NATIONAL ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)
K.R.NAGAR, KOVILPATTI - 628503.

EEE NEWSLETTER

January 2023
Volume 10 Issue 2

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CONTENTS

VISION OF THE DEPARTMENT

- ✓ Promoting active learning, critical thinking coupled with ethical values to meet the global challenges.

MISSION OF THE DEPARTMENT

- ✓ To instill state-of-the-art technical knowledge and research capability that will prepare our graduates for professionalism and life-long learning.
- ✓ To update knowledge to meet industrial and real world challenges.
- ✓ To inculcate social and ethical values.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- ✓ Excel in industrial or graduate work in Electrical Engineering and allied fields.
- ✓ Practice their profession conforming to ethical values and active participation in the affairs of the profession.
- ✓ Adapt to evolving technologies and stay current with their profession.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- ✓ **PSO1:** Apply the basic knowledge of mathematics, science and engineering to identify, formulate, design and investigate complex engineering problems of power electronics and drives, power and energy systems, high voltage engineering, control and instrumentation and applied electronics.
- ✓ **PSO2:** Apply the modern engineering hardware and software tools in electrical and electronics engineering to adopt in multi disciplinary environments and innovative practices.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

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.
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 in independent and life-long learning in the broadest context of technological change.

PLACEMENT DETAILS – BATCH: 2023
U.G – ELECTRICAL AND ELECTRONICS ENGINEERING

S.NO	NAME OF THE STUDENT	NAME OF THE COMPANY	SALARY PACKAGE
1	AKASH.C	Brimma Tech Private Limited, Chennai	500000
2	RAHUL. V	Brimma Tech Private Limited, Chennai	500000
3	SOWMIYA A S	Brimma Tech Private Limited, Chennai	500000
4	SRIRAMAN. R	Brimma Tech Private Limited, Chennai	500000
5	SUSEEL RAJA.P	Brimma Tech Private Limited, Chennai	500000
6	VARATHA RAJAN. L	Brimma Tech Private Limited, Chennai	500000
7	RAMESH R S	Brimma Tech Private Limited, Chennai	500000
8	JASSIM MOHAMMED S	Capgemini Private Limited, Chennai	400000
9	MOHAMED RIYAS P S	Capgemini Private Limited, Chennai	400000
10	YASAR ARAFATH P	Capgemini Private Limited, Chennai	400000
11	RAJA LAKSHMI M	Capgemini Private Limited, Chennai	400000
12	SUBALAKSHMI J	Capgemini Private Limited, Chennai	400000
13	YAMINI RAJAM. R	Capgemini Private Limited, Chennai	400000
14	RAMESH R S	Centizen, Tirunelveli	307500
15	STEPHEN A	Centizen, Tirunelveli	307500
16	AKSHAYA P	Cognizant Technology Solutions, (CTS), Chennai	401986
17	BALAGANESH S	Cognizant Technology Solutions, (CTS), Chennai	401986
18	JOYSLIN JANET J	Cognizant Technology Solutions, (CTS), Chennai	401986
19	MAMTHA P	Cognizant Technology Solutions, (CTS), Chennai	401986
20	NITHU ANISHKA N	Cognizant Technology Solutions, (CTS), Chennai	401986
21	SHARMIE V	Cognizant Technology Solutions, (CTS), Chennai	401986
22	VINOTH A	Cognizant Technology Solutions, (CTS), Chennai	401986
23	PERUMAL A	Cognizant Technology Solutions, (CTS), Chennai	401986
24	PON SARAVANA KUMAR S	Cognizant Technology Solutions, (CTS), Chennai	401986
25	STEPHEN A	Cognizant Technology Solutions, (CTS), Chennai	401986
26	ANUSUYA DEVI G	Cognizant Technology Solutions, (CTS), Chennai	401986
27	VASUKI G	Cognizant Technology Solutions, (CTS), Chennai	401986
28	YASAR ARAFATH P	Cognizant Technology Solutions, (CTS), Chennai	401986
29	JEY SHREE LAKSHMI J	Cognizant Technology Solutions, (CTS), Chennai	401986
30	MOHANA INDHU PRIYA A	Cognizant Technology Solutions, (CTS), Chennai	401986

31	SUBALAKSHMI J	Cognizant Technology Solutions, (CTS), Chennai	401986
32	GOKUL K	COMCAST, Chennai	700000
33	SUBALAKSHMI J	COMCAST, Chennai	700000
34	MOHANA INDHU PRIYA A	COMCAST, Chennai	700000
35	YAMINI RAJAM. R	COMCAST, Chennai	700000
36	VASUKI G	Hexaware Technologies, Chennai	400000
37	RAJA LAKSHMI M	KARR Technologies, Chennai	650000
38	NITHIN DURAI E	Movate Technologies (Formerly CSS Corp), Chennai	200232
39	JEKHAN J S	Solaritis Technologies, Madurai	350000
40	ANUSUYA DEVI G	Solaritis Technologies, Madurai	350000
41	VISHNU PRIYA G	Tata Consultancy Services, (TCS), Chennai	336877
42	SUBALAKSHMI J	Tata Consultancy Services, (TCS), Chennai	336877
43	YASAR ARAFATH P	Tata Consultancy Services, (TCS), Chennai	336877
44	JOYSLIN JANET J	Tata Consultancy Services, (TCS), Chennai	336877
45	MOHANA INDHU PRIYA A	Tata Consultancy Services, (TCS), Chennai	336877
46	PRATHICK KUMAR G	Vinsinfo Private Limited, Chennai	331884
47	RAHUL R	Zoho Corporation, Chennai	720000
48	VALLIAMMAI V	JSW Group	950000
49	ANANTHANARAYANAN V	Gulf Asia Engineering and Products Private Limited, Middle East	576000
50	CHANDRU P	Anora Labs, Bangalore	450000
51	FERDIN PHILO RAJA T. A	Avalon Technologies, Chennai	300000
52	JAGANATH RP	Data Patterns Private Limited, Chennai	360000
53	JAGATHISH L	Data Patterns Private Limited, Chennai	360000
54	JEY SHREE LAKSHMI J	Data Patterns Private Limited, Chennai	360000
55	NAVANEETHA KRISHNAN C	Data Patterns Private Limited, Chennai	360000
56	PON SARAVANA KUMAR S	Data Patterns Private Limited, Chennai	360000
57	SETHURAMALINGAM. G	Data Patterns Private Limited, Chennai	360000
58	VIGNESHWARAN. M	Data Patterns Private Limited, Chennai	360000
59	VIJAYABALAN.V	Data Patterns Private Limited, Chennai	360000
60	ESAKKI SANTHIYA S	Salzer Electronics, Coimbatore	180000
61	VINOTHINI M	Salzer Electronics, Coimbatore	180000
62	VISHNU PRIYA G	Salzer Electronics, Coimbatore	180000
63	PERUMAL A	Smart IOPS Private Limited, Trivandrum	420000
64	ANURAGA J	Tessolve Semiconductor Private Limited, Bangalore	336564

65	BAGAWATHI R	Tessolve Semiconductor Private Limited, Bangalore	336564
66	MOHANA INDHU PRIYA A	Tessolve Semiconductor Private Limited, Bangalore	336564
67	ANISH M	Triggo Tech Engineering, Chennai	180000
68	ARIF NAUSHAT	Triggo Tech Engineering, Chennai	180000

P.G – HIGH VOLTAGE ENGINEERING

S.NO	NAME OF THE STUDENT	NAME OF THE COMPANY	SALARY PACKAGE
1	GANESH KUMAR M	Cognizant Technology Solutions, (CTS), Chennai	401986
2	SAJEENA PONMANI B	Renault Nissan Technology & Business Centre, Chennai	525000

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HTTPS://WWW.INSTAGRAM.COM/DEPT_OF_EEE_NEC/

https://twitter.com/hod_eee_nec

STAFF ACTIVITIES

COURSE ATTENDED

S.No.	Name of the Staff	Events	Topic/Event	Date	College/Industry
1	Mr.M. Karthik Kumar, AP	Training Course	Optimization techniques used in Renewable resources and Power Systems	22.08.2022 – 05.09.2022	National Small Industries Corporation Ltd., Hyderabad
2	Mr.M. Karthik Kumar, AP	FDP	Next-generation Applications in Electrical and Electronics Engineering	15.09.2022 – 21.09.2022	National Institute of Technology, Patna
3	Mr.M.Sivapalanirajan, AP	FDP	Virtual Trainer's training program on Entrepreneur	26.09.2022 – 30.09.2022	EDII, Ahmedabad
4	Dr.B. Vigneshwaran & Mr.M.Gengaraj, AP(SG)	FDP	Python for Data science	July – Sep 2022	IIT, Madras
5	Mr.K. Kumar, AP	FDP	Power System Analysis	July – Sep 2022	IIT, Khargpur
6	Dr.M.Bakrutheen, AP(SG)	FDP	Selection of Nano-materials for Energy Harvesting and Storage Applications	July – Sep 2022	IIT, Madras
7	Dr.M.P.E. Rajamani, AP(SG) & Dr.S. Sankarakumar, AP(SG)	GIAN Course	Evolution of Power Electronics for EV Charging Infrastructure	02.01.2023 – 06.01.2023	Malaviya National Institute of Technology Jaipur

STAFF PUBLICATIONS

INTERNATIONAL JOURNAL

S.No	Authors Name	Name of the Journal	Title of the Paper	Vol. No& Page No	Year
1.	*P. Samuel Pakianathan, R.V. Maheswari*	Intelligent Automation and Soft Computing	Breakdown Voltage Prediction by Utilizing the Behavior of Natural Ester for Transformer Applications	Vol.35, No.3, pp. 2717-2736	2022
2.	*Rajamani, M.P.E.,* Rajesh, R. & *Iruthayarajan, M.W.*	Sādhanā	A PID control scheme with enhanced non-dominated sorting genetic algorithm applied to a non-inverting buck-boost converter	Vol. 47, Article No. 222	2022

3.	Mariprasath, T., **Ravindaran, M.**	Sādhanā	An experimental study of partial discharge analysis on environmental friendly insulating oil as alternate insulating material for transformer	Vol. 47, Article No. 204	2022
4.	Veera Ajay C, Elangovan S, Kamaraja AS, **Karthik Kumar K**, Pratheesh Kumar S	Proc IMechE Part C: J Mechanical Engineering Science	Optimization and prediction of incremental sheet forming parameters of Titanium grade 5 sheet using a response surface methodology and artificial neural network	https://doi.org/10.1177/09544062221133674	2022

INTERNATIONAL CONFERENCE

S. No.	Name of the authors	Title of the Paper	Name of the Journal/Conference	Year
1	K. KARTHIK KUMAR, F. ANTONY JEFFRY VAZ, M. WILLJUICE IRUTHAYARAJAN, A.S. KAMARAJA	An automatic solar panel performance monitoring system and load control using IoT technique	5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023), Francis Xavier Engineering College, Tirunelveli	2023
2	K. KARTHIK KUMAR, M. WILLJUICE IRUTHAYARAJAN, A.S. KAMARAJA	Exploiting Reliable Power from Independent PV-Battery System by Combining improved INC with a power Management Circuitry	3rd International Conference on Artificial Intelligence and Smart Energy (ICASIS 2023), JCT College of Engineering and Technology, Coimbatore	2023

STAFF ACHIEVEMENTS/PARTICIPATION

NPTEL CERTIFICATION

S.No	Name of the Staff	Course Name	Date	Organizer
1	Dr.M.P.E.Rajamani, AP(SG)	DC Microgrid and Control Systems	July-Sep 2022	Elite + Gold
2.	Dr.M.Bakrutheen, AP(SG)	Selection of Nano-materials for Energy Harvesting and Storage Applications	July-Sep 2022	Elite + Sliver
3.	Mr.M. Sivapalanirajan, AP	Control Systems	July-Sep 2022	Elite + Sliver
4.	Dr.S.Sankarakumar, AP(SG)	DC Microgrid and Control Systems	July-Sep 2022	Elite
5.	Dr.B.Vigneshwaran, AP(SG)	Python for Data Science	July-Sep 2022	Elite

6.	Mr.B.Venkatasamy, AP(SG)	DC Microgrid and Control Systems	July-Sep 2022	Elite
7.	Mr.M.Gengaraj, AP(SG)	Python for Data Science	July-Sep 2022	Elite

STUDENTS ACHIEVEMENTS/PARTICIPATION

NPTEL ACHIEVEMENTS/PARTICIPATION

NPTEL CERTIFICATION – JAN – APR 2022

S.No	Reg. No.	Name of the Student	Name of the NPTEL Course Registered	Course Period	Remarks
1	2013003	VENKATESHKANNAN S	The Joy of Computing using Python	Jan-Apr 2022	Elite
2	2013005	AKASH A	The Joy of Computing using Python	Jan-Apr 2022	Elite
3	2013008	CHRISTEN.R	The Joy of Computing using Python	Jan-Apr 2022	Elite
4	2013009	SELVA PRIYA.A	The Joy of Computing using Python	Jan-Apr 2022	Elite
5	2013011	SUJA G	The Joy of Computing using Python	Jan-Apr 2022	Elite
6	2013012	SELVAKRISHNAN.C	The Joy of Computing using Python	Jan-Apr 2022	Elite
7	2013013	MUTHUMARIAPPAN K	The Joy of Computing using Python	Jan-Apr 2022	Elite
8	2013020	HARSHINI.R	The Joy of Computing using Python	Jan-Apr 2022	Elite
9	2013023	DINESHKRISHNARAJA N	The Joy of Computing using Python	Jan-Apr 2022	Elite + Silver
10	2013033	RAGUL S	The Joy of Computing using Python	Jan-Apr 2022	Elite + Silver
11	2013036	ARUNKUMAR D	The Joy of Computing using Python	Jan-Apr 2022	Elite + Silver
12	2013037	RAJA SEKARAN E	The Joy of Computing using Python	Jan-Apr 2022	Elite + Silver
13	2013040	MOHAMED ALTHAF WAHID T.S	The Joy of Computing using Python	Jan-Apr 2022	Elite + Silver
14	2013042	SUNDAR RAJ. P	The Joy of Computing using Python	Jan-Apr 2022	Elite
15	2013043	SUDALAIMANI. G	The Joy of Computing using Python	Jan-Apr 2022	Elite

16	2013044	MOHAMMED ASIF A	The Joy of Computing using Python	Jan-Apr 2022	Elite
17	2013048	RAMAJAYANTHI. R	The Joy of Computing using Python	Jan-Apr 2022	Elite
18	2013050	SUBANJINI R	The Joy of Computing using Python	Jan-Apr 2022	Elite
19	2013014	KISHORE J	Programming in Java	Jan-Apr 2022	Elite + silver
20	1913008	KARTHICK PUGALUM PERUMAL N	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
21	1913009	MOHAMED RIYAS P S	Introduction to Internet of Things	Jan-Apr 2022	Elite
22	1913010	NITHIN DURAI E	Introduction to Internet of Things	Jan - Apr 2022	Elite
23	1913012	PON SARAVANA KUMAR S	Introduction to Internet of Things	Jan - Apr 2022	Elite
24	1913017	AKASH C	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
25	1913018	JEGAN RAJ G	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
26	1913019	VASUKI G	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
27	1913021	JOYSLIN JANET J	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver
28	1913023	RUSHMITHAA S B	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
29	1913025	SHIVRAM KUMAR M	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver
30	1913027	AKSHAYA P	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver
31	1913029	BALAGANESH S	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
32	1913030	CHANDRU P	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
33	1913031	ESAKKI SANTHIYA S	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
34	1913032	JEY SHREE LAKSHMI J	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
35	1913034	MAMTHA P	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
36	1913035	MOHANA INDHU PRIYA A	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
37	1913037	NITHU ANISHKA N	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
38	1913038	PERUMAL A	Introduction to Internet of Things	Jan-Apr 2022	Elite

39	1913040	RAJA LAKSHMI M	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver
40	1913041	RAMESH R S	The joy of computing using Python	Jan-Apr 2022	Elite + Silver
41	1913043	SOWMIYA A S	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
42	1913044	SRIRAMAN R	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver
43	1913045	SUBALAKSHMI J	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
44	1913048	VARATHA RAJAN L	Introduction to Internet of Things	Jan-Apr 2022	Elite
45	1913049	VIGNESHWARAN M	Introduction to Internet of Things	Jan-Apr 2022	ELITE
46	1913052	VISHNUPRIYA G	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
47	1913053	YAMINI RAJAM R	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver
48	1913054	VALLIAMMAI. V	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
49	1913401	ABDUL AASIM A	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
50	1913408	YASAR ARAFATH P	Introduction to Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite
51	1913411	JAGANATH RP	Introduction To Industry 4.0 and Industrial Internet of Things	Jan-Apr 2022	Elite + Silver

NPTEL CERTIFICATION – JUL – SEP 2022

S.No	Reg. No.	Name of the Student	Name of the NPTEL Course Registered	Course Period	Remarks
1	2113007	SASI BHARATHI V K	The Joy of Computing using Python	Jul - Sep 2022	Elite
2	2113008	ABISHEK M	The Joy of Computing using Python	Jul - Sep 2022	Elite
3	2113011	MUTHU IRULANDI T	The Joy of Computing using Python	Jul - Sep 2022	Elite
4	2113016	ANITHA R	The Joy of Computing using Python	Jul - Sep 2022	Elite
5	2113021	VAISHNAVI R	The Joy of Computing using Python	Jul - Sep 2022	Elite
6	2113024	VENKATESHWARI G	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
7	2113025	HARI HARA RAMASAMY A	The Joy of Computing using Python	Jul - Sep 2022	Elite

8	2113028	ANANTHI R	The Joy of Computing using Python	Jul - Sep 2022	Elite
9	2113030	DEEPAKUMARAN S	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
10	2113032	ESAKKIAMMAL A	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
11	2113033	HARI KRISHNA S	The Joy of Computing using Python	Jul - Sep 2022	Elite
12	2113035	MANI SHANKAR R	The Joy of Computing using Python	Jul - Sep 2022	Elite
13	2113036	MANISH M P	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
14	2113037	MOHAMMED ZUBAIR A	The Joy of Computing using Python	Jul - Sep 2022	Elite
15	2113039	NANCY FREEDA B	The Joy of Computing using Python	Jul - Sep 2022	Elite
16	2113041	PAVITH ASHWIN G K	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
17	2113045	VARSHA V	The Joy of Computing using Python	Jul - Sep 2022	Elite
18	2113047	YUVARANI M	The Joy of Computing using Python	Jul - Sep 2022	Elite
19	2113049	HIRIJA B	The Joy of Computing using Python	Jul - Sep 2022	Elite
20	2113050	GOPIKA G	The Joy of Computing using Python	Jul - Sep 2022	Elite
21	2113051	NITHEESH R	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
22	2113052	MERUTHULA M K	The Joy of Computing using Python	Jul - Sep 2022	Elite
23	2113054	HARINI A	The Joy of Computing using Python	Jul - Sep 2022	Elite
24	2113057	ARAVIND M	The Joy of Computing using Python	Jul - Sep 2022	Elite
25	2113060	SANGEETHA T	The Joy of Computing using Python	Jul - Sep 2022	Elite
26	2113061	AGNES VINCY J	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
27	2013001	SANTHOSH.S.P	The Joy of Computing using Python	Jul - Sep 2022	Elite
28	2013004	MICHAEL JERLIT.J	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
29	2013010	RAMANA A	The Joy of Computing using Python	Jul - Sep 2022	Elite
30	2013018	KISHORE KUMAR. P	The Joy of Computing using Python	Jul - Sep 2022	Elite

31	2013021	MOHAMED MUSAB V.M.	The Joy of Computing using Python	Jul - Sep 2022	Elite
32	2013024	SATHISH KUMAR. M	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
33	2013025	APSARA VAHINI P	The Joy of Computing using Python	Jul - Sep 2022	Elite
34	2013027	VASANTH. M	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
35	2013028	MOHANA KRISHNAN S	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
36	2013029	KIRUTHIKATHANGARATHI M D	The Joy of Computing using Python	Jul - Sep 2022	Elite
37	2013030	YUVARAJ S	The Joy of Computing using Python	Jul - Sep 2022	Elite
38	2013031	RAMYA.J	The Joy of Computing using Python	Jul - Sep 2022	Elite
39	2013034	PRIYADHARSHINI L	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
40	2013035	SANJIVAGURU A	The Joy of Computing using Python	Jul - Sep 2022	Elite
41	2013038	SWATHI D	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
42	2013041	SURIYA NARAYANAN . V	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
43	2013045	AUGASTIN S	The Joy of Computing using Python	Jul - Sep 2022	Elite
44	2013046	MATHAN KUMAR A	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
45	2013047	KALAI SANKAR K	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
46	2013049	DINESH.J	The Joy of Computing using Python	Jul - Sep 2022	Elite
47	2013052	SUBITHA V	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
48	2013053	SRI RANJANI M	The Joy of Computing using Python	Jul - Sep 2022	Elite
49	2013055	SHAKTHI SARAVANAN V.K.A	The Joy of Computing using Python	Jul - Sep 2022	Elite
50	2013058	SHYAM S	The Joy of Computing using Python	Jul - Sep 2022	Elite
51	2013401	KARTHIKAILAKSHMI. V	The Joy of Computing using Python	Jul - Sep 2022	Elite
52	2013402	MANIAZHAGAN. M	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
53	2013404	GOKULA KANNAN .N	The Joy of Computing using Python	Jul - Sep 2022	Elite

54	2013406	SRIRAM .K	The Joy of Computing using Python	Jul - Sep 2022	Elite
55	2013407	KRISHNAMOORTHI .K	The Joy of Computing using Python	Jul - Sep 2022	Elite
56	2013408	MIRACLE ANAND. P	The Joy of Computing using Python	Jul - Sep 2022	Elite + Silver
57	2013410	BALA MURUGAN. M	Enclosure Design of Electronics Equipment	Jul - Sep 2022	Elite + Silver
58	2013002	MATHAN RAJ.S	Introduction to Internet of Things	Jul - Sep 2022	Elite
59	2013003	VENKATESHKANNAN S	Introduction to Internet of Things	Jul - Sep 2022	Elite
60	2013005	AKASH A	Introduction to Internet of Things	Jul - Sep 2022	Elite
61	2013006	JESSIICAA. A	Introduction to Internet of Things	Jul - Sep 2022	Elite
62	2013007	VAISHIYA R	Introduction to Internet of Things	Jul - Sep 2022	Elite
63	2013008	CHRISTEN.R	Introduction to Internet of Things	Jul - Sep 2022	Elite
64	2013009	SELVA PRIYA.A	Introduction to Internet of Things	Jul - Sep 2022	Elite
65	2013011	SUJA G	Introduction to Internet of Things	Jul - Sep 2022	Elite
66	2013012	SELVAKRISHNAN.C	Introduction to Internet of Things	Jul - Sep 2022	Elite
67	2013013	MUTHUMARIAPPAN K	Introduction to Internet of Things	Jul - Sep 2022	Elite
68	2013014	J. KISHORE	Introduction to Internet of Things	Jul - Sep 2022	Elite
69	2013015	PONKATHIRVEL.D	Introduction to Internet of Things	Jul - Sep 2022	Elite
70	2013016	BHARATH L	Introduction to Internet of Things	Jul - Sep 2022	Elite
71	2013017	VISWASANTHOSH S A	Introduction to Internet of Things	Jul - Sep 2022	Elite
72	2013020	HARSHINI.R	Introduction to Internet of Things	Jul - Sep 2022	Elite
73	2013021	MOHAMED MUSAB V.M.	Introduction to Internet of Things	Jul - Sep 2022	Elite
74	2013023	N. DINESHKRISHNARAJA	Introduction to Internet of Things	Jul - Sep 2022	Elite
75	2013025	APSARA VAHINI P	Introduction to Internet of Things	Jul - Sep 2022	Elite
76	2013026	S.R.VISHNU REJEESH	Introduction to Internet of Things	Jul - Sep 2022	Elite

77	2013027	VASANTH. M	Introduction to Internet of Things	Jul - Sep 2022	Elite
78	2013028	MOHANA KRISHNAN S	Introduction to Internet of Things	Jul - Sep 2022	Elite
79	2013029	KIRUTHIKATHANGARATHI M D	Introduction to Internet of Things	Jul - Sep 2022	Elite
80	2013030	YUVARAJ S	Introduction to Internet of Things	Jul - Sep 2022	Elite
81	2013031	RAMYA.J	Introduction to Internet of Things	Jul - Sep 2022	Elite
82	2013032	JENITHRA M	Introduction to Internet of Things	Jul - Sep 2022	Elite
83	2013033	RAGUL S	Introduction to Internet of Things	Jul - Sep 2022	Elite
84	2013034	PRIYADHARSHINI L	Introduction to Internet of Things	Jul - Sep 2022	Elite
85	2013036	ARUNKUMAR D	Introduction to Internet of Things	Jul - Sep 2022	Elite
86	2013037	RAJA SEKARAN E	Introduction to Internet of Things	Jul - Sep 2022	Elite
87	2013038	SWATHI D	Introduction to Internet of Things	Jul - Sep 2022	Elite
88	2013040	MOHAMED ALTHAF WAHID T.S	Introduction to Internet of Things	Jul - Sep 2022	Elite
89	2013041	SURIYA NARAYANAN. V	Introduction to Internet of Things	Jul - Sep 2022	Elite
90	2013043	SUDALAIMANI. G	Introduction to Internet of Things	Jul - Sep 2022	Elite
91	2013044	MOHAMMED ASIF A	Introduction to Internet of Things	Jul - Sep 2022	Elite
92	2013046	MATHAN KUMAR A	Introduction to Internet of Things	Jul - Sep 2022	Elite
93	2013047	KALAI SANKAR K	Introduction to Internet of Things	Jul - Sep 2022	Elite
94	2013048	RAMAJAYANTHI. R	Introduction to Internet of Things	Jul - Sep 2022	Elite
95	2013049	DINESH.J	Introduction to Internet of Things	Jul - Sep 2022	Elite
96	2013050	SUBANJINI R	Introduction to Internet of Things	Jul - Sep 2022	Elite
97	2013052	SUBITHA V	Introduction to Internet of Things	Jul - Sep 2022	Elite
98	2013053	SRI RANJANI M	Introduction to Internet of Things	Jul - Sep 2022	Elite
99	2013054	BIBIN U	Introduction to Internet of Things	Jul - Sep 2022	Elite

100	2013055	SHAKTHI SARAVANAN V.K.A	Introduction to Internet of Things	Jul - Sep 2022	Elite
101	2013056	ABISHEK THANASEELAN	Introduction to Internet of Things	Jul - Sep 2022	Elite
102	2013401	KARTHIKAILAKSHMI. V	Introduction to Internet of Things	Jul - Sep 2022	Elite
103	2013408	MIRACLE ANAND. P	Introduction to Internet of Things	Jul - Sep 2022	Elite

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

S.No	Name of the students	Year	Event	Organizer	Date	Rank-status
1	S. YUVARAJ	III EEE	iTech Hackfest 2022- A National level Hackathon	PSG Institute of Technology and Applied Research, Coimbatore	25.08.2022 to 27.08.2022	Participated
2	N. GOKULA KANNAN	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
3	S.P.SANTHOSH	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
4	J.MICHAEL JERLIT	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
5	S.SHYAM	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
6	M.MANIAZHAGAN	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
7	P.GANESH KUMAR	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
8	K.SRIRAM	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated
9	K.KRISHNA MOORTHI	III EEE	Paper Presentation	SSM College of Engineering, Namakkal	15.09.2022	Participated

10	J.MICHAEL JERLIT	III EEE	YOUTH TALLK, ICT ACADEMY	St. Xavier's Catholic College of Engineering, Kannyakumari	28.09.2022	Participated
11	M. JENITHRA	III EEE	Paper Presentation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	I Prize
12	S. RAGUL	III EEE	Paper Presentation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
13	D. SWATHI	III EEE	Paper Presentation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	I Prize
14	P. SUNDAR RAJ	III EEE	Paper Presentation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
15	P.MIRACLE ANAND	III EEE	Paper Presentation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
16	M. JENITHRA	III EEE	Meme Creation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
17	D. SWATHI	III EEE	Meme Creation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
18	P. SUNDAR RAJ	III EEE	Short Film	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
19	P.MIRACLE ANAND	III EEE	Meme Creation	Hindusthan Institute of Technology, Coimbatore	29.09.2022	Participated
20	A. SANJIVAGURU	III EEE	Paper Presentation	Syed Ammal Engineering College, Ramanathapuram	01.10.2022	Participated
21	A. SANJIVAGURU	III EEE	Technical Quiz	Syed Ammal Engineering College, Ramanathapuram	01.10.2022	Participated
22	J. KISHORE	III EEE	Paper Presentation	Syed Ammal Engineering College, Ramanathapuram	01.10.2022	Participated
23	J. KISHORE	III EEE	Technical Quiz	Syed Ammal Engineering College, Ramanathapuram	01.10.2022	Participated
24	A.AKASH	III EEE	Technical Event	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	Participated

25	J.DINESH	III EEE	Technical Event	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	Participated
26	S.MOHANA KRISHNAN	III EEE	Technical Quiz	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	II Prize
27	S.MOHANA KRISHNAN	III EEE	Paper Presentation	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	I Prize
28	M.D.KIRUTHIKA THANGARATHI	III EEE	Project Expo	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	I Prize
29	P. APSARA VAHINI	III EEE	Paper Presentation	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	I Prize
30	P. APSARA VAHINI	III EEE	Technical Event	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	Participated
31	M.D.KIRUTHIKA THANGARATHI	III EEE	Technical Event	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	Participated
32	R.HARSHINI	III EEE	Project Expo	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	I Prize
33	M.D.KIRUTHIKA THANGARATHI	III EEE	Technical Event	Sri Vidya College of Engineering & Technology, Virudhunagar	06.10.2022	Participated
34	D.PONKATHIRVEL	III EEE	Paper Show	P.S.R Engineering College, Sivakasi	11.10.2022	Participated
35	P.KISHORE KUMAR	III EEE	Paper Show	P.S.R Engineering College, Sivakasi	11.10.2022	Participated
36	M.MANIAZHAGAN	III EEE	Paper Show	P.S.R Engineering College, Sivakasi	11.10.2022	Participated
37	A.HARIHARAN	III EEE	Paper Show	P.S.R Engineering College, Sivakasi	11.10.2022	Participated

38	S.MATHAN RAJ	III EEE	Paper Presentation	Velammal College of Engineering and Technology, Madurai	14.10.2022	Participated
39	S.VENKATESH KANNAN	III EEE	Paper Presentation	Velammal College of Engineering and Technology, Madurai	14.10.2022	Participated
40	A.RAMANA	III EEE	Paper Presentation	Velammal College of Engineering and Technology, Madurai	14.10.2022	Participated
41	S.A.VISWA SANTHOSH	III EEE	Paper Presentation	Velammal College of Engineering and Technology, Madurai	14.10.2022	Participated
42	V.M. MOHAMED MUSAB	III EEE	Paper Presentation	Velammal College of Engineering and Technology, Madurai	14.10.2022	Participated
43	M.VASANTH	III EEE	Paper Presentation	Velammal College of Engineering and Technology, Madurai	14.10.2022	Participated
44	A.JESSIICAA	III EEE	Paper Presentation	Anna University, BIT Campus, Trichy	14.10.2022	Participated
45	A.SELVA PRIYA	III EEE	Paper Presentation	Anna University, BIT Campus, Trichy	14.10.2022	Participated
46	G.SUJA	III EEE	Paper Presentation	Anna University, BIT Campus, Trichy	14.10.2022	Participated
47	K.MUTHU MARIAPPAN	III EEE	Paper Presentation	Anna University, BIT Campus, Trichy	14.10.2022	Participated
48	G.SELVA KRISHNAN	III EEE	Paper Presentation	Anna University, BIT Campus, Trichy	14.10.2022	Participated
49	U.BIBIN	III EEE	Paper Presentation	Anna University, BIT Campus, Trichy	14.10.2022	Participated
50	M.SATHISH KUMAR	III EEE	Paper Presentation	University College of Engineering, Ramanathapuram	14.10.2022	Participated

51	S.R.VISHNU REJESESH	III EEE	Paper Presentation	University College of Engineering, Ramanathapuram	14.10.2022	Participated
52	L.BHARATH	III EEE	Paper Presentation	University College of Engineering, Ramanathapuram	14.10.2022	Participated
53	S.AUGUSTIN	III EEE	Paper Presentation	University College of Engineering, Ramanathapuram	14.10.2022	Participated
54	R.KALIRAJ	III EEE	Paper Presentation	University College of Engineering, Ramanathapuram	14.10.2022	Participated
55	E.RAJA SEKARAN	III EEE	Paper Presentation	Sri Ramakrishna Engineering College, Comibatore	19.10.2022	II Prize
56	A.MOHAMED ASIF	III EEE	Paper Presentation	Sri Ramakrishna Engineering College, Comibatore	19.10.2022	II Prize
57	T.ABISHEK THANASEELAN	III EEE	Paper Presentation	Sri Ramakrishna Engineering College, Comibatore	19.10.2022	II Prize
58	N.DINESH KRISHNA RAJA	III EEE	National Conference	Bannari Amman Institute of Technology, Sathyamangalam	19.10.2022	Participated
59	L.PRIYA DHARSHINI	III EEE	Paper Presentation	Erode Sengunthar Engineering College, Erode	20.10.2022	I Prize
60	J.RAMYA	III EEE	Paper Presentation	Erode Sengunthar Engineering College, Erode	20.10.2022	I Prize
61	V.SUBITHA	III EEE	Paper Presentation	Erode Sengunthar Engineering College, Erode	20.10.2022	I Prize
62	S.YUVARAJ	III EEE	Intelligent Innovators Hackathon	Sri Eshwar College of Engineering, Coimbatore	04.11.2022 to 05.11.2022	Participated
63	R.DINESH	III EEE	Paper Presentation	Francis Xavier Engineering College, Tirunelveli	08.11.2022	Participated
64	P.KISHORE KUMAR	III EEE	Paper Presentation	Francis Xavier Engineering College, Tirunelveli	08.11.2022	Participated
65	E.ARUN KUMAR	III EEE	Paper Presentation	Francis Xavier Engineering College, Tirunelveli	08.11.2022	Participated

STUDENTS INTERNSHIP DETAILS

S.NO	REG.NO	NAME	NAME OF THE COMPANY	DATE	
1	2013025	APSARA VAHINI P	Internshala - VLSI Design	01.08.2022	24.09.2022
2	2013026	VISHNU REJEESH	Internshala - MATLAB	01.08.2022	25.09.2022
3	2013029	KIRUTHIKATHANGARATHI M.D	Internshala - VLSI Design	01.08.2022	24.09.2022
4	2013031	RAMYA J	Internshala - VLSI Design	01.08.2022	03.10.2022
5	2013034	L.PRIYA DHARSHINI	Internshala - VLSI Design	01.08.2022	01.10.2022
6	2013048	RAMAJAYANTHI R	Internshala - MATLAB	01.08.2022	29.09.2022
7	2013050	SUBANJINI R	Internshala - VLSI Design	01.08.2022	24.09.2022
8	2013052	SUBITHA V	Internshala - VLSI Design	01.08.2022	24.09.2022
9	2013032	JENITHRA M	Internshala - PCB Design	01.09.2022	01.10.2022
10	2013038	SWATHI D	Internshala - PCB design	01.09.2022	07.10.2022
11	2013040	MOHAMED ALTHAF WAHID TS	Internshala - Embedded Systems	02.08.2022	13.10.2022
12	2013002	MATHAN RAJ.S	Internshala - MATLAB	03.08.2022	19.09.2022
13	2013003	VENKATESHKANNAN S	Internshala - PLC Programming	03.08.2022	03.09.2022
14	2013014	KISHORE.J	Internshala - MATLAB	03.08.2022	30.09.2022
15	2013017	VISWASANTHOSH S A	Internshala - Embedded Systems	03.08.2022	17.09.2022
16	2013019	KALIRAJ R	Internshala - MATLAB	03.08.2022	11.10.2022
17	2013030	YUVARAJ S	Internshala - VLSI Design	03.08.2022	04.10.2022
18	2013036	ARUNKUMAR D	Internshala - MATLAB	03.08.2022	08.10.2022
19	2013056	ABISHEK THANASEELAN T	Internshala - MATLAB	03.08.2022	05.10.2022
20	2013008	CHRISTEN.R	Internshala - PLC Programming	06.08.2022	03.09.2022
21	2013011	SUJA G	Internshala - MATLAB	07.08.2022	18.09.2022
22	2013012	SELVAKRISHNAN C	Internshala - MATLAB	14.08.2022	25.09.2022
23	2013021	MOHAMED MUSAB .V.M	Internshala - Embedded Systems	14.08.2022	25.09.2022
24	2013028	MOHANA KRISHNAN S	Internshala - VLSI Design	14.08.2022	25.09.2022
25	2013006	JESSIICAA A	Internshala - MATLAB	15.08.2022	23.10.2022
26	2013007	VAISHIYA R	Internshala - MATLAB	15.08.2022	14.10.2022
27	2013035	SANJIVAGURU A	Internshala - MATLAB	15.08.2022	04.10.2022
28	2013410	BALA MURUGAN M	Internshala - VLSI Design	15.08.2022	26.09.2022

29	2013015	PONKATHIRVEL.D	Internshala - Embedded Systems	16.08.2022	26.09.2022
30	2013004	MICHAEL JERLIT J	Internshala - MATLAB	17.08.2022	29.09.2022
31	2013010	RAMANA A	Internshala - MATLAB	17.08.2022	29.09.2022
32	2013016	BHARATH L	Internshala - Embedded Systems	17.08.2022	28.09.2022
33	2013044	MOHAMMED ASIF A	Internshala - Embedded Systems	17.08.2022	28.09.2022
34	2013045	AUGASTIN S	Internshala - MATLAB	17.08.2022	29.09.2022
35	2013049	DINESH J	Internshala - Embedded Systems	17.08.2022	28.09.2022
36	2013013	MUTHUMARIAPPAN K	Internshala - MATLAB	19.08.2022	23.09.2022
37	2013020	HARSHINI. R	Internshala - MATLAB	22.08.2022	02.10.2022
38	2013001	SANTHOSH SP	Internshala - MATLAB	23.08.2022	03.10.2022
39	2013058	SHYAM S	Internshala - MATLAB	23.08.2022	01.10.2022
40	2013043	G.SUDALAIMANI	Internshala - Embedded Systems	25.08.2022	05.10.2022
41	2013047	KALAI SANKAR K	Internshala - Embedded Systems	25.08.2022	05.10.2022

STUDENTS PUBLICATION DETAILS

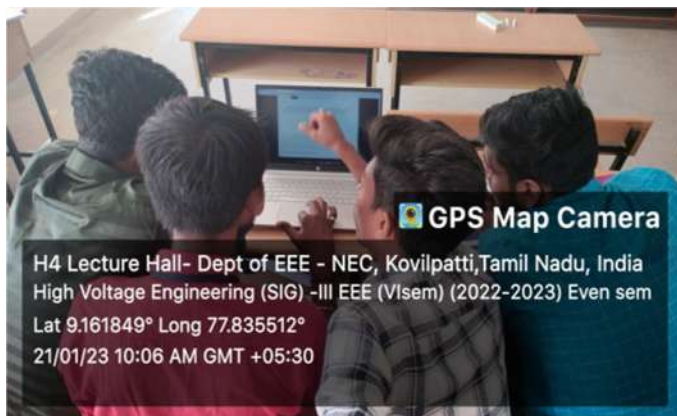| S. No.	Name of the authors	Title of the Paper	Name of the Journal/Conference	Year
1	J SUBALAKSHMI, J JOYSLIN JANET, J JEY SHREE LAKSHMI, T SUKUMAR, B VIGNESHWARAN	Recognition of Power Transformer Defect Identification Based on Dissolved Gas Analysis using Support-Vector Machine Approach	6th International Conference on Electronics, Communication and Aerospace Technology [ICECA 2022], RVS Technical Campus, Coimbatore	2022
2	S JASSIM MOHAMMED, R RAGUL, SUSEEL RAJA P, G JEGAN RAJ, M GENGARAJ, L KALAIVANI	Smart Healthcare Monitoring and Indoor Occupancy Control system using Arudino	6th International Conference on Electronics, Communication and Aerospace Technology [ICECA 2022], RVS Technical Campus, Coimbatore	2022
3	M GANESH KUMAR, R V MAHESWARI, M BAKRUTHEEN, B VIGNESHWARAN	Fuzzy Logic based efficient blending of mineral and vegetable oil as Alternate Liquid Insulation	6th International Conference on Electronics, Communication and Aerospace Technology [ICECA 2022], RVS Technical Campus, Coimbatore	2022
4	G DEEPAN RAJ, L KALAIVANI	Computational Model for Transformer bushing using Advanced Finite Element Method	6th International Conference on Electronics, Communication and Aerospace Technology [ICECA 2022], RVS Technical Campus, Coimbatore	2022
5	B. SAJEENA PONMANI, R.V.MAHESWARI, B.VIGNESHWARAN	Fuzzy Based Pollution Severity Prediction In Polymer Insulator Using Harmonic Analyzer	International Conference on Automation, Computing and Renewable Systems (ICACRS 2022), Mount Zion College of Engineering and Technology, Pudukottai	2022
6	P. APSARA VAHINI, L. BHARATH, S. MOHANA KRISHNAN, M. SATHISH KUMAR, T. SUKUMAR, B. VIGNESHWARAN	Recognition of Power Transformer Fault based on Dissolved Gas Analysis using Fuzzy Logic Approach	International Conference on Circuits, Control, Communication and Computing I4C – 2022, M.S. Ramaiah Institute of Technology, Bangalore	2022
7	R. HARSHINI, M.D. KIRUTHIKA THANGARATHI, S.R. VISHNU REJEESH, V.M. MOHAMED MUSAB, M. VASANTH, B. VIGNESHWARAN	Recognition of Partial Discharge Signatures using Convolution Neural Network	International Conference on Circuits, Control, Communication and Computing I4C – 2022, M.S. Ramaiah Institute of Technology, Bangalore	2022

8	G. SUDALAIMANI, E. RAJASEKARAN, M. JENITHRA, D. SWATHI, K. KUMAR, R.V. MAHESWARI	Investigation of Electric Filed Distribution on a 33kV Polymer Insulator under Polluted Conditions using FEM	International Conference on Circuits, Control, Communication and Computing I4C – 2022, M.S. Ramaiah Institute of Technology, Bangalore	2022
9	A. MOHAMMAD ASIF, L. PRIYA DHARSHINI, T.S. MOHAMMAD ALTHAF WAHID, J. RAMYA, K. KUMAR, R.V. MAHESWARI	Investigation of High Voltage Dielectric Barrier and their effect on breakdown voltage using numerical method	International Conference on Circuits, Control, Communication and Computing I4C – 2022, M.S. Ramaiah Institute of Technology, Bangalore	2022
10	L. JAGATHISH, J. S. JEKHAN, E. NITHIN DURAI, S. PON SARAVANA KUMAR, B. VIGNESHWARAN, R.V. MAHESWARI	Transformer fault diagnosis based on the rule-based Duval method using Semi-Supervised Learning Approaches	International Conference on Computer Communication and Informatics (ICCCI 2023), Sri Shakthi Institute of Engineering and Technology, Coimbatore	2023
11	B.ARUN KUMAR, V.K.SASI BHARATHI, A.LOKA PRIYA, A.DHANUSHA, B. VIGNESHWARAN, M. GENGARAJ	Optimized Parameter selection of Induction Motor using Finite Element Method	International Conference on Computer Communication and Informatics (ICCCI 2023), Sri Shakthi Institute of Engineering and Technology, Coimbatore	2023
12	P. ARUL KANDAN, N.B.PRAKASH, M.BAKRUTHEEN	Performance Analysis of different fatty acid vegetable oil using ranking method	5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023), Francis Xavier Engineering College, Tirunelveli	2023
13	G. VASUKI, M. VINOTHINI, K. KARTHIK KUMAR	A Novel Converter Design for Energy management in Electrical Vehicles	5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023), Francis Xavier Engineering College, Tirunelveli	2023
14	T. SUKUMAR, B.VIGNESHWARAN	Computation of electric field distribution on 110 kV polymer insulator for different corona ring position	3rd International Conference on Artificial Intelligence and Smart Energy (ICASIS 2023), JCT College of Engineering and Technology, Coimbatore	2023

DEPARTMENT ACTIVITIES

SPECIAL INTEREST GROUP

HIGH VOLTAGE ENGINEERING

Special Interest Group- High Voltage Engineering was conducted on 21.01.2023, from 9.30am to 11am for department third year students in H4 classroom. Mr.K.Kumar, Assistant Professor gave a lecture on the topic **"New Trends in High Voltage Engineering"**. In session I he described that High-voltage engineering is the science of planning, operating, and testing high-voltage electrical devices and designing the insulation coordination in order to ensure the reliable operation of the power network. Moreover High-voltage devices need testing in manufacturing process, before sale, laboratory, and quality control stages, after installation for ensuring safe transportation/installation and predetermined maintenances. High-voltage testing is performed under loading or artificial impulses such as switching or lightning waveforms. Also development in high-voltage engineering for environmental compatibility is realized through replacing insulation gas SF_6 by environmentally friendly gas CF_3I (Trifluoroiodomethane) in gas-insulated stations (GISs) and high-voltage circuit breakers. Then he described the recent high voltage applications in the field of medicine, Agro – food, material processing, static electrification etc.

HIGH VOLTAGE ENGINEERING

In our department, "Special Interest Group class - High voltage was conducted for the third-year students on 07.01.2023 from 9.15 am to 11.00 am. In this class, Power transformer basics were taught, and various parameters such as Breakdown voltage test, Flash Point, Fire Point, Viscosity, Moisture content, and Acidity test have been explained. We have discussed the latest technologies used to enhance power transformer performances. Dry-type transformers and their drawbacks are also discussed. Nineteen students attended the class.

CONTROL AND INSTRUMENTATION

Control and Instrumentation Special interest group organized a "**Introduction to Control system toolbox in MATLAB**" on 22/08/2022. *Mr.M.Sivapalanirajan*, AP handled the session to teach the significance of MATLAB toolbox available in campus wide license and the best useful tools to engage in research. 5 students participated in the event.

The Session engages students to make simple simulation commands available for control system toolbox that makes verification of the system response easily. It also implies the inferences from the simulation which provides insight into the system behavior.

CONTROL AND INSTRUMENTATION

Control and Instrumentation Special interest group organized a "**Hands on session in PID controller design using MATLAB**" on 10/09/2022 & 01/10/2022. *Dr.M.Willjuice Iruthayarajan*, Professor and Head handled the session with the 7 students participants of C&I SIG. He demonstrated the concepts of PID controller and provide a hands-on practice session to implement controller design and to infer the performance measures.

On 10/09/2022 He demonstrated the theory of system and its representation in MATLAB with the meaning of Performance measures like IAE, ISE, ITAE and ITSE. On 01/10/2022 a hands – on session is organized to teach the design concept and its implementation in MATLAB environment. Students feel happy about the way of implementing control system design easily and meaningfully.

ALUMNI INTERACTION

Mr. A. Harish Kumar (2021 Batch EEE Alumni), Design Engineer, Data Patterns India Pvt. Ltd., Chennai has interacted with pre final year EEE Students on 06.08.2022 through Online regarding Hardware/Electronics Industry Placement Opportunities.

Mr. M. Ramesh (2007 Batch EEE Alumni), Senior Technical Engineer/Hardware Design and Development, Data Patterns India Pvt. Ltd., Chennai has delivered inaugural address in EEE Association Inauguration on 27.08.2022 at NEC Assembly Hall.

Mr. Sheik Moideen (2016 Batch EEE Alumni), Qburst Technologies Pvt. Ltd., Chennai has interacted with pre final year EEE Students on27.08.2022 regarding Software Placement Opportunities.

Mr. P. Selvam (2016 Batch EEE Alumni), Engineer/Hardware Design, Data Patterns India Pvt. Ltd., Chennai has interacted with pre final year EEE Students on 27.08.2022 regarding Hardware/Electronics Industry Placement Opportunities.

Mr. T. Karkuvelraja (2014 Batch EEE Alumni), Lead Engineer, DAMAC Properties, Dubai has interacted with pre final year EEE Students on 12.09.2022 regarding Importance of Oracle Certification as one of the Software Placement Opportunities.

BOARD OF STUDIES MEETING

The 18th Board of studies meeting was held on 27.12.2022, Tuesday at the conference hall by 10.00am. The chairman board of studies gave welcome address and opening remarks for the meeting. The following members attended the meeting is as follows,

In the meeting the conformation of minutes of 17th meeting and its action taken report held on 20.07.2022 were presented first. Then the following agenda was discussed in the meeting,

- ✓ verticals for awarding honors, honors with specialization and minor degree
- ✓ Introduction of verticals in curriculum under R-2019.
- ✓ Modification in syllabus for incorporating verticals under R2019.
- ✓ Introduction of new elective courses for incorporating verticals under R2019.
- ✓ Discussion- project work / Industry practice.

The externals members have a brain storming discussion, interaction with all internal and student members and fruitful suggestions were incorporated appropriately in the curriculum and syllabus.

NATIONAL BOARD OF ACCREDITATION

National Board of Accreditation (NBA) Expert Team had visited our department on 28.10.2022 – 30.10.2022 for accreditation of B.E. (Electrical and Electronics Engineering) under NBA -Tier 1 (Washington Accord) category.

Composition of NBA Expert Team:

Chairman: Dr. Pashupati Nath Singh, Former Director, NITK Surathkal

Expert Members:

1. Dr. S.S. Sambhare, Professor, Dept. of EEE, College of Engineering, Pune,

2. Dr. B.V. Sumangala, Professor, Dept. of EEE, M.S. Ramaiah Institute of Technology, Bangalore.

Totally our department scored 712 out of 1000 in the NBA evaluation and based on the evaluation and Grade, NBA accredited our B.E. (Electrical and Electronics Engineering) under NBA -Tier 1 (Washington Accord) category for Three Years (W.e.f. 2022-23).

On behalf of EEE Department thank our Management, beloved Director and Principal, distinguished alumni, parents, faculty, and students for their tremendous support during the NBA Visit

EDITORIAL BOARD

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING