

INSTRUZINIA'20

Department of Electronics and Instrumentation Engineering



ERODE SENGUNTHAR ENGINEERING COLLEGE (An Autonomous Institution)

(Approved by AICTE, New Delhi, Permanently Affiliated to Anna University-Chennai
& accredited by NAAC & National Board accreditation (NBA), New Delhi.)

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Words from the Patrons



THIRU.G. KAMALAMURUGAN,

President,

Erode Sengunthar Educational Trust.

It is my pleasure and privilege to give my message in the Electronics and Instrumentation Department newsletter "**INSTRUZINIA'20**" and I would like to appreciate the team for their efforts to produce this high quality, important communication tool to talk about the activities of the EIE- Department.

In ever changing field of technical education, technology is moving at a very fast pace. *What was breakthrough yesterday is obsolete today.* This has made it imperative that future techno crafts must be familiar not only with technical skills but also with the technology of tomorrow. I wish the department of EIE students to bring more laurels and achievements in the future by creative thinking and inventions in the field of engineering. I wish them success in all their endeavors.



THIRU .S.N. THANGARAJU,

Secretary,

Erode Sengunthar Educational Trust.

I am fascinated to be a part of publishing the current edition "**INSTRUZINIA'20**" of the Department Electronics and Instrumentation Engineering of our college. I am so elated to see the active participation of the students, with the initiation of faculties to persist the issue of this newsletter for the academic year 2019-20.

I am blissful to admire the principal, HoD-EIE, staff and student of the department and the editorial board members for their endeavors taken towards this venture.

Chief's Desk



Dr.V.Venkatachalam,
Principal

I feel elated to wish the Department of Electronics and Instrumentation Engineering of our college for publishing the newsletter "**INSTRUZINIA'20**" for the academic year 2019-20.

Through this newsletter, the students, their parents and faculties observe complete transparency in our day to day programs, the quality of teaching-learning process we share, and the goal we have to excel in technical education. I wish the team best wishes for their hard work.

“If you can't explain it simply, you don't understand it well enough”

~Albert Einstein

HoD's Desk

Mr.T.Marismurugan,
HoD-EIE

It's my pleasure to list the achievements of our Department's success in the previous year which reveals our giant progress. So am proud to declare this publishment of **"INSTRUZINIA'20"**. The newsletter has become an ideal platform to share the views and experience in the field of instrumentation. By this way it has attained the unique and distinction of its place. It symbolizes the achievements of our students and faculties, in and other institutions. They have prepared the great collection of high quality contribution.

It's my duty to thank my colleagues who had given their guidance to make the students' path as a splendid one. I encourage all of them who made this edition a grant success. I hope this newsletter will be a perfect launching pad for the edifice of inventive ideas. I would like to extend my deepest appreciation to all members of the editorial board.

We welcome feedback and suggestions for further upliftment. Essence us to eseceiemagazine@gmail.com.

Editorial Column

It's our honor to place the inventive issue of our Department's newsletter "**INSTRUZINIA'20**" in your hands.

"Education builds knowledge and intellectual property in the mind" as the saying goes , this newsletter will support research and development of our faculty members along with the student will join them in the workplace , for making the technological world a better place.

This newsletter plots the platform to the excellence of our students with the relevant guidance of faculty members. It reflects the innovative ideas of our students and their contribution to raise the standard of our department.

Our alumni members are also helping us with necessary steps to make this edition a betterment one.

Appreciations to all the future techno crafts, who gave their scintillating and awesome articles to the excellence of this publishment.

We welcome all feedback and suggestion for further upliftment. Root us to eseceiemagazine@gmail.com

DEPARTMENT ACTIVITIES

1. Inaugural Function & Guest Lecture-I

ECLAT has conducted its association inaugural and guest lecture-I on the topic "e-SCADA" on 22.07.2019. The chief guest for this function is B. Rajkumar, General Manager, Peak National Trading Company, Kuwait.



2. Leaders Talk-I

Leaders Talk-I on the topic "Job opportunities in Instrumentation Industries" on 18.07.2019. The chief guest for this function is S. Ashok, Technical Engineer, Honeywell Automation India Limited, Pune



3. Leaders Talk-II

Leaders Talk-II on the topic "Job openings in the software sectors" on 22.07.19. The chief guest for this function is M.Mohammed Ibrahim, Project Engineer, e-con systems, Chennai.



4. Leaders Talk-III

Leaders Talk-III on the topic "Job opportunities in Abroad" on 23.07.2019. The chief guest for this function is R.Rajkumar, Assistant technical Engineer, Peak National Trading & Contracting Company, Kuwait.



5. Workshop-I

ECLAT has conducted the four day workshop on "Make an Embedded Project in Arduino Controller" from 22.08.19 to 25.08.19. The chief guest for this function is Mr. A. Vinothkumar, Branch Manager, Pantech Solutions, Coimbatore



6. Technical Seminar

ECLAT has conducted a technical seminar on "Wireless Field Instruments" on 28.08.19. The chief guest for this function is Mr. Pakkir Mohideen Kamal Basha, Managing Director, Southern Automation and Electrical Solutions Private Limited, Coimbatore



7. Leaders Talk-IV

Leader's talk on the topic of "Job openings in the calibration industries" on 07.09.19. The chief guest for this function is B.Dilip Kumar, Calibration Engineer, Technical Calibration Private Limited, Chennai.



8.Workshop-II

ECLAT has conducted a two days workshop on "Engineering and Design of Process Plant using AutoCAD" from 20.09.19 to 21.09.19. The chief guest for this function is Mr. M.Loganatha Sundaram, Project Engineer, Peak National General Trading & Contracting Co.W.I.I.,Kuwait



9.Guest Lecture-II

Guest Lecture-II on "Embedded System and its applications" on 25.09.19. The chief guest for this function is Ms.N.Narmadha, Senior Software Engineer,Continental Automotive components and Private Limited, Bangalore.



10. Guest Lecture-III

Guest Lecture-3 on "Industry Version 4.0" on 03.10.19. The chief guest for this function is Mr. Samuel Dilton, Senior Project Engineer, IPCS Automation Private Limited, Coimbatore.



11. Leaders Talk V

Leader's talk V on "Job openings in the Biomedical industries" on 16.10.19. The chief guest for this function is T.Karuthapandi , Service Engineer, Tricare services private limited, Madurai.



12. Leaders Talk VI

Leader's talk VI on "Job openings in the automation industries" on 21.10.19. The chief guest for this function is M.MUTHUPATTAN, Service Engineer, Strumento Technologies, India.



STUDENTS ACTIVITIES AND ACHIEVEMENTS

Programme attended by Students

1. S.Gokul of III year has participated in the workshop on "designing and developing of IoT" organized by top engineers at IIT Madras Research Park, Chennai on 28.07.2019.
2. M.Ajay, M.Chandru ,K.Deepika and T.Gomathi of III year has presented a paper on the title " Monitoring of physiological parameters for patients using ARDUNIO" in Two Day National

Level Conference organized by Hindusthan Institute of Technology,Coimbatore from 02.08.2019 to 03.08.2019.

3. All the II year,III year and IV year students have attended the four day workshop on "Make an Embedded Project in Arduino Controller" from 22.08.19 to 25.08.19 organized by ECLAT association(Department of EIE),Erode Sengunthar Engineering College.
4. K.Aravindhan, M.Chandru ,K.Deepika ,T.Gomathi ,R.V.Praveenkumar, K.Sundaradevi,P.Vignesh of III year has attended the workshop on "Programming for raspberry projects using python" organized by K S R institute for engineering and technology,Thiruchengode on 07.09.2019.
5. S.Pavithran of II year has presented a paper in National Level Technical Symposium" Texbo" on the title "Piezo electric bio sensors" organized by GRT Institute of Technology on 14.09.19.
6. All the III year and IV year students have attended a two days workshop on "Engineering and Design of Process Plant using AutoCAD" from 20.09.19 to 21.09.19 organized by ECLAT association(Department of EIE),Erode Sengunthar Engineering College.
7. M.Ajay , K.Aravindhan ,K.Bharath, M.Chandru ,K.Deepika,S.Naresh,M.Santhika of III year has participated in one day national seminar on "Embedded software evaluation and testing" organized by Sri Ramakrishna Engineering College on 26.09.2019.
8. M.Chandru , A.Dharshini , S.Gokul , T.Gomathi of III year presented a paper on the title "IoT based automatic drip irrigation for farmlands using MTTP" in AICTE sponsored first international conference organized by Kamaraj college of engineering and technology from 04.10.2019 to 05.10.2019
9. K.Bharath,R.Jayakumar,S.Ravikirubakaran, S.Sowndhar of III year presented a paper on the title "Automatic sensor efficient coal mine safety system using auto arduino ATMEGA 328P" in AICTE sponsored first international conference organized by Kamaraj college of engineering and technology from 04.10.2019 to 05.10.2019.
10. B.Yuvan Shankar of II year attended a one day workshop on "PCB manufacturing and fabrication organized by VIT,vellore on 7.10.2019.
11. M.Chandru , A.Dharshini , S.Gokul , T.Gomathi of III year presented a paper on the title "IoT based automatic drip irrigation for farmlands using MTTP" in AICTE sponsored first international conference organized by Kamaraj college of engineering and technology from 04.10.2019 to 05.10.2019
12. K.Bharath,R.Jayakumar,S.Ravikirubakaran, S.Sowndhar of III year presented a paper on the title "Automatic sensor efficient coal mine safety system using auto arduino ATMEGA 328P" in AICTE sponsored first international conference organized by Kamaraj college of engineering and technology from 04.10.2019 to 05.10.2019.
13. B.Yuvan Shankar of II year has attended a one day workshop on "PCB manufacturing and fabrication organized by VIT,vellore on 7.10.2019.
14. M.Chandru, T.Gomathi, R.Shanmuganathan and M.Ajay of III year has attended CSIR sponsored seminar on "H2O based artificial intelligence in data-driven analytics for the personalized healthcare" at Kongu Engineering College on 28.11.2019 & 29.11.2019.

15. M.Chandru,T.Gomathi,A.Dharshin,S.Loganathan,M.Nagarjun and S.Sasikumar of III year has attended two days workshop on "Machine Learning" at IIT,Madras on 18.01.2020 & 19.01.2020.
16. M. Rakesh, R. Ajeeth Kumar III year has actively participated in online webinar – "How to develop web application" on 13.06.2020 organized by department of Computer Science Engineering, Kings Engineering College
17. M. Hrithik Roshan, R. Ajeeth Kumar III Year has attended a webinar on "Solar Energy & Future Aspects" held on 20.06.2020 organized by Electrical Engineering Department, Kalol Institute of Technology & Research Center
18. M. Hrithik Roshan, K.R. Jayashree, R. Merlin Preeta, M. Rakesh III year has successfully completed five days "Hands on FDP: Data Science using Python" held from 18.05.202 to 22.05.2020 organized by department of Information Technology of Jeppiaar Institute of Technology.
19. M. Hrithik Roshan III year has completed a "Math Works Course" organized by deep learning onramp
20. M. Rakesh III Year has attended a five day online FDP on "Opportunities and challenges in next generation semiconductor devices" during 16.06.2020 to 20.06.2020 organized by department of Electronics and Communication Engineering, Anil Neerukonda Institute of Technology and Sciences
21. R. Ajeeth Kumar, M. Hrithik Roshan III year has participated a webinar of "Ethical Hacking" on 22.05.2020 organized by Department of Computer and Engineering in association with LITZ Tech India Private Limited
22. K.R. Jayashree III year has participated in "Faculty Development Programme" organized by Ramanujan club of Mathematics
23. M. Rakesh III year has successfully attended the International webinar on "Android Mobile Application Development for Embedded and IOT based real – time projects using MIT app inventor" on 10.06.2020 organized by the department of Electrical and Electronics Engineering, Rajalakshmi Engineering College.
24. M. Hrithik Roshan III year has attend the webinar on "A Step Ahead" on 12.07.2020 department of Bio Medical Engineering, Nandha Engineering College.
25. M. Rakesh III year has attended webinar on the topic "5G Technology" held on 19.06.2020 organized by department of Electronics and Communication Engineering, Mount Zion College of Engineering and Technology
26. M. Rakesh III year has attended a webinar on "Towards Safer and More Stable Rocket Launches" organized by the department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.
27. M.ajay, K.deepika of III year has attended webinar on CYBER SECURITY at SRI Eshwar college of Engineering on 15.05.2020.M.ajay of III year has attended webinar on CYBER SECURITY at SRI Eshwar college of Engineering on 15.05.2020.
28. M.ajay of III year has attended webinar on BLOCK CHAIN BASICS at SRI Eshwar college of Engineering on 18.05.2020
29. M.ajay,K.deepika of III year has attended webinar on INDUSTRY 4.0 at SRI Eshwar college of Engineering on 19.05.2020.
30. M.ajay,K.deepika of III year has attended webinar on FUTURE OF COMMUNICATION ENGINEERING at SRI Eshwar college of Engineering on 20.05.2020.
31. M.ajay,K.deepika of III year has attended webinar on EXPANDING SCOPE OF ROBOTICS at SRI Eshwar college of Engineering on 21.05.2020.

32. M.ajay, K.deepika of III year has attended webinar on TECHNOLOGY-THE FUTURE RECRUITMENT at SRI Eshwar college of Engineering on 23.05.2020.
33. M.ajay, K.deepika of III year has attended webinar on DESIGN THE THINKING at SRI Eshwar college of Engineering on 22.05.2020.
34. M.ajay of III year has attended webinar on E-MOBILITY:ELECTRIFICATION OF VEHICLE POWERTRAINS at SRI Eshwar college of Engineering on 11.07.2020.
35. M.ajay of III year has attended National level webinar on IMPACT OF COVID-19 PANDEMIC ON INDIAN ECONOMY held at PDEA'S ANNASAHEB MAGAR MAHAVIDYALAYA ,pune on 25.05.2020.
36. M.ajay, K.deepika of III year has attended workshop on OVERVIEW OF INDUSTRIAL AUTOMATION at Adhiyamaan College Of Engineering (Autonomous) on 24.06.2020.
37. M.ajay of III year has attended Webinar on DISCOVERING MICROSOFT AZURE at Gnanamani College of Technology on 10.05.2020.
38. M.ajay of III year has attended webinar on SCIENCE IN SANSKRIT at Bhavan's Vivekananda College on 25.05.2020.
39. M.ajay of III year has attended webinar on SKILL & ITS ENHANCEMENT FOR CAREER DEVELOPMENT at SRM TRP Engineering college on 08.05.2020.
40. M.ajay of III year has attended webinar on POWER QUALITY ANALYSIS – MODELLING AND SIMULATION USING ETAP at St.Joseph's Institute of Technology on 19.05.2020.
41. M.ajay of III year has attended webinar on INTELLIGENCE TO MACHINE LEARNING at Hindustan College of Arts and Science on 11.06.2020.
42. M.ajay of III year has attended webinar on RECENT TRENDS IN POWER ELECTRONICS USING MATLAB at St. Peter's Engineering College on 22.05.2020.
43. M.ajay of III year has attended webinar on HANDS ON FDP : DATA SCIENCE USING PHYTHON at Jeppiaar Institute of Technology on 18.05.2020 to 22.05.2020.
44. M.ajay of III year has attended webinar on KNOWS THE TALENT RACE at Jeppiaar Institute of Technology on 26.05.2020.
45. M.ajay, K.deepika of III year has attended webinar on DESIGN THE THINKING – PREPARING THE MINDSET FOR DISRUPTION at Jeppiaar Institute of Technology on 27.05.2020.
46. M.ajay of III year has attended webinar on INTERNET OF THINGS at Jai Shriram Engineering College on 23.05.2020.
47. M.ajay, K.deepika of III year has attended webinar on HEALTH TIPS DURING COVID – 19 PANDEMIC at Kongunadu Arts And Science College on 24.05.2020.
48. M.ajay of III year has attended webinar on MACHINE LEARNING & DEEP LEARNING at K.Ramakrishnan College of Engineering on 29.05.2020.
49. M.ajay of III year has attended webinar on CHALLENGE IN JOB INTERVIEW at K.Ramakrishnan College of Technology on 02.06.2020.
50. M.ajay, K.deepika of III year has attended webinar on CURRENT CHALLENGES AND FUTURE SCOPE OF ARTIFICIAL INTELLIGENCE at Meenakshi College of Engineering on 01.06.2020.
51. M.ajay of III year has attended webinar on FUTURE OF AI at IETE- Mumbai in association with pantech on 20.05.2020.
52. M.ajay, K.deepika of III year has attended webinar on PROTECTION AND SWITCHGEAR at PSNA College of Engineering & Tehnology on 20.05.2020 to 22.05.2020.
53. M.ajay, k.deepika of III year has attended webinar on PLC'S IN THE WORLD OF AUTOMATION at PSNA College of Engineering & Tehnology on 14.05.2020 to 15.05.2020.
54. M.ajay of III year has attended webinar on BIO-MEDICAL TEXTILE A SOJOURN FROM FIBERS TO FABRICS at Sri Ramakrishna College Of Arts & Science on 14.05.2020.
55. M.ajay of III year has attended webinar on INSIGHTS INTO MACHINE LEARNING at SCAD college of Engineering & Technology on 26.05.2020.

56. M.ajay of III year has attended webinar on IMPACT OF MACHINE LEARNING ON IoT at SCAD college of Engineering & Technology on 17.06.2020.
57. M.ajay of III year has attended Student Development Program on EMERGING TECHNOLOGIES FOR CAREER EXCELLENCE at Velalar College of Engineering and Technology on 15.05.2020 to 20.05.2020.
58. M.ajay of III year has attended Student Development Program on ESSENTIAL TECHNOLOGIES FOR TECHNOCRATS at Velalar College of Engineering and Technology on 22.05.2020 to 28.05.2020.
59. M.ajay of III year has attended webinar on OPPORTUNITIES IN INDUSTRIES AFTER GRADUATION at Jansons institute of Technology on 08.06.2020.
60. M.ajay of III year has attended webinar on EVOLUTION OF SENSOR NETWORKS & IoT at Meenakshi College of Engineering on 09.06.2020.
61. M.ajay of III year has attended webinar on VIRTUAL LEARNING IN VISUALIZE NUMBERS THROUGH MS-POWER BI at SRM Institute of Science & Technology on 01.06.2020.
62. M.ajay of III year has attended webinar on ADVANCED SIMULATION TOOLS FOR POWER SYSTEMS, POWER ELECTRONICS & ELECTROMAGNETICS at Vel Tech on 10.06.2020.
63. M.ajay, K.deepika of III year has attended webinar on FINDING SOLUTIONS TO COVID-19 CHALLENGES USING ARDUINO at VIT on 27.05.2020.
64. K.sundaradevi of III year has attended webinar on MOBILE COMMUNICATIONS : FROM CONNECTING PEOPLE TO DIGITALIZATION WITH 5G ,IoT & BEYOND at Sethu Institute of Technology on 22.08.2020
65. M.Chandru of III year has attended webinar on DEMYSTIFY THE CLOUD at SRI Eshwar college of Engineering on 17.05.2020.
66. T. Gomathi of III year has attended webinar on "A GLIMPSE OF MATLAB" at KPR institute of engineering and technology on 27.05.2020.
67. T. Gomathi of III year has attended webinar on "GRID CONNECTED AND STAND-ALONE SOLAR PLANT DESIGN USING PVSYST PART-2" conducted by IEEE SBC of St.Joseph's institute technology on 21.05.2020.
68. T. Gomathi of III year has attended webinar on "GRID CONNECTED AND STAND-ALONE SOLAR PLANT DESIGN USING HOMER PRO" conducted by IEEE SBC of St.Joseph's institute technology on 14.05.2020.
69. T. Gomathi of III year has attended webinar on "ROLE OF VFX&COMMUNICATION" at sokaikeda college of arts and science for women on 23.05.2020.
70. T. Gomathi of III year has attended webinar on "EDUCATION 4.0-THE FUTURE OF LEARNING IN THE PANDAMIC WORLD" at P.S.R. engineering college on 22.05.2020.
71. T. Gomathi of III year has attended webinar on "MANAING EXPECTATIONS IN THE JOB MARKET DURING CRISIS" conducted by IEEE SBC of St.Joseph's institute technology on 12.05.2020.
72. T. Gomathi of III year has attended webinar on "IMAGE PROCESSING USING PYTHON" at mount zion college of engineering and technology associated with pantech solutions on 12.05.2020.
73. T. Gomathi of III year has attended webinar on "SCOPE AND SOLAR ENERGY AS A SUSTAINABLE SOURCE" at karpagam college of engineering on 13.05.2020.
74. T. Gomathi of III year has attended webinar on "MACHINE LEARNING WITH COVID 19" at mahendra engineering college associated with ABE semiconductor designs, chennai on 09.05.2020.
75. T. Gomathi of III year has attended webinar on "RECENT TRENDS IN INFORMATION TECHNOLOGY" at CMS college of engineering and technology on 03.06.2020 TO 05.06.2020.

76. T. Gomathi of III year has attended webinar on "OPPORTUNITIES IN INDUSTRIES AFTER GRADUATION" at jansons institute of technology-IEEE student(STB09271)&WIE affinity group(STA09271) on 08.06.2020.
77. T. Gomathi of III year has attended webinar on "GRID CONNECTED AND STAND-ALONE SOLAR PLANT DESIGN USING PVSYS" conducted by IEEE SBC of St.Joseph's institute technology on 07.05.2020.
78. T. Gomathi of III year has attended webinar on "lessons from god in boardroom" at ISBR college on 05.05.2020.
79. T. Gomathi of III year has attended webinar on "THE INCREDIBLE POWER OF AN OPPORTUNITY:STARTUP" at karpagam college of engineering on 21.04.2020.
80. T. Gomathi of III year has attended webinar on "IOT USING ARDUINO" at ST.francis college for women associated with pantech solutions on 13.05.2020.
81. T. Gomathi of III year has attended two days national level webinar on "OUTCOME BASED EDUCATION AND CURRICULAM DEVELOPMENT" at IQAC of auxilium college(autonomous) in association with don bosco college(co-ed) on 15.05.2020 to 16.05.2020.
82. T. Gomathi of III year has attended webinar on "LOW POWER VLSI DESIGN & ANALYSIS" at gokarajurangaraju institute of engineering and technology associated with pantech -E learning on 24.05.2020.
83. T. Gomathi of III year has attended webinar on "DEVELOPING MATHEMATICAL MODEL FOR SOLAR THERMAL SYSTEM" at jansons institute of technology on 28.05.2020.
84. T. Gomathi of III year has attended international webinar on "RECENT TRENDS IN WIRELESS COMMUNICATION" at R.C.Patel institute of technology on 07.06.2020.
85. T. Gomathi of III year has attended webinar on "ERGONOMICS DESIGN PRINCIPLES" at sri Eshwar college of engineering on 09.06.2020.
86. T. Gomathi of III year has attended webinar on "PUT YOUR DREAMS TO THE TEST" at john.C.maxwell's book team on 20.05.2020.
87. M.ajay,K.bharath,K.deepika,S.naresh of III year has presented paper on the title IOT BASED SMART FARMING SECURITY DEVICE at SRM TRP Engineering College on 03.07.2020.
88. K.sundaradevi,S.subhashini,T.gomthi of III year has presented paper on the title MANAGING OIL FIELD INDUSTRY BASED ON EMBEDDED WIRELESS COMMUNICATION at SRM TRP Engineering College on 03.07.2020.
89. R.jayakumar,R.sugheer,S.sowndhar of III year has presented paper on the title DESIGN AND IMPLEMENTATION OF COAL MINE SAFETY SYSTEM USING ARDUINO at SRM TRP Engineering College on 03.07.2020.
90. M.chandru,R.V.Praveen,S.gokul,S.ravikirubakaran of III year has presented conference on the title VOICE CONTROLLED ROBOTIC SYSTEM USING ARDUINO MICROCONTROLLER at SRM TRP Engineering College on 03.07.2020.
91. S.sasikumar,R.shanmuganathan,M.selvakumar of III year has presented conference on the title EUPHORIA SUPERVISING SYSTEM USING ARDUINO at SRM TRP Engineering College on 03.07.2020.
92. S.sasikumar,R.shanmuganathan,M.selvakumar of III year has presented conference on the title EUPHORIA SUPERVISING SYSTEM USING ARDUINO at SRM TRP Engineering College on 03.07.2020.
93. T.Gomathi.M.Chandru of of III year has presented conference on the title A Comparative study for fault detection and classification in textile web materials at Karpagam College of Engineering on 06.02.2020.
94. M.ajay of III year has completed PYTHON 3 TUTORIAL COURSE at solo learn on 07.05.2020.

In-Plant Training attended by students

1. M.Chandru, T.Gomathi, R.Shanmuganathan of III year and K.R.Jayashree of II year has undergone In-plant training in Steel Authority of India, Salem Steel Plant, Salem - Centralized Electrical Maintenance from 19.06.19 to 25.06.19.
2. M.Ajay, K.Bharath, S.Nanthakumar of III year has undergone In-plant training in Tamil Nadu Newsprint and papers Limited, Karur from 26.06.19 to 28.06.19.
3. A.Anbarasan, S.Pavithran, M.Rakesh, A.Senthil Nathan of II year has undergone In-plant training in Southern Railway, Diesel loco shed, Erode from 01.07.2019 to 05.07.2019.
4. M.Ajay, M.Chandru, R.Naveen, S.Ravikirubakaran, S.Sasikumar, P.Vignesh of III year and R.Ajeeth Kumar, M.Hrithik Roshan, S.Kirubakaran, S.Syed Sayeed Sha of II year has undergone Industrial training programme on the title "ALLAN BRADLEY SLC- 500 PLC PROGRAMMING & CONTROL" in Advance Training Institute, Chennai from 08.07.2019 to 12.07.2019.
5. G.Bharathi and V.Jayabalaji of IV year has undergone Internship on Industrial automation using DELTA PLC and SCADA in IPCS, Coimbatore from 13.08.2019 to 19.08.2019.
6. T.Gomathi, of III year has undergone Internship on Industrial automation using DELTA PLC and SCADA ,basics of Embedded application in IPCS, Coimbatore from 18.12.2019 to 22.12.2019.
7. K.R.Jayashree and S.Visithra of II year has undergone Internship on Industrial automation using DELTA PLC and SCADA ,basics of Embedded application in IPCS, Coimbatore from 18.12.2019 to 22.12.2019.
8. M.Hrithik Roshan of II year has undergone In-plant training in Seshasayee Paper & Boards Limited, Erode from 19.06.19 to 25.06.19.
9. G. Alaguraj, S. Pavithran, A. Senthil Nathan of III year has attended a five days internship on "Industrial Automation using PLC" at NSIC – Technical Services Centre from 27.01.2020 to 31.01.2020
10. R. Ajeeth Kumar, M. Hrithik Roshan, S. Kirubakaran of III year has attended a five days internship on "Industrial Automation using PLC" at NSIC – Technical Services Centre from 17.02.2020 to 24.02.2020.

FACULTY ACTIVITIES AND ACHIEVEMENTS

Program organized by faculty Member.

1. Mr. T. Maris Murugan and Mr. E. Sathish has organized a one day National Level workshop on "Arduino controller" on 31.08.2018.

Programme attended by Faculty Members

1. P. Suresh Kumar AP/EIE has attended one week induction programme on "Recent Technologies adopted in industries for health care, defence and space applications" at Sri Ramakrishna Engineering College from 11.06.2018 to 16.06.2018.
2. P. Suresh Kumar AP/EIE has attended three days national level workshop on "Matlab/Simulink based hands on training on power electronic converters based systems and their controllers" at Karpagam college of engineering from 27.11.2018 to 29.11.2018
3. Dr. Saju Subramaniam HoD/EIE has attended a two day International conference on Innovations in Engineering, Technology and Sciences at NIE Institute of Technology, Mysore.
4. Dr. Saju Subramaniam HoD/EIE has attended a one day Faculty Training at Ashok Leyland Driver Training Institute, Namakkal.
5. T. Maris murugan, AsP/EIE, E. Sathish, G. Revathy, AP/EIE, has attended a two day seminar on "Recent advances in biosensor development for the detection of cancer biomarkers" at Kongu Engineering College, Perundurai, on
6. Dr. S. Saju HoD/EIE has Attended training Programme at NIT-Trichy Titled as End User Meet-SIEMENS CoE on 16.02.2019.
7. T. Maris murugan, AsP/EIE, E. Sathish, AP/EIE, P. Suresh Kumar AP/EIE has attended one day national level workshop on "Development of IoT applications using CC3200" at Sri Ramakrishna Engineering College on 08.03.19.

Industrial Training attended by staff members

1. T. Maris murugan, AsP/EIE, E. Sathish, AP/EIE, Dr. D. Sivanandakumar AP/EIE has undergone industrial training on thermal power generation at JSW energy center of excellence, JSW energy limited, Toranagallu, Bellari, Karnataka.

Paper publication by staff members

1. Dr. Saju Subramaniam HoD/EIE, published a paper on "Discrete Controller for Zeta Converter", Journal of Applied Science and Computation, ISSN: 1076-5131 Volume: 03 Issue: 10.
2. T. Maris murugan, AsP/EIE, E. Sathish, G. Revathy, AP/EIE, published a paper on "Comparative study of performance in three mode controller tuning", Journal of Applied Science and Computation, ISSN: 1076-5131 Volume: 05 Issue: 11.

3. S.Saju, MarimuthuPraveena,Dr.Vijayalakshmi"Discrete Controller for Zeta Converter"Journal of Applied Science and Computations"JASC,ISSN 1076-5131,Volume V, Issue XI, November 2018.(UGC Approved)
4. S.Saju,G.Thirugnanam, "Metaheuristic Technique for Biomedical Image"International Conference on Innovations in Engineering, Technology and Sciences- (ICIETS) catalog "CFP18Q63-PRT-978-5386-7321-8" on Sep 20th and 21st 2018.
5. S.Saju,G.Thirugnanam, "Metaheuristic Technique for Biomedical Image"International Conference on Innovations in Engineering, Technology and Sciences- (ICIETS)organized byNIE Institute of Technology, Mysuru on Sep 20th and 21st 2018.