



INSPIRE

Electrical and Electronics Engineering

Bi-Annual News Letter

Issue-17/ Volume-14/August 2023

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Dr. Parthasarathy L,
Prof & Head, Dept. of EEE ATMECE, Mysuru

EDITORIAL DESK

This newsletter provides a proper platform to students and faculty to exhibit their creative talents. It is becoming a need to motivate the students community in technical Institutions to be exposed to additional knowledge over and above those in prescribed curriculum in order to provide them an opportunity to professionally mature at faster rate. I congratulate all the students and faculty and who have contributed their valuable creations for publication in this issue. I also take this opportunity to appreciate the strenuous effort made by the editorial to bring out the newsletter. I convey my good wishes to all the readers and wish them a happy and enjoyable reading

CO-EDITOR



Mr. Shreeshayana R
Assistant Professor Dept. of Electrical & Electronics Engineering
ATME College of Engineering Mysuru

Key Milestones of ATMECE

NBA Accreditation, EEE,ECE,ME,CE (II Term);CSE(I Term)
NAAC A+ Grade (I Cycle)
VTU 8th Rank :Electrical & Electronics Engineering

Rated Gold by QS I-Gauge for Overall Excellence
Swachh Institute, GoI: 2019-2020
DST, AICTE-MODROB Grants: 2.50+ Crores

CONTENTS

KEY MILESTONES

1. Editorial Desk
2. Key Milestones
3. About the Department
4. Department Activities
5. Student achievements
6. Career Guidance and Placement
7. Photo Collage

- Ms. Safeena Shazia Secured **8th Rank** in University with an average score of 84.55%
- **NAAC A+** grade Accreditation in the first cycle.
- **National Board of Accreditation** (Term-I: 2019-2022; Term-II: 2022-2025)
- **AICTE-MODROB Funding** for Cybersecurity in Power Systems
- **Best Student Project** under Karnataka State Council for Science and Technology(KSCST) for 3 Consecutive Years
- Financial Assistance for student Projects by VTU and KSCST.
- 2019-2023 Graduating Batch:100 % Results in VIII Sem.
98% and above Results in all Graduating batches.
- **Inter Institute Project Winners**, Toycathon Semi-finalists, IIC-MHRD proposal, IICDC-DST participation etc.
- University level sports representation with **gold medal**.
- **Average Placement:** 70 % and above (Last 3 Years)
- **Our Alumni are entrepreneurs** owning companies like FLARE LED, Madhu Electricals, Eagle Electricals, Manswi Infotech, nclues etc
- Alumni are working in premier MNCs like **Oracle, IBM, Infosys, L&T, SIEMENS, JP Morgan** etc and in government sector as Junior Engineers.

Social Media Platforms

YouTube: <https://www.youtube.com/@ATMECEOfficial>
LinkedIn: <https://www.linkedin.com/school/atme-college-of-engineering>

Facebook: <https://www.facebook.com/atmeceofficial/>
Instagram: <https://www.instagram.com/atmeceofficial/>

About the Department of Electrical & Electronics Engineering



The Department of Electrical & Electronics Engineering believes in imparting holistic education, where the student community is the focal point of the learning process. We offer a motivating environment for knowledge assimilation with a sense of social responsibility and human values. The department Undergraduate Program is Accredited by National Board of Accreditation (for second time up-to 2024-2025) and has well qualified and experienced faculty members with specialization in Power systems, Power Electronics, Energy Systems & Management, Computer Applications in Industrial Drives, Bio-Medical Signal Processing & Instrumentation and VLSI Design & Embedded systems. All the laboratories relevant to the program are established as per Visevesvaraya Technological requirement and the department is highly committed to bring-in the state of art laboratories to provide quality education for present challenging societal and industrial needs. We update and associate with training institutes to ensure that our students gain technical, interpersonal and communication skills.

To prepare our students for Industry-ready, the Department has MoU with Vidyut Automation, Innovaskill Technologies, Xponential orbit shifters, which provide Domain Specific Training in the area of Industrial Automation, Embedded system design, Cyber security in Power systems. This enables the students to exhibit their Technical skills in the the field of Automation, Embedded system design and Cyber security.

Affiliation



Accreditation



Department Activities

A. Faculty Activities

A.1 Faculty Development Programme, AY 2022-23

SL. No.	Name of the Faculty	Title	Date	Organized by
1	Mr.. Vinod Kumar P	Five Days Workshop on "Recent Trends in Automation Technologies for MSME Development "	30th January to 3rd February 2023	Department of Mechanical Engineering & VTU RO, Mysuru
2	Dr Sathish K R	Two Day National Workshop on "Emerging Trends in Power Engineering"	30-Jan-2023 to 31-Jan-2023.	Department of Electrical Engineering, NIT Warangal
3	Mr. Vinod Kumar P & Mr. Shreeshayana R	"Hands-on Training Program" on Recent Advances in Industrial Artificial Intelligence, Data Fusion & Computing	27th and 28th Feb 2023	Department of Aerospace Engineering, IISc, Bengaluru
4	Dr. Shakunthala C	AICTE – VTU Joint Teachers Training Programme on Introduction to Python Programming & its Applications	13th – 17th March 2023	Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur
5	Mr.Praveen Kumar M	INUP Basic Training Program in Nano Science and Technology(online Mode)	13th – 15th March 2023	Centre for Nano Science and Engineering, IISc Bengaluru
6	Dr Sathish K R	5G/6G Technologies for Wireless Systems" Faculty Development Program	March 27th to March 31st 2023	Department of Electronics and Communication Engineering, ATME College of Engineering, Mysuru
7	Dr Sathish K R	Intellectual Property Rights	25th to 27th April, 2023	11M T College of Polytechnic, Greater Noida, (U.P)
8	Mrs. Sowmyashree K S	"Capacity Building Program In Cyber Security & Its Investigation (Cyber Security/information Security/Network Security)	1st to 10th May 2023	Research Foundation of India and RFI-CARE

SL. No.	Name of the Faculty	Title	Date	Organized by
9	Mr. Raghavendra L	Intellectual Property Rights	25th to 27th April, 2023	IIMT College of Polytechnic, Greater Noida, (U.P)
10	Mr. Raghavendra L	EV Charging Technology and Infrastructure Development	30th March 2023 to 3rd April 2023	Sardar Vallabhbhai National Institute of Technology, Surat-395007, Gujarat, India
11	Ms. Swapna H	Emerging Design, Innovation, and Technology (EDIT) workshop: Medical Device Design	12th May to 23rd May 2023	Indian Institute of Technology, Roorkee, Uttarakhand

A.2 MOOC Certifications

SL.No.	Faculty Member	Course Title	Platform	Duration
1	Mr.Shreeshayana R	STTP-Foundation of Cognitive Robotics	SWAYAM	4 Weeks
2	Mr.Shreeshayana R	STTP-Design, Technology and Innovation	SWAYAM	8 Weeks
3	Mr.Shreeshayana R	STTP-Swayam-Introduction to Intellectual Property Rights	SWAYAM	12 Weeks
4	Dr.Sathish K R		SWAYAM	12 Weeks

A.3 NITTTR Certification

SL.No.	Faculty Member	Module
1	Ms.Maria Sushma S	STTP-M1-Orientation Towards Technical Education and Curriculum Aspects
2	Ms.Sowmyashree K S	
3	Ms.Maria Sushma S	STTP- Module 4_ Instructional Planning and Delivery
4	Ms. Sowmyashree K S	
5	Dr.Sathish K R	STTP-Module-6:Student Assessment and Evaluation

SL.No.	Faculty Member	Module
6	Mr.Vinod Kumar P	STTP-NITTT- Module-8: Institutional Management & Administrative Procedures
7	Mr.Shreeshayana R	STTP-NITTT-Module-1 to 8 Completed
8	Ms.Swapna H	

A.4 Publications Details – Calendar Year Wise

Year	Scopus/WoS			Total
	Journal	Conference	Total	
2023	3	9	12	12

A.5 Workshop Organized

Sl. No	Event Name	Category of the Event	Date
1	Workshop-CYBER SECURITY AND DIGITAL FORENSICS	FDP/Workshop	21.08.2023 to 25.08.2023

A.6 Details of R&D Centre

Research Centre	Research Supervisor Name
Electrical and Electronics Engineering	Dr. Parthasarathy L
	Dr. Sathish K R
	Dr. Shakunthala C

B. Student Activities

B.1 Domain Specific Training

Sl. No	Event Name	Category of the Event	Total no. of Participation
1	DST: Industrial Automation - level-1 IV semester (2026 passing batch)	Domain Specific Training	23
2	DST: Embedded Systems- level-1 IV Semester (2026 passing batch)		29
3	DST: Industrial Automation Level-2 VI Semester(2024 Passing batch)		29

SI No.	Date	Name of the Activity	MoU Company	Participants Semester	No of Participants
1.	24.11.2022	Technical Talk on Embedded System design & IoT	Innovaskill Technologies Private Limited, Bengaluru	7th Semester	52Students
2.	10.12.2022 to 27.01.2023	Domain Specific Technical Training on Industrial Automation, Level-1 Full semester (45 hours hands-on training program)	Vidyut Automation, Mysuru	5th Semester	28 Students
3.	19-01-2023	Technical Talk on Awareness on cyber security	Xponential orbit shifters Bangalore	3rd Semester	24 Students
4.	04-1-2023	Technical Talk on Electrical Switchgear & Applications	Universal Power control, dBsons (Not under MoU, Activity conducted)	7th Semester	52Students
5.	08-06-2023	Technical Talk on Industrial Automation	LetsPro	4 th Semester	52 Students

Outcome



Pic. Sample Certificate from Vidyut Automation, Mysuru

B.2 Technical Talk

SI No.	Date	Name of the Activity	MoU Company	Participants Semester	No of Participants
1.	24.11.2022	Technical Talk on Embedded System design & IoT	Innovaskill Technologies Private Limited, Bengaluru	7th Semester	52Students
2.	19-01-2023	Technical Talk on Awareness on cyber security	Xponential orbit shifters Bangalore	3rd Semester	24 Students
3.	04-1-2023	Technical Talk on Electrical Switchgear & Applications	Universal Power control, dBsons (Not under MoU, Activity conducted)	7th Semester	52Students
4.	08-06-2023	Technical Talk on Industrial Automation	LetsPro(Not under MoU)	4 th Semester	52 Students



Pic. Sample Technical Talk Activity by Xponential Orbit Shifters

C. Student Achievements

C.1 SWAYAM Certification

Students are encouraged to undergo Certification under various MOOC certification platforms like SWAYAM/NPTEL/Coursera/eDx etc.

Outcome:



Pic. Sample Certification by Students

C.2 State Level Technical Fest

Date: MAY 8, 2023

Venue: Department of Electrical and Electronics Engineering

College: ATME College of Engineering, Mysuru



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Department of Electrical and Electronics Engineering

Ref. No./ATME/EEE/AY 2022-23/EVEN/21

08th May 2023

Results of State Level Technical Project Exhibition

The Department association "QUANTUM" had organized a "State Level Technical Fest: AVAGAMAH-2023" on 08th May 2023 for Final & Pre-Final Year Students of Engineering institutions. The results of the event are as follows:

Category: ON Campus Participation.

Sl. No.	TEAM ID	Title of the Project	Institute	Team Lead	Award
1	E5	Mitigation of Voltage Sag, Swell and Harmonics Using 19 Level UQC	JSSSTU, Mysuru	CHANDRA MOHAN S 01JST19EE010	1 st Place
2	E4	EV Mithra	VVIET, Mysuru	KUMAR GOWDA K 4VM20EE412	2 nd Place
3	A6	Portable Ventilator for Critical Health Care Applications	ATMECE Mysuru	MEGHANA M 4AD19EE008	3 rd Place
4	E9	Aqua Quality Surveillance Boat	VVIET, Mysuru	CHARAN 4VM19EE010	Consolation Prize

Category: Online Participation

Sl. No.	TEAM ID	Title of the Topic	Institute	Team Lead	Award
1	O14	Low cost E-Rickshaw for Rural Application	DBIT, Bengaluru	RAKESH V 1DB20EE410	1 st Place
2	O10	IOT Based System to Control Household Appliances and Monitor Its Energy Consumption	BITM, Ballari	MD MOHSEEN S 3BR20EE413	2 nd Place
3	O13	A Multi-purpose drone for drugs distribution, sanitization and to provide COVID-19 Awareness	GMIT, Mandya	SHIVARAJ M S 4MG18EE011	3 rd Place
4	O4	Real-Time Face Mask Detection and Monitoring System (RFMDM)	NMIT, Bengaluru	K B PAVAN INT19EC077	Consolation Prize

The Winners will receive cash prize through NEFT to the Team Lead Account as early as possible.

Dr. Parthasarathy L.
Organizing Chairman
Dr. PARTHASARATHY L.
Professor and HOD
Dept. of Electrical & Electronics Engineering
ATME College of Engineering, Mysuru

Principal
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Pic: Winners of State Level Technical Fest, Avagamah

C.3 Karnataka State Council for Science and Technology

Financial Assistance Selected Projects

AY:2022-23

Link: https://www.ksct.org.in/spp/46_series/46s_spp/01.html

Student Name	Title	Guide	Agency	Amount in Rs
MD.Ismail Syed Yakoob MD.Ashfaq Noor Kamil	Development of Ergonomic Affordable Prosthetic Arm for Transradial Amputees	Prof.Shreeshayana R Dr.Parthasarathy L	KSCST	7000
Sampath Kumar G Pallavi K Chanukya T S Prajwal	Design and Fabrication of Solar Powered Portable Medical Refrigerator for Remote and Rural Areas using Peltier Effect	Prof.Sowmyashree K S Dr.Parthasarathy L	KSCST	7000

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bangalore – 560 012
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46th series of Student Project Programme (SPP): 2022-23
 List of Student Project Proposals Approved for Sponsorship

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (RS.)
31.	46S_BE_1779	DURABILITY OF HIGH PERFORMANCE CONCRETE WITH INCLUSIVE OF TWO DIMO MATERIALS	B.E.	CIVIL ENGINEERING	Mr. SHASHANK P Mr. SRIVATHSA H U	Mr. HARSHITHA B Mr. ANGOUDA B Mr. NAGENDRA PRASAD R Mr. SAGAR S	5,000.00
32.	46S_BE_1826	DURABILITY PROPERTIES OF GEOPOLYMER CONCRETE	B.E.	CIVIL ENGINEERING	Mr. SRIVATHSA H U	Mr. ADARSH BOPPAH J N Mr. ABHISHEK K Mr. MITHRA J R Mr. NATHA PRAKASH	5,000.00
33.	46S_BE_1903	EVALUATION OF DENSE BITUMINOUS MACADAM (DBM) MIXTURE USING RECLAIMED ASPHALT PAVEMENT (RAP)	B.E.	CIVIL ENGINEERING	Mr. RUDRESH A N	Mr. VARUN B Mr. DHANUSH V Mr. SAIWOD ATHIR Mr. GOVINDHARANNA	5,000.00
34.	46S_BE_2013	IMAGE CAPTION GENERATOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. J V DORABAL	Mr. ANURICH NETIN SAKARE Mr. CHANIL D Mr. KUSHORE K Mr. MANJUNATH D	2,000.00
35.	46S_BE_3054	DEVELOPMENT OF ERGONOMIC AFFORDABLE PROSTHETIC ARM FOR TRANSRADIAL AMPUTEES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mr. SHREESHAYANA R Dr. PARTHASARATHY L	Mr. MOHAMMED USABE Mr. MOHAMMED ASHTAQ Mr. MOHAMMED SYED YAKOUB Mr. NOOR KAMIL	7,000.00
36.	46S_BE_3115	DESIGN AND FABRICATION OF SOLAR POWERED PORTABLE MEDICAL REFRIGERATOR FOR REMOTE AND RURAL AREAS USING PELTIER EFFECT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mr. SOWMYASHREE K S Dr. PARTHASARATHY L	Mr. SAMPATH KUMAR G Mr. CHANUKYA T S Mr. PALLAVI K Mr. PRAJWAL	7,000.00

KSCST: 46th Series of Student Project Programme (SPP): Sponsored Projects

C.4 Inter Institute Project Competition Winners



Pic :Portable Ventilator for Critical Health Care Monitoring Received Cash Prize for Best Project at ATMECE, Mysuru ; Project Gude: Dr.Shakunthala C



Pic :Portable Ventilator for Critical Health Care Monitoring Received Cash Prize for Best Project at IEEE YESIST12 2023 from NMITE, Bengaluru; Project Gude: Dr. Shakunthala C

C.5 Meritorious Award for Toppers



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Affiliated to VTU, Belagavi; Approved by AICTE, New Delhi and recognized by Government of Karnataka
Programs accredited by NBA, New Delhi – CV, EC, EE and ME
(Validity: 2022-23 to 2024-25)

Program: Electrical and Electronics Engineering

SL.NO	Award	USN	NAME	Final CGPA /Marks
1	Skill Tech Memorial Award Branch Topper	4AD19EE007	KAVYA G	9.17
2	Manjulamma Memorial Award Highest marks in the Course "Electrical Circuit Analysis" in Electrical and Electronics Engineering	4AD19EE007	KAVYA G	84/100
3	Sai Yeshorathna Memorial Award Branch Second Topper	4AD19EE020	USHA C M	8.56
4	Siddamma Lakshmana Shetty Memorial Award Branch Topper- Lateral Entry	4AD20EE401	ARJUN H V	8.20

ACADEMIC PERFORMANCE

USN	NAME	1ST SEM		2ND SEM		3RD SEM		4TH SEM		5TH SEM		6TH SEM		7TH SEM		8TH SEM	
		SGPA	CGPA	SGPA	CGPA	SGPA	CGPA	SGPA	CGPA	SGPA	CGPA	SGPA	CGPA	SGPA	CGPA	SGPA	CGPA
4AD19EE007	KAVYA G	9.1	9.1	9.35	9.23	8.46	8.94	9	8.95	9.2	9.01	9.25	9.05	9.4	9.1	9.83	9.17
4AD19EE020	USHA C M	7.75	7.75	9	8.38	7.92	8.2	8.88	8.39	8.36	8.38	8.63	8.42	8.5	8.43	9.67	8.56
4AD20EE401	ARJUN H V	NA	NA	NA	NA	7.5	7.5	8	7.75	7.96	7.82	8	7.87	8.8	8.03	9.33	8.2



Pic: Kavya G, recipient of the Award

C.7 Semester Toppers

AY:2022-23

IV Semester



ANJANA CV- 4AD21EE001

SGPA:9.14

VI Semester



KARTHIK R - 4AD20EE009

SGPA:9.33

VIII Semester



KAVYA G - 4AD19EE007,

SGPA- 9.83

D. Career Guidance and Placement

Placement training plays a major role in shaping up the career goals of students. The Training Division of the ATMECE Placement Cell offers training with a vision to cater to the requirement of industries. Training etiquette like Business English, Personality Development, logical & verbal analysing ability, Group Discussion, Resume writing etc are expected from graduates. Keeping this key aspect into consideration, it is realized that training is important to create an exposure, enhance skillset, build confidence amongst engineering students to enhance their employability and achieve good placement in various Industries

D.1 Placement Report

AY:2022-23

SL.No.	USN	NAME	DESIGNATION	COMPANY PLACED	PACKAGE IN LPA
1	4AD19EE002	Bhavana K N	Business Development Trainee Assistant Engineer Trainee	Intellipaate software solutions Micron Electricals	7.25
2	4AD19EE007	Kavya G	Project Associate	PRDC	2.4
3	4AD19EE009	Mohammed Ismail	Junior Electrical Engineer.	Setty Mech Engineers (P) LTD.	2.1
4	4AD20EE402	Chanukya	Electrical Multi skill Technician	AMPS	2.7
5	4AD20EE403	Dhanush NS	Junior Engineer-Maintenance Dept	Ashok Leyland Ltd	4
6	4AD20EE405	Hemanth C	CAM Engineer	Wuerth Electronic India Pvt Ltd	3.64
7	4AD20EE411	Manoj kumara S	Automation Graduate Engineer Trainee	Oasis Automation Technologies	3.24
8	4AD20EE424	Suhas T	Assistant Engineer Trainee	Micron Electricals	2.96
9	4AD19EE021	VS Shreyas Kawadi	Assistant Engineer Trainee	Micron Electricals	2.96
10	4AD20EE404	Gangadhar	Lead Trainee	Sundaram Auto Components Limited	2.4
11	4AD20EE421	Sanjeev Kumar T K	Lead Trainee	Sundaram Auto Components Limited	2.4
12	4AD20EE417	Ranganath	Junior Engineer	Accenture	3
13	4AD19EE006	Sahana K M	Graduate Engineer Trainee	Nestle, Nanjangud	1.8
14	4AD20EE425	Sukruthi S	Trainee	Automotive Axel	2
15	4AD20EE407	Kiran N R	Junior Engineer	Accenture	2.7
16	4AD20EE426	Syed Afrid	Junior Electrical Engineer	Setty Mech Engineers (P) LTD.	2.1
17	4AD20EE410	Mahadevaprasad G	Graduate Engineer Trainee	Nestle, Nanjangud	1.8

D.2 Training Activity

SL.No.	Training	Semester
1	Aptitude Verbal & Reasoning-III In-House Training	VI
2	Aptitude Verbal & Reasoning-I In-House Training	IV

Photo Collage



Pic: Project Presentation, Social Outreach, Fresher's Day, Farewell, Ethnic Day

U.G Programs

Electrical and Electronics Engineering
Electronics and Communication Engineering
Mechanical Engineering

Civil Engineering
Computer Science & Engineering (CSE)
CSE (AI-ML)

CSE (Data Science)
CSE (Computer Science & Design)
CSE (Cyber Security)

PG PROGRAM

Master of Computer Applications