chennai and Dean, AVMC during the delivery of Robots. Students won various awards in the National and International Events organised by IISER, MHRD, IITM, UPES, ICTE, NIC, IEI, IEEE, ISTE, etc.

VISION AND MISSION OF THE DEPARTMENT

VISION

To carry out research and development in the areas of alternate and renewable energy technologies and contribute to the energy self-sufficiency.

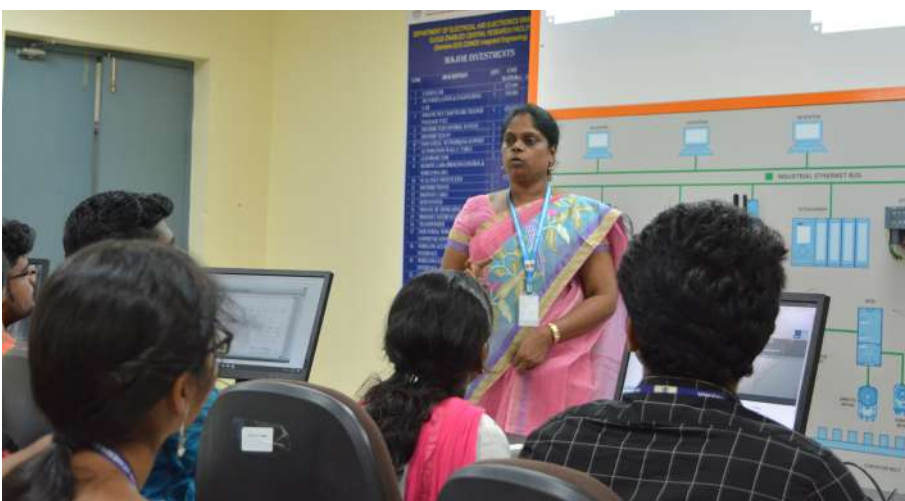
MISSION

- To develop human resource to pursue cutting-edge and futuristic research in energy technologies.
- To develop trained human resource to cater the needs of existing and emerging renewable energy industries.
- To become the nodal centre to deliver consultancy and offer expertise to industries

LIST OF LABORATORIES

1. Cloud Enabled Central Research Facility (Siemens DCS COMOS Integrated Engineering)
2. Renewable Energy Lab
3. Control & Instrumentation Lab
4. Power Electronics & Drives Lab
5. Basic Electrical Engineering Lab
6. Mechatronics Lab
7. Circuits & Devices Lab
8. Microprocessors & Microcontrollers Lab
9. Electrical Machines Lab
10. Simulation Lab

VISION AND MISSION



DEPARTMENT ACTIVITIES

ALUMNI GUEST LECTURE ON INDUSTRY 4.0

Date: 07.04.2021 Time: 10.00 am Webinar Platform: Microsoft Teams



The lecture was about the need for automating an industry in order to improvise it in terms of productivity, reliability and repeatability, automated robots, IOT, Cloud computing, Big Data, Augmented reality, Cyber Security etc.,

WEBINAR ON PROFESSIONAL ETIQUETTE

Date: 02.06.2021 Time: 11.00am Webinar Platform: Microsoft Teams



The session was handled by Dr. Kabilan Kadhirvelu, AP/IT, SSN College of Engineering, Chennai. It was a session about Life skill, Etiquette, Need for quality and Measure of quality. He emphasized the quote on how "None is mastered in a single day".

WEBINAR "GRID INTEGRATION ISSUE WITH DISTRIBUTED ENERGY RESOURCES"

Date : 02.06.2021 Time : 2.00 p.m Webinar Platform: Microsoft Teams



The Guest speaker of the day was Dr.M.Arun Bhaskar of Velammal Engineering College. The session was about the introduction to the Indian power sector and the basic building blocks of a Distributed Energy Resources.

WEBINAR ON ACCELERATING DIGITAL TRANSFORMATION IN CHALLENGING TIMES

Date : 17.05.2021 Time: 07.30pm Webinar Platform: Zoom



The resource person was Er. S. Joseph Winston, Head, RHIED, IGCAR, Kalpakkam, Chennai. The session was about the deployment of Artificial Intelligence, easier data transmission of data over long distances and the wider communication features.

INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME ON CHALLENGES IN ENERGY MANAGEMENT IN SMART CITIES

The department of EEE in collaboration with Naresuan University has conducted a five day International faculty development on “Challenges in energy management for smart cities” from 7th June 2021 to 11th June 2021. The resource persons for the IFDP were Dr.Sankaraiah Sreeramula, Chief Data Scientist, APP Sinarmas, Indonesia , Mr. AYOUB OUBOURHIM , Senior Efficiency Energy Engineer, Moroccan Ministry of Energy and Mining, Morocco, Dr. Sukruedee Sukchai, Advisor, SG Tech School of Renewable Energy and Smart Grid Technology, Thailand, Mr.M.Joel Franklin Asaria, Deputy Director & Head, Energy Division, National Productivity Council, Tamilnadu, Dr. P. Kanagavel, Director & Division Head, National Institute of Wind Energy, Chennai, Tamil Nadu

YOUTUBE LINKS FOR THE IFDP

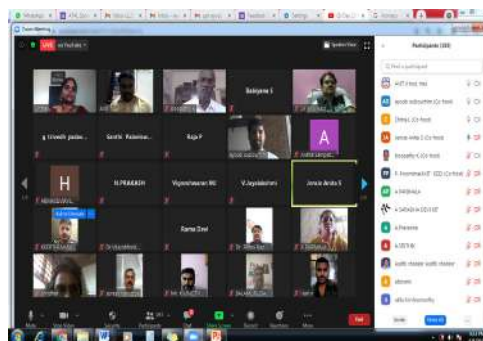
DAY 1 : <https://www.youtube.com/watch?v=0cpV8WqFloU&t=371s>

DAY 2 : <https://www.youtube.com/watch?v=QQnDiQdny1s>

DAY 3 : https://www.youtube.com/watch?v=c_eR7Nx2dKs

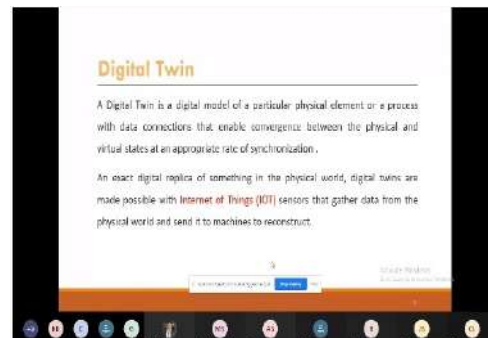
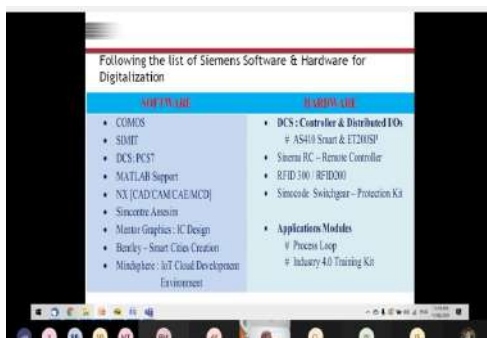
DAY 4 : <https://www.youtube.com/watch?v=88CAuih4rPw&t=7s>

DAY 5 : <https://www.youtube.com/watch?v=GNUJre0VgW8>



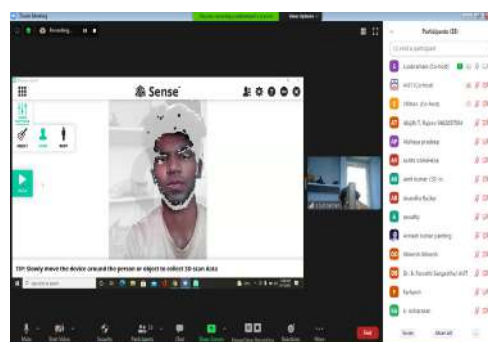
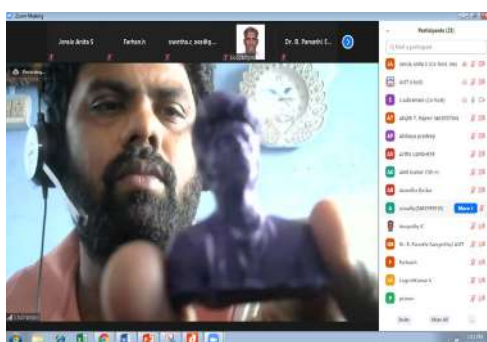
VALUE ADDED TRAINING PROGRAMME ON INTRODUCTION TO DIGITAL TWIN TECHNOLOGY USING DCS AND COMOS

The department of EEE in collaboration with Vi Microsystems has conducted a Five Day Value added Training Programme on “Introduction to Digital Twin Technology using DCS and COMOS Software” from 07/06/2021 to 11/06/2021



SKILL DEVELOPMENT PROGRAM ON 3D PRINTING

The department of EEE in collaboration with M/s Cornerstone Automation has conducted a Five Day skill development program from 14/06/2021 to 18/06/2021. The resource person was Mr.S.Subramani, Proprietor, Cornerstone Automation, Chennai & his Team. The session was about Introduction to 3D printers, types of 3D printers and scanners. On the final day, a sample product was demonstrated.



CO-CURRICULAR ACTIVITIES

VALUE ADDED TRAINING PROGRAM ON DESIGN AND FABRICATION OF ELECTRIC BICYCLE



The resource persons of the event are Mr. Gav Bomi Master and Mr. Ruzbeh Gav Master, the proprietors of Bomi Auto Parts, Surat, Gujarat, India. The main objective of this event is to help the students to gain knowledge about the fabricate and design an Electric Bicycle.

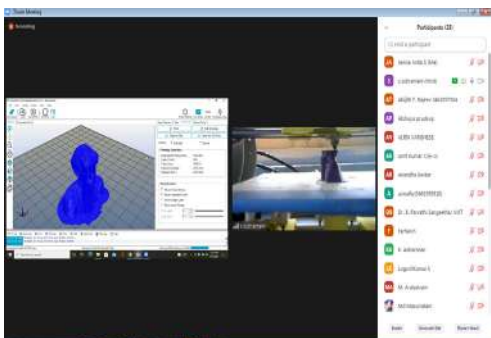
VALUE ADDED TRAINING ON INTRODUCTION TO DIGITAL TWIN

The five day value added training program was held from 7/6/2021 to 11/6/2021. The training was about the overview of plant engineering software, process station integration using DCS, Smart meter integration using IIOT, DCS, Hardware integration,



Power consumption of heterogeneous devices, Applications in heavy load appliances, Programming languages and digital twin technology for Process Industries.

SKILL DEVELOPMENT PROGRAMME ON 3D PRINTING



The department of EEE in collaboration with M/s Cornerstone Automation has conducted a Five Day skill development program from 14/06/2021 to 18/06/2021. The resource person was Mr. S. Subramani, Proprietor, Cornerstone Automation, Chennai &

his Team. The session was about Introduction to 3D printers, types of 3D printers and scanners.

IIT SPOKEN TUTORIAL



- The students of final year EEE and Mechatronics has completed a course on eSim training through IIT spoken tutorial
- The students of final year EEE and Mechatronics has completed a course on Arduino Training through IIT spoken tutorial

NPTEL

- Sharook Khan , Sritharan G of EEE successfully completed the NPTEL course titled 'MECHATRONICS' from JAN 2021 to March 2021
- Imran Patel R, Karthikeya Reddy.B of EEE successfully completed the NPTEL course titled 'PLASTIC WASTE MANAGEMENT' from JAN 2021 to MARCH 2021
- Arun Kumar M, Amal Benny Varghese , Rifan Rasheed of EEE successfully completed the NPTEL course titled Consumer Behaviour 'MARCH 2021



COURSERA

- 20 Students of EEE department have completed courses in coursera on topics Electric power system, Wind Energy and Mind control: Managing your mental health during COVID-19.

ONE CREDIT COURSE

- All the students of EEE Department attended a One credit course on "Innovative Thinking Tools" which was held for 16 hours conducted by Dr. Rekha Shetty, Founder, Minds power.

MSME

- Final year students of EEE department have completed the MSME courses on Internet of Things and Electric Vehicle charging station-Infra structure and Technology

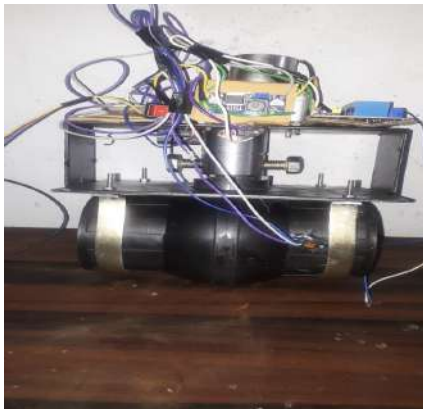


MOU ACTIVITIES



- In view of MoU with Naresuan University, Thailand Dr.Sukruedee Sukchai, handled the session titled “Role of e mobility in a smart city “in the International Faculty Development Programme on 09.06.2021 via Online mode

- Our Incubate Cornerstone Automations, Chennai resourced a value added programme on 3D printing on 14.06.2021 via Zoom and Youtube. Numerous products are also there in the developmental stages in association with Cornerstone Automations.



Waste Management system for garbage vehicles

SIEMENS
Ingenuity for life

- A Brainstorming session was conducted by Mr.M.Nayan and his team from Siemens, India for the faculty members of EEE department

- Digital twin Technology for Smart Farming, a prototype developed in association with VI Microsystems, Chennai



MOU ACTIVITIES

DEPARTMENT ACHIEVEMENTS

ACHIEVEMENTS BY STUDENT'S



1. Anand Radhakrishnan won the national award for the **BEST PROJECT AWARD** for control valve in the National Conference on "Future Perspective in Engineering and Technology" organised by the Institution of Engineers (India), Hosur Local Centre and Adhiyamaan College of Engineering, Hosur.



2. Achuth Srinivas won the national award for the **BEST PROJECT AWARD** for E Cycle in the National Conference on "Future Perspective in Engineering and Technology" organised by the Institution of Engineers (India), Hosur Local Centre and Adhiyamaan College of Engineering, Hosur.



3. Sharook Khan won the national award for the **BEST PROJECT AWARD** for V2 Buddy in the National Conference on "Future Perspective in Engineering and Technology" organised by the Institution of Engineers (India), Hosur Local Centre and Adhiyamaan College of Engineering, Hosur.

4. Sharook Khan won the national award for the **BEST PROJECT AWARD** for Smart crop irrigation system using IOT & Detection of leaf diseases in the National Conference on "Future Perspective in Engineering and Technology" organised by the Institution of Engineers (India), Hosur Local Centre and Adhiyamaan College of Engineering, Hosur.



5. Raghav Rao was invited as a Guest speaker at Machenn for a talk on Internet of Things



6. Anandhan.R was awarded the certificate of participation by GUVI for participating in building a face recognition using python



7. Mritul P M was awarded the certificate of participation by GUVI for participating in building a face recognition using python



8. R.RANJITH and S.SUNKRUTHA received best paper award titled “Review of Digital twin designing for process control station” at INTERNATIONAL CONFERENCE ON AUTOMATION, SIGNAL PROCESSING AND ENERGY SYSTEM (ICASE) 2020 conducted by Kalasalingam Academy Of Research And Education

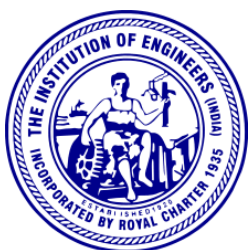
9.R.RANJITH, S.SUNKRUTHA, S.SUBHASH KUMAR of Mechatronics received the certificate of merit for “PETRA” at SAHAYAK VIRTUAL HACKATHON 1.0 conducted by the University Of Petroleum And Energy Studies, Dehradun



10. S. Sunkrutha of Mechatronics has won the Cash prize of Rs.3000 in the International Alumni Lecture Series titled “What’s next? Higher Studies, Entrepreneurship, Life Abroad & Innovation and more”.

PROFESSIONAL SOCIETY AWARDS

THE INSTITUTION OF ENGINEERS (INDIA) [IEI]



S. Sunkrutha won an award and a cash prize of Rs.1000 for her best participation in the National Convention and Conference of Electrical Engineers organised by the Institution of Engineers Professional Society Chapter of Tamilnadu State Center and also was also given a smart watch by the Thiruvalluvar Local Chapter, IEI for the event Ambition & Achievement award.



INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS



Raghav N participated in a symposium MAS- E-TEC organised by IEEE Madras Section Student Activities Committee & Student Coordination team and received the consolation prize.



APPRECIATION RECEIVED BY STUDENTS FROM THE MANAGEMENT



1. R. RANJITH of Mechatronics received an incentive of Rs. 5,000 from our management for the contribution made by the student in Product development titled "PETRA" and presenting the same at "Assistive Technology (AT) Makeathon" conducted by Shastra, IIT Madras



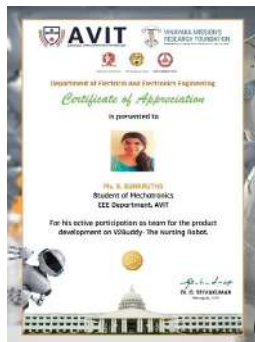
2. R. RANJITH, S. SUNKRUTHA of Mechatronics received an incentive of Rs. 5,000 from our management for the Presenting Ideas (Emergency Patient communicating system) towards solving the challenges posted by the pandemic and Cleared round 1 and was selected in top 20 out of 2500+ entries conducted by mega online challenges - SAMADHAN, MHRD's Innovation cell. AICTE, Innovation and FORGE



3. S. SIVARANJANI & PREETHI D of SAE received an incentive of Rs. 7,500 from our management for the contribution made by them in Product development titled "Battery Less UPS System using Flywheel" and was selected one among the five best teams from 800 projects.



4. R.RANJITH,S. SUNKRUTHA of Mechatronics received an incentive of Rs. 5,000 from our management for the product development - V2Buddy, Temperature and sanitizer console



5. SHAROOK KHAN of EEE received an incentive of Rs. 5000 from our management for the contribution made by student in the Product development titled "SCAVENGER (Drainage Robot)" and presented at Innovation Fair conducted by Shastra 2021, IIT Madras





6. R.RANJITH, S. SUNKRUTHA, S.SUBHASH KUMAR of Mechatronics received an incentive of Rs.10,000 from our management for presenting Ideas(Petra) and secured 1st position at SAHAYAK VIRTUAL HACKATHON 1.0 conducted by UNIVERSITY OF PETROLEUM AND ENERGY STUDIES, DEHRADUN

7. R. RANJITH,S. SUNKRUTHA of Mechatronics received an incentive of Rs. 5,000 from our management for Presenting Ideas (Emergency Patient communicating system) towards solving the challenges posted by the pandemic and cleared round 1 and was selected in top 20 out of 2500+ entries conducted by mega online challenges - SAMADHAN,MHRD's Innovation cell,AICTE, Innovation and FORGE



PATENTS FILED

- Prof. Rajasekaran has filed a patent titled “ Design of Hybrid Wind Turbine Using Magnato Resistive Technique”
- Dr. K. Boopathy has filed a patent titled “ Self Power Generation in Normal Cycling System without Battery Using Novel Converter”
- Dr. Boopathy & + 9 Members has filed a patent titled “ Estimation of Biomarkers for Adaptive Immunity in Infectious Diseases Using Smart IOT Sensors and Deep Learning
- Dr. L. Chitra & S. Prakash has filed a patent titled “ Emergency Patient Communication System”

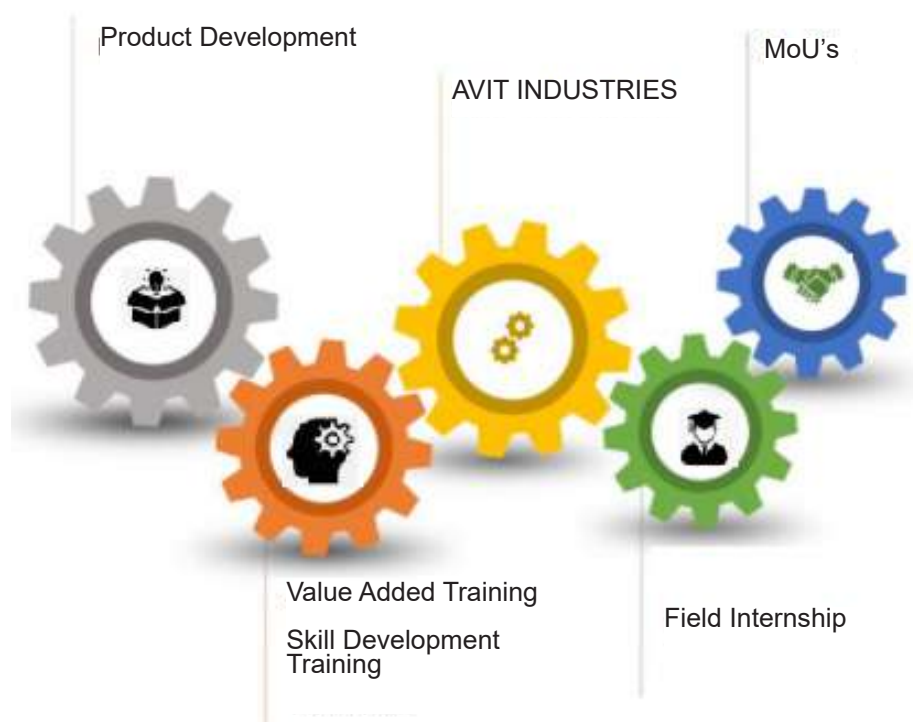
INSTITUTE – INSTITUTE INTERACTION

- An International FDP on “ Challenges in Energy Management for Smart Cities” was organised in JUNE 2021. and Dr. Sukruedee Sukchai, Advisor, SG Tech School of Renewable Energy and Smart Grid Technology, Thailand was the resource person for one of the session
- Dr.L.Chitra HOD/ EEE, AVIT was the resource person for the webinar organized by SGtech, Naresuan University
- Dr.Pisit Maneechot Asst. Prof., SGtech, was the resource person of the International FDP organized by Department of EEE
- Subhash-BME, S.Sankrutha- MECHAT, Mithun Das – EEE, students of AVIT visited Naresuan University for a Short Course on Renewable Energy.
- Dr. K. Boopathy, Dr. S.M. Santhi Rekha, Prof. P. Rajasekaran, Dr. S.P. Sangeetha and Dr.Giri Rengasamy attended the International conference that was organized by the Naresuan University, Thailand.
- Mr.N.P.Gopinath, Asst. Prof /EEE, Mr.R.Ranjith and Mr.Vedapriyan, students/ EEE, presented a paper in the International conference organized by the Naresuan University at Phitsanulok, Thailand



INDUSTRY - INSTITUTE INTERACTION

- The institution is in collaboration with VI-Micro systems, M/S Corner stone industries, Siemens.
- Around 104 Students has undergone a value added training program in “Design and Fabrication Of Electric Bicycle”
- Around 85 Students has undergone a value added training in “Introduction to Digital Twin ”.
- The Department of EEE in association with M/s Cornerstone Automations has conducted a five day Skill development Programme in “ 3D Printing” from 14/06/2021 to 18/06/2021.
- Some of the products developed by the students are
 - E Bicycle
 - Temperature and Sanitizer console
 - IIOT Energy Management system
 - Portable Solar Power Generation unit
 - Portable UPS
 - V2 Buddy The Nursing Robot



PROJECT DONE UNDER INDUSTRY INSTITUTE INTERACTION

REMOTE CONTROLLED SOLAR POWERED GRASS CUTTING MACHINE

The students BINIT Varghese Binu , Rageswar N Nair, Abin Mathew guided by Dr.B.Parvathi Sangeetha developed this prototype.



The proposed remote control solar powered grass cutting machine is user friendly when compared to other grass cutting machines.

There is no pollution from this prototype. It is very light weight and can be transported to any place. It is very small in size when compared with other grass cutting machine. It also reduces the man power preventing them from working outdoors in hot sun

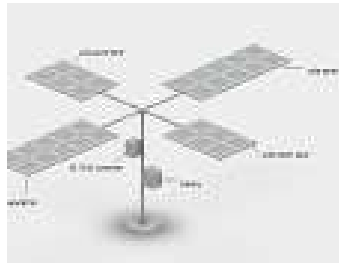
SMART SALINE LEVEL MONITORING ALERT SYSTEM USING IOT



The students Binit Eshwar, Gowthaman, Kamal P guided by Dr.B.Parvathi Sangeetha developed this prototype.

Saline is one of the most popular intravenous (IV) therapies that play a major role in the management of patients who are critically ill. Monitoring of saline level is very important because that leads to outward blood flow if the IV fluid in the bottle is empty.

PORTABLE SOLAR POWER GENERATION UNIT



The students Jithin V , Binit Varghese Binu , Mritul P M guided by Dr. B. Parvathi Sangeetha developed this prototype. The present system involves fixed roof top solar panels for commercial and residential buildings and this portable solar setup doesn't require a large space and it requires less maintenance.

DESIGN AND FABRICATION OF AN AFFORDABLE E-BICYCLE



The students Jistin Jojan Varghese, Sharook Khan, Jobin John, Akshaya Pradeep, Achuth Srinivas, Kedarnath Nandikol, Singh Ashirwad Abhay Binit Varghese Binu, Mritul P M under the guidance of V.Rattan kumar developed this prototype. E Bicycle which is run by a brushless motor and powered by

a Lithium Ion battery. An electronic programmable controller is used. In the testing stages of this E Bicycle, it was found that it runs over a distance of 28 KM without any issues when it is fully charged for one time.

PAPER PUBLISHED IN JOURNAL BY FACULTY



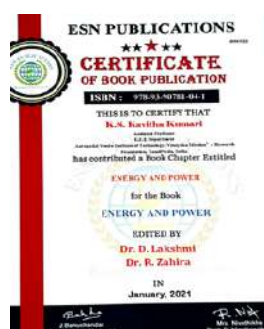
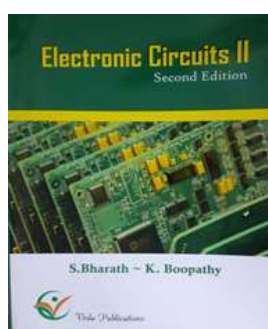
- Dr. K. Boopathy has published a paper titled "Modelling of Emergency Light With Flyback Converter Using Solar Cell System for Multipurpose" in High Technology Letters with volume -2021/Volume 27, Issue 2, 131-138
- Dr. L. Chitra, has published paper titled "Power quality improvement using dstatcom based on three phase voltage source inverter" in Journal of Green Engineering with volume -2021/Volume 27, Issue 2, 131-138
- Dr. K. Boopathy has published paper titled "BLDC Motor by modifying the shape of stator and rotor for variable speed drive by solar energy" in High Technology Letters with volume -2021/Volume 27, Issue 3, 35-42

FACULTY MEMBERS-AWARDS & RECOGNITIONS

- Dr. L.Chitra has been awarded with a certificate of participation for “Most users to take an online computer programming lesson in 24 hours” by the Guinness world record on 5/1/2021
- Mr.Prakash . S has been awarded with a certificate of participation for “Most users to take an online computer programming lesson in 24 hours” by the Guinness world record on 5/1/2021
- Ms. Jensie Anita S has been awarded with a certificate of participation for “Most users to take an online computer programming lesson in 24 hours” by the Guinness world record on 5/1/2021
- Ms. Kavitha Kumari. K.S has been awarded with a certificate of participation for “Most users to take an online computer programming lesson in 24 hours” by the Guinness world record on 5/1/2021
- Dr.B.Parvathi Sangeetha. B has been awarded with a certificate of participation for “Most users to take an online computer programming lesson in 24 hours” by the Guinness world record on 5/1/2021

BOOK/CHAPTER PUBLISHED

- Dr.K.Boopathy, Associate Professor/EEE/AVIT has published a book in April 2021 through VEDA publisher. The title of the book is “Electronic Circuits-II” which contains 273 pages. The ISBN no is 978-81-952262-1-4
- Mrs.K.S.Kavitha Kumari, Assistant Professor/EEE/AVIT has published a book in Jan 2021 through ESN publisher. The title of the book is “Energy and power “which contains 244 pages. The ISBN no is 978-81-947019-5-8 .



FACULTY AS RESOURCE PERSON

1. Dr. L. Chitra as a guest speaker for a Value added training on “Digital Twin Technology” on 9.7.2021 at AVIT
2. Dr. L. Chitra as a guest speaker for a webinar on “Recent trends in industrial engineering strategies” on 26/4/2021 at Sathyabama Institute Of Science And Technology
3. Dr. K.Boopathy as a guest speaker for a webinar on “Intellectual property rights and patents” on 22/4/21 at Dr. M.G.R Educational and Research Institute
4. Mr.V.Rattan kumar as a guest speaker for a webinar on “Challenges in integrating solar power plants to grid” on 28/6/21 at Bharath institute of higher education

FACULTY PARTICIPATION IN WEBINARS & FDP

1. Ms. Jensie Anita S attended NPTEL 4 weeks FDP titled “Effective writing”.
2. Mr.S.Prakash attended a Webinar on 28/03/2021 titled “Energy Trends of 2020 and their impact of India” at St. Joseph College of Engineering
3. Ms. Jensie Anita S attended a Webinar on 30/3/2021 titled “Search Strategies to optimize your Research Time” at IEEE
4. Mr.S.Prakash attended a Webinar on 30/03/2021 titled “E-Mobility Infrastructure Concepts” at St.Joseph College of Engineering
5. Mr.S.Prakash , Ms.Jensi Anita S , Ms.Kavitha Kumari. K.S , Dr. B. Parvathi Sangeetha. B attended a Workshop on 25/4/2021 titled “Build a face recognition application using python” at GUVI
6. Mr., Rattan Kumar V , Ms. D.Saranya , Ms. Poornima P attended the AICTE SPONSORED Workshop from 26/4/2021-1/5/2021 titled

“Skill and Personality Development Programme on Recent Trends in Industrial Engineering Strategies” at Sathyabama Institute of Science and Technology

7. Ms. Poornima P attended a Workshop on 9/5/2021 titled “Step into robotic process automation” at GUVI
8. Dr. L. Chitra, Ms. Poornima. P and Ms. S. Jensie Anita attended Inculcating Universal Human Values in Technical Education conducted by AICTE for five days
9. Mr.Prakash S attended the ATAL FDP titled “Environment, Energy, Health and Safety: Trends & Industrial Aspects” from 17/5/2021-21/5/2021 sponsored by AICTE
10. Dr.L. Chitra attended a Workshop on 5/6/2021 titled “Motor used for EV application- design aspects” at Meenakshi Sundararajan Engineering college
11. Dr.B. Parvathi Sangeetha. B, Jensie Anita. S attended the ATAL FDP titled Role of materials in electric vehicles from 7.6.2021-11.6.2021 sponsored by AICTE at PDA College of Engineering.
12. Mrs. Poornima. P attended ATAL FDP titled “Embedding AI in Smart Sensors “from 7.6.2021-11.6.2021 sponsored by AICTE at Sri Ramakrishna Engineering College

INTERNSHIP BY STUDENTS

1. Harikrishnan G ,Jistin Jojan Varghese, Rageswar N Nair, Sharook Khan of Final year EEE haa undergone an Internship training program at SUZLON Wind Energy Site along with Eaglesford Consultancy Services for 4 months
2. Mohamed Sahal CM , Mrudul S Raj of prefinal year EEE has undergone an Internship & Job Preparation at Internshala 4 weeks
3. N Raghav of prefinal year EEE has undergone an Internship program at Machenn Innovations for 3 months

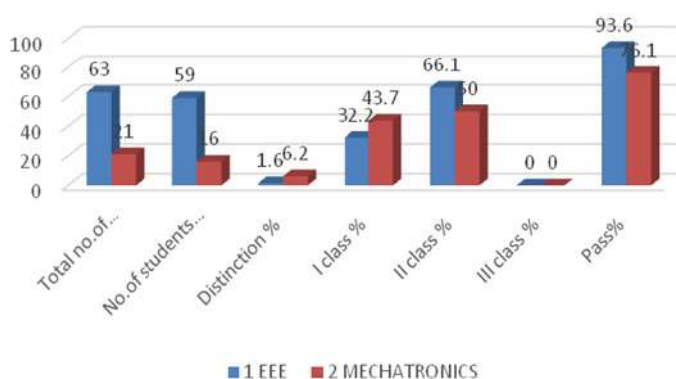
PLACEMENTS

1. Hrishikesh. S, Suraj. K, Davis Sebastian, Mohamed Aslan. J, Mritul. P.M of EEE got placed in Worksbot through campus interview
2. Subash Kumar.S of mechatronics got placed in CHC Healthcare Inc-Healthwatch through campus interview
3. Sivaranjani.S of SAE got placed in Spectrum 7 technologies through campus interview

ACADEMIC PERFORMANCE 2020-21

Branch	Total no.of students appeared	No.of students passed	Distinction %	I class %	II class %	III class %	Pass %
EEE	63	59	1.6	32.2	66.1	0	93.6
MECHATRONICS	21	16	6.2	43.7	50	0	76.1

BATCH-2016-2020(Distribution of pass percentage)



TESTIMONIALS



I'm very grateful to inform that I have received an incentive of Rs. 5000 from AVIT for becoming a Runner up in AT Makeathon, a national level event conducted by IIT Madras, Chennai. I'm very thankful to AVIT and the staffs who helped us, especially Dr L.Chitra - HOD/EEE for the great support and guidance.

-Mr. RANJITH OF MECHATRONICS



Thank you so much for the great support and guidance throughout the years and encouraging us to participate in national and international events

- Ms. S. SUNKRUTHA OF MECHATRONICS



I (Sharook Khan of final year EEE) have been selected to the final round of National Innovation Contest of Ministry of Education Innovation Cell and AICTE. I am extremely thankful to my department and college for giving me opportunities to expose my talent. I am excited and eagerly waiting for more opportunities in future.

- Mr.SHAROOK KHAN OF EEE



I express my deepest thanks to AVIT and our EEE faculties for helping me to take part in the competition of ISF 2021 at Pune & giving necessary advices, guidance and for making all necessary arrangements for a safer trip . I choose this moment to acknowledge all the happenings that made us shine and I am feeling thankful for the incentive given by the management.

- MS. SIVARANJANI OF SAE



I express my gratitude to AVIT for giving me the opportunity to participate in ISF competition at Pune .I also extend my gratitude to the faculty members and Head of the Department of EEE for their support and guidance. I also feel thankful for the incentive provided by the college.

- Ms.PREETHI DINAGARAN OF SAE

VOICE OF ALUMNI



I still remember my first day in AVIT. Coming from Jharkhand to Chennai, had a real tough time !!! I reached Panaiyur in place of Paiyanoor....Hahaha, Poor me “Good Things Don’t Come Easy” Isn’t it? But It was a place that had put me to test, time and again, challenged me every single time, fought with that, some time failed then succeeded and rejoiced the

moment. It was also a place that had given me an environment of unparalleled opportunities. I truly believe that the faculty members of AVIT were excellent in teaching, equally supportive also. Laboratory and other facilities added a greater value in my learning process. I do remember the day when I was recruited by Wartsila India Ltd in campus interview.

- Mr.Suraj Gupta of EEE(2006-2010 BATCH)

AVIT has given me the opportunity to explore my knowledge towards every aspect. The trainings and workshops helped me to enhance my skills towards the goal. AVIT has given me the opportunity to meet the dignitaries from Thailand, and to be a part of student exchange program to Thailand. I would like to thank the management and friendly staffs for building my skills & knowledge towards my achievement

- Mr.Vignesh R of EEE

GLIMPSES



International university tie-up



Thailand's Naresuan university visit



National convention and conference- IEI



Best Paper award



International conference in SGTECH



1st in International Virtual Hackathon Sahayak 1.01



IIT Shaastra event- Petra



Indian science festival in Pune



Symposium – INNOV AVIT



Projects from Research Lab



Vishwakarma award by AICTE



Best student award by ISTE



Gandhi Global Solar Yatra



Skill Development and Industrial Training



Automatic hand sanitizer- Product



Industrial training from SIEMENS: COMOS

GLIMPSES



**1st place in National
Formula Hybrid Championship**



**Appreciation from the Chief minister
of Pondicherry- V2 Buddy**



Scavenger Robot



**V2 Buddy in VMRF
Medical college, Salem**



**Best Achiever Award 2021
Dr. L. Chitra**



**Techgium : L & T
Technologies and solution**



Research based Labs



**V2 Buddy in Government Multi
super speciality hospital-Omandhur**

**THE OFFICIAL NEWSLETTER OF
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VOLUME 3 ISSUE 1**

CIRCUIT NEWS



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