

IES COLLEGE OF ENGINEERING

ANNUAL REPORT- 2024-'25

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I. ACADEMICS

The schedule of odd semester and even semester classes are given below as per the Academic Calendar of KTU for the year 2024-'25.

1. The schedule of odd semester classes:

| Course | Classes start date | Classes end date |
|--|--------------------|------------------|
| B. Tech S7 B. Tech S5 B. Tech S3 | 18.07.2024 | 08.11.2024 |
| B.Tech S1 | 02.09.2024 | 20.12.2024 |

2. The schedule of even semester classes:

| Course | Classes start date | Classes ending date |
|----------------|--------------------|---------------------|
| B.Tech S8 | 04.12.2024 | 28.03.2025 |
| B.Tech S6 & S4 | 16.12.2024 | 04.04.2025 |
| B.Tech S2 | 20.01.2025 | 25.04.2025 |

3. The schedule of University lab exams, supplementary exams and Honours and Minor exam conducted during the academic year .

| NAME OF EXAM | DATE |
|--|--------------------------|
| S3 B. Tech (2015) (S/FE) - 2015 scheme S5 B. Tech (S/FE) - 2015 scheme S1/S2 B. Tech - 2015 scheme | 1.07.2024 to 05.07.2024 |
| S3B.Tech(S/FE) 2019 scheme | 01.07.2024 to 08.07.2024 |
| S4 B. Tech & S6 B. Tech (Hons) 2019 scheme | 04.07.2024 |
| S4 B. Tech & S6 B. Tech (Minors)2019 scheme | 06.07.2024 |
| S8 B. Tech (S) 2019 scheme | 16.08.2024 to 23.08.2024 |

4. The University regular examinations of the odd semester were conducted as per the following schedule.

| | |
|---|--|
| B. Tech S7 Regular/Supplementary 2019 scheme | 22.11.2024 to 03.12.2024 |
| B. Tech S5 Regular/Supplementary 2019 scheme | 25.11.2024 to 12.12.2024 |
| B. Tech S5 Regular/Supplementary 2019 scheme | 23.11.2024 to 13.12.2024 |
| M. Tech S1- Supplementary-2015 scheme | 25.11.2024 to 28.11.2024 |
| M. Tech S3- Supplementary-2015 scheme | 26.11.2024 to 28.11.2024 |
| B. Tech S3- Supplementary-2015 scheme | 29.11.2024 to 12.12.2024 |
| B. Tech S1/S2 Supplementary-2015 scheme | 28.11.2024 to 07.01.2025 |
| B. Tech S6 Supplementary-2015 scheme | 29.11.2024 to 11.12.2024 |
| B. Tech S7 Supplementary-2015 scheme | 29.11.2024 to 17.12.2024 |
| B. Tech S3 Supplementary-2015 scheme | 03.12.2024 to 12.12.2024 |
| B. Tech S4 Supplementary-2015 scheme | 06.01.2025 to 17.01.2025 |
| B. Tech S5 Supplementary-2015 scheme | 13.12.2024 to 04.01.2025 |
| B. Tech S1/S2 Supplementary-2019 scheme | 17.12.2024 to 24.01.2025 |
| M. Tech S1 Supplementary-2022 scheme | 23.01.2025 to 07.02.2025 |
| B. Tech S5 Minor & B. Tech S3 Minor | 16.01.2025 |
| B. Tech S7 Honours & B. Tech S5 Honours | 13.01.2025 |
| B. Tech S1 Regular -2024 scheme | 31.12.2024 to 13.01.2025 |
| B. Tech S4 Regular -2019 scheme | 18.12.2024 to 10.01.2025 |
| B. Tech S6 Regular -2019 scheme | 17.12.2024 to 09.01.2025 |
| Lab Examinations- B. Tech S3, S5 & S7-2019 scheme | 08.11.2024 to 18.11.2024 16.12.2024 to 17.12.2024 |

5. Internal Examinations during odd semester

| COURSE | DATE OF EXAM | NAME OF EXAMINATIONS |
|--------------------|--------------------------|----------------------|
| B. Tech S3, S5, S7 | 03.09.2024 to 09.09.2024 | Sessional Test I |
| B. Tech S3, S5, S7 | 21.10.2024 to 30.10.2024 | Sessional Test II |
| B. Tech S1 | 21.10.2024 to 29.10.2024 | Sessional Test I |
| B. Tech S1 | 25.11.2024 to 29.11.2024 | Sessional Test II |

6. Internal Examinations during even semester

| COURSE | DATE OF EXAM | NAME OF EXAMINATIONS |
|-------------------|--------------------------|----------------------|
| B.Tech S8,S6 & S4 | 17.02.2025 to 22.02.2025 | Sessional Test I |
| | 17.03.2025 to 22.03.2025 | Sessional Test II |
| B.Tech S2 | 01.02.2025 to 10.02.2025 | Sessional Test 1 |
| | 06.03.2025 to 13.03.2025 | Sessional Test 1I |
| | 04.04.2025 to 11.04.2025 | Sessional Test 1II |

7. The schedule of university exams conducted during this period:

| NAME OF EXAM | DATE |
|---|--|
| B.Tech S7 Regular/Supplementary 2019 scheme | 22.11.2024 to 03.12.2024 |
| B.Tech S5 Regular/Supplementary 2019 scheme | 25.11.2024 to 12.12.2024 |
| B.Tech S5 Regular/Supplementary 2019 scheme | 23.11.2024 to 13.12.2024 |
| M.Tech S1- Supplementary-2015 scheme | 25.11.2024 to 28.11.2024 |
| M.Tech S3- Supplementary-2015 scheme | 26.11.2024 to 28.11.2024 |
| B.Tech S3- Supplementary-2015 scheme | 29.11.2024 to 12.12.2024 |
| B.Tech S1/S2 Supplementary-2015 scheme | 28.11.2024 to 07.01.2025 |
| B.Tech S6 Supplementary-2015 scheme | 29.11.2024 to 11.12.2024 |
| B.Tech S7 Supplementary-2015 scheme | 29.11.2024 to 17.12.2024 |
| B.Tech S3 Supplementary-2015 scheme | 03.12.2024 to 12.12.2024 |
| B.Tech S4 Supplementary-2015 scheme | 06.01.2025 to 17.01.2025 |
| B.Tech S5 Supplementary-2015 scheme | 13.12.2024 to 04.01.2025 |
| B.Tech S1/S2 Supplementary-2019 scheme | 17.12.2024 to 24.01.2025 |
| M.Tech S1 Supplementary-2022 scheme | 23.01.2025 to 07.02.2025 |
| B.Tech S5 Minor & B.Tech S3 Minor | 16.01.2025 |
| B.Tech S7 Honours & B.Tech S5 Honours | 13.01.2025 |
| B.Tech S1 Regular -2024 scheme | 31.12.2024 to 13.01.2025 |
| B.Tech S4 Regular -2019 scheme | 18.12.2024 to 10.01.2025 |
| B.Tech S6 Regular -2019 scheme | 17.12.2024 to 09.01.2025 |
| Lab Examinations- B.Tech S3,S5 & S7-2019 scheme | 08.11.2024 to 18.11.2024 16.12.2024 to 17.12.2024 |

8. The schedule of University Regular exams conducted during the Even semester:

| Semester | started on | Ended on |
|--|------------|------------|
| S7 B. Tech (2019 Scheme) Supplementary Exam | 02.04.2025 | 07.04.2025 |
| S4, S6, S8 B.Tech (2019 scheme) Lab/Project Exam | 07.04.2025 | 05.05.2025 |
| S8 B.Tech(R, S) (2019 scheme) | 22.04.2025 | 30.04.2025 |
| S6 B.Tech(R, S) (2019 Scheme) | 25.04.2025 | 20.05.2025 |
| S4 B.Tech (R, S) (2019 Scheme) | 29.04.2025 | 23.05.2025 |
| S2 B.Tech (R) (2024 Scheme) | 07.05.2025 | 27.05.2025 |
| S1 & S2 B.Tech (S,FE) 2019 Scheme | 24.05.2025 | 23.06.2025 |
| S5 B.Tech(S, FE) 2019 Scheme | 22.05.2025 | 04.06.2025 |
| S4, S6 B.Tech (Minor) Exam | 29.05.2025 | |
| S1 B.Tech (S) 2024 Scheme | 29.05.2025 | 04.06.2025 |
| S4,S6 B.Tech (Hons) | 27.05.2025 | |
| S3 B.Tech (S,FE) 2019 Scheme | 31.05.2025 | 18.06.2025 |

9. Internal Examinations

| COURSE | DATE OF EXAM | NAME OF EXAMINATIONS |
|--------------------|--------------------------|----------------------|
| B.Tech S8, S6 & S4 | 17.02.2025 to 22.02.2025 | Sessional Test I |
| | 17.03.2025 to 22.03.2025 | Sessional Test II |
| B.Tech S2 | 01.02.2025 to 10.02.2025 | Sessional Test I |
| | 06.03.2025 to 13.03.2025 | Sessional Test II |
| | 04.04.2025 to 11.04.2025 | Sessional Test III |

10. University Exam Result Analysis

| Batch | Semester | Pass% |
|------------|----------|-------|
| Batch 2021 | S7 | 64 |
| | S8 | 72 |
| Batch 2022 | S5 | 34 |
| | S6 | 35 |
| Batch 2023 | S3 | 30 |
| | S4 | 29 |
| Batch 2024 | S1 | 37 |
| | S2 | 33 |

11. The farewell party of the 2020 batch was conducted department wise on 09.07.2024.

12. KTU Internal audit will be conducted on 30th of September 2024 and on 27.11.2024

13. The PTA meetings of B.Tech higher semester students were conducted in the month of October 2024 for the odd semester and for first year students were conducted on 06.11.2024 and 07.11.2024.
14. All the departments released their newsletters of the odd semester (July 2024 to December 2024) which serve as comprehensive source of information, updates and insights to the department.

II. Co-curricular activities of students

1. All students of CSE department registered for NPTEL courses on 18.07.2024.
2. Rubicon Soft skill development workshop attended by students of CSE, DS and R & AI on 23.07.2024. The resource person was Dr. Nita.
3. All students of Robotics and Artificial Intelligence were taken to Inker Robotic Company for real world exposure to enhance their practical understanding and to connect theoretical knowledge with industry practices on 27.07.2024
4. Conducted a Technical Talk on "An Introduction to Water Treatment Science & Technology" for S5 and S7 students by Mr. Ranjith P, Dinesh, Director, International Institute of Water Science and Technology at CE Seminar Hall on 14.08.2024.
5. Conducted a Technical Talk on "Introduction to Architectural Design" for S5 and S7 students by Mrs. Aswini Valsan, Autodesk Professional Trainer, Core Institute of Technology at CE Seminar Hall on 21.08.2024.
6. Conducted Technical Training Session on "BIM Workshop" for S3, S5 and S7 students conducted by CADD Centre, Kuruppam Road, Thrissur with the support of CADD Chennai and Mathrubhumi Media on 31.08.2024.
7. An Internship program was conducted for S3 and S5 students with Arun, an Ethical hacker from FaceIn Technology, serving as the resource person. The session covered key aspects of ethical hacking and cyber security practices on 31.08.2024.
8. An internship program for S3 CS and S5CS students was held with Mr. Rajaneesh, Founder & CEO Codde Robo, as the resource person. The session focused on robotics and coding, providing valuable hands-on experience and expertise in these fields on 09.08.2024.
9. Soft skill Training classes conducted for S3 and S5 students were conducted by Dr Nitha. The sessions focused on enhancing essential skills such as communication and team work on 09.08.2024.
10. Ms. Anaswara Dinesh (AP/CSE) has coordinated the Internship Classes based on Ethical Hacking for the S3&S5 Students on 31.08.2024

11. Fifth semester students of the department participated in IEEE Engineering Students Summit, IEEE YESS 2024 at Muthoot Institute of technology and Science, Kochi on 24.08.2024.
12. A virtual Robotics workshop was conducted for S3 students by Mr. Josy James, AP in R&AI department on 08.08.2024.
13. S3, S5 and S7 students of CE department attended a workshop at CADD international, Thrissur on 27.09.2024 and some of the students attended a session conducted by AECC, Thrissur at EEE seminar hall.
14. S3, S5 and S7 students of CE department attended a session conducted by Matha Infotech Thrissur on 30.09.2024 at EEE seminar hall.
15. An orientation programme was conducted on "Future Scopes in Robotics and AI" for the S3 & S1 R&AI students on 12.09.2024.
16. S5 CE students attended Annual Lecture of IGS students Chapter, Cochin on 02.11.2024.
17. Three students from S5 CE attended the initiation by Malayala Manorama "Stand Together" to propose new plan of KSRTC Bus Stand, Thrissur on 23.11.2024 along with Ms.Salinsha V S, Lab Instructor CE.
18. Pragath, Alia K Ansari, Nadiya (S5 CE) attended Campus King and Queen Fashion Show Audition conducted by WEC Cell at EEE Seminar hall on 19.11.2024.
19. 6 students from CE department were selected as interns at Parappukkara Grama panchayath under BD Constructions on 21.12.2024.
20. Ms. Muhsina of S8 CE completed Revit Architecture Course on 31.12.2024.
21. Conducted Technical training programme for S6 & S8 CE students (on every Wednesdays) were started in association with PIE Builders & Developers, Kodakara. Ms. Anu George coordinated this program on 01.01.2025.
22. Conducted a hands-on training "Introduction on geogrid" for the Civil Engineering students of Christ College of Engineering, Irinjalakuda. Ms. Salinsha V S, Lab Instructor CE Coordinated this program on 10.01.2025.
23. S8 CE students attended Hands on Workshop on "Project Documentation using Latex". Ms. Sruthi K Chandran coordinated this program on 20.01.2025.

24. Conducted Seminar on "VASTHU" Learn how to make your surroundings a better place to live in by Rijuldas V, Chairman of Silpies Construction, Structural Engineer & Vasthu Consultant for S4, S6 & S8 CE students on 23.01.2025.
25. Conducted Quiz Competition for S8 CE students by CADD Centre, Kuruppam Road on 25.01.2025.
26. Nandhana Nakulan, Sreyas, Silviya Priju and Anandhakrishnan (S8 CE) attended the panel discussion regarding renovation of KSRTC Stand. (Lets stand together) with Minister and MLA associated with Malayala Manorama and Builders Association on 03.01.2025 along with Ms. Asha devassykutty, AP CE on 03.01.2025
27. Farsana, Thomas, Yohan of ECE had participated in 7th Expo-Sciences Asia organized by of MILSET ASIA, KUWAIT from 25.01.2025 to 27.01.2025 from 06.01.2025 to 17.01.2025.
28. Conducted ECE INNOVATION PITCH EVENT in association with IETE and department association TECSA to enhance the creativity of students. First prize was awarded to Shuhaib, Irfan, Reuben and Parthiv of S6 ECE and second prize was awarded to Thoms Dixon of S8 ECE on 20.01.2025.
29. Students of EEE department registered for DREAMVESTOR 2.0 initiative by KDISC and ASAP Kerala to ignite entrepreneurial spirit in college students across Kerala on 04.11.2024.
30. Aan Joel of S5 EEE and Mohammed Fariz K R of S3 EEE participated in the District Level Power Quiz 2024 conducted at IESCE which was organised by KSEBB Officers Association on 06.11.2024.
31. Final year students of EEE department did THUNDER EV Startup Launch-Driving Innovation for a Greener Tomorrow, under the guidance of Dr. John Chembukkavu on 17.11.2024.
32. The Students' Start Up website of EEE was launched on 17.11.2024
33. Under the guidance of Dr. John Chembukkavu, IESCE has been shortlisted for Kerala State Energy conservation Awards, 2024 organised by Energy Management Cener. (EMC)
34. Final year students of EEE department submitted their idea in IDEATHON 2024, money conclave initiative on 12.12.2024.
35. Final year students of EEE department submitted their start up ideas in YUKTHI Innovation Repository, Govt. of India initiative on 23.12.2024.

36. Final year students of the EEE department registered for NPTEL course in Industrial Automation & Control on 03.01.2025.
37. Students and faculties of the department EEE participated in the Seminar on Future of Robotics by Mr. Manu Joseph, Team Lead- Robo Park, Inker Robotics coordinated by Ms Anitha Mathew on 13.01.2025.
38. Faculties and Students of the department EEE participated in the workshop on AUTOCAD- Electrical by Ms Rajisha, faculty CADD center, Thrissur coordinated by Ms Sruthi V and received the certificates on 13.01.2025.
39. Enosh Wilson, Nidhin Seby, Rosewin K L, Steming Jeff of EEE Department did one week maintenance work at C J Light and Sound, Thrissur on 13.01.2025.
40. AQUASCAN Project team comprising of Limna Jeejo, AthulKrishna V, Krishnalal T B and Vijnyadh A V, students from S8 EEE along with staff members applied for patent on Water Quality on 24.01.2025.
41. Sreerag C U, Amal A V, Manu Krishnan T B and Vijnyadh A V attended seminar on BIM AUTOCAD-Skill Up 2025 conducted by CADD Center, Thrissur on 25.01.2025.
42. Limna Jeejo, AthulKrishna V, Krishnalal T B and Vijnyadh A V of S8 EEE registered their project AQUASCAN as Start Up at Idea Fest, Kerala Start Up Mission under the guidance of Ms Simitha K M on 27.01.2025.
43. Department of EEE conducted Electric Vehicle workshop by Dr John Chembukkavu, Rizwan K R and Manu Krishnan & Solar Plant Visit for students from technical colleges coordinated by Ms Sruthi V on 28.01.2025.
44. Staff and Students of the department EEE participated in the industrial visit to MTTC, International LLC and to Fort Kochi, coordinated by Ms Sruthi V on 29.01.2025.
45. Students of EEE department who attended exams of Keltron Electric Vehicle Course received certificates from Mr Mohammed Faisal, Keltron Program Coordinator on 30.01.2025.
46. 11 students from S3 R & AI dept attended national level webinar on topic career options and industry orientation for engineers conducted by Robohome learning in collaboration with IES College of Engineering on 13.11.2024.
47. 11 students from S3 R & AI attended national level technical quiz on the topic Humanoid robot and drone development for engineers conducted by

Robohome Learning in collaboration with IES College of Engineering on 14.11.2024.

48. The Robotics & AI Association was inaugurated with its name RAISE on 19.12.2024 and a seminar was conducted on the same day by Mr. Aravind, CEO Robohome Learning.
49. Students Association of Data Science department was inaugurated on 02.11.2024.
50. All students and staff of CSE (DS) dept participated in POWER-BI workshop conducted by office master and obtained certificates on 08.11.2024.
51. A technical talk on "Scope of Data Science" was conducted on 07.2.2025. Mr. Harikrishnan G R, Assistant Professor in CSE dept of MES College of Engineering, Kuttippuram was the resource person.
52. The department association of S & H dept inauguration was held on 20.11.2024. Mr. Poulose Thomas inaugurated the same.
53. IES Chittilappily student chapter of the Kochi Chapter of Indian geotechnical Society got certificate of appreciation in recognition of the services, programmes and activities conducted to motivate and inspire the students to work in the area of Geotechnical engineering and allied fields on 24.02.2025.
54. Mohammed Zian and Niya Fathima presented a paper on "Biochar - Enhanced Concrete: A Suitable Approach to Reducing Carbon Emissions and Enhancing Durability" at the National Conference held at Christ Engineering College under the guidance of Ms. Sruthi K Chandran on 21.03.2025.
55. One team of students of S6 Civil Engineering got first prize and another team won the second prize in the event "Span & Strength (Bridge making competition) organised by Nirmala Institutions, Chalakkudy as part of their Techfest on 07.03.2025
56. A Tech talk (online) on Latex was organised by the Department of CSE in association with CESA with Fathima Dilsha, Nandana O R and Ayisha Dilna from S8 CSE serving as the resource persons exclusively for CSE students a spart of EVOTECH- technical club on 04.02.2025.
57. The workshop on LaTeX software for the S6 CE students was facilitated by the students of S8 CSE on 02.02.2025.
58. Mr. Shalbin Benny of S6 CSE Regional Coordinator of the Energy Cell for the Thrissur region successfully delivered a session as part of the Energy Cell Awareness Programme at Vidya Academy of Science & Technology on 02.02.2025.

59. A 3-day workshop on Data Analytics using Python, organized by the Department of CSE in association with Sahridaya College of Engineering, for S4 students from 10.03.2025 to 12.03.2025.
60. Alenta Nixon, Athul E.R from s6 CSE secured third position in Design quest organized by Christ College of Engineering, Irinjalakuda on 25.03.2025.
61. Conducted a technical talk by Mr. Harikrishnan G R, Assistant Professor from MES College of Engineering, Kuttippuram on the topic, Scope of Data Science" on 07.02.2025.
62. Students attended a webinar conducted by IEDC "Empowering success through knowledge" done by Dr. Joe Patrick. On 25.02.2025.
63. Akhil A, Hisana Basheer, Mohammed Shihaj K published paper "Tasty Tap" in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) VOLUME 1, ISSUE 2, Pages 47-54 (2025) on 27-03-2025.
64. Farsana Thasneem P. A, Thoms Dixon, Yohan Jacob Jijy published paper "Lifeguard X: The Future of Water Rescue with Remote Controller" in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) VOLUME 1, ISSUE 2, Pages 30-38 (2025) on 27-03-2025.
65. Abishek K.S , Mohammed Hashir, Farhana Habeeb published paper "Smart Ration Distribution System" in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) VOLUME 1, ISSUE 2, Pages 77-84 (2025) on 27-03-2025.
66. Ajay Krishna C K, Alfin E J, Ajin P S published paper "IoT Agricultural Plantation And Monitoring System" in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) VOLUME 1, ISSUE 2, Pages 71-76 (2025) on 27-03-2025.
67. Aadhil K. S, Aafrin Fasal, Farhan published paper "ChatGPT Based Interactive Robot" in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) VOLUME 1, ISSUE 2, Pages 55-62 (2025) on 27-03-2025.
68. Aliya Shirin, Aslam V A, Mrinal M L published paper "Cloud Based Intravenous Drip Monitoring System" in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) VOLUME 1, ISSUE 2, Pages 176-181 (2025) on 27-03-2025.
69. Conducted one day workshop on 01.02.2025 on "Practical insights into embedded systems: Hands on workshop with ARM Cortex-M3/M4 processors.

70. Seminar on Emerging opportunities in Engineering and latest technologies was conducted by Dr John Chembukkavu, Mr Praveen Francis and students of S8 EEE Godwin P P, Aswin V S and Amal C J under I4 TECH Solutions, start-up of Dept. of EEE at MTI Thrissur on 07.02.2025.
71. ROBO SHOW was conducted by Dr John Chembukkavu, Mr Praveen Francis and Godwin P P, student of S8 EEE under I4TECH Solutions, start-up of Dept. of EEE at St Antonys High School, Ammadam on 21.02.2025.
72. Manukrishnan K D, Amal A V, Rizwan K R of S8 EEE did repair works under THUNDER EV START UP on 28.02.2025.
73. Athulkrishna V, Krishnalal T B, Limna Jeejo and Vijnyadh A V received UK Design Patent grant of Real Time Online Water Quality Monitoring Device on 07.03.2025.
74. Certified training course on Electrical System Design and AutoCAD started for S8 EEE students by MTTC International LLC coordinated by Ms Simitha K M, placement coordinator of the department on 13.03.2025.
75. Godwin P P, Amal C J, Aswin V S, Adith P M, Fenex K Wilson, Denson P D, Regis Nixon of i4 Tech Solutions Start-up successfully created high quality LED Bulbs with advanced features and energy efficiency under the supervision of Dr John Chembukkavu and Mr Praveen Francis on 17.03.2025.
76. Godwin P P, Amal C J, Aswin V S, Adith P M, Fenex K Wilson, Denson P D, Regis Nixon of i4 Tech Solutions Start-up successfully created and delivered latest Solar Tilt mechanism optimizing solar energy by automatic adjustments of panel angles to MTI Thrissur under the supervision of Dr John Chembukkavu and Mr Praveen Francis on 19.03.2025.
77. Kirandas K of S6 EEE participated in VIKSIT Bharat Speech Competition at VIKSIT Bharat Youth Parliament programs, Trivandrum on 23.03.2025.
78. All students of S8 EEE published papers related to their project works under the guidance of Project coordinator Ms Anitha Mathew and respective guides in IESIJMER (IES International Journal of Multidisciplinary Engineering Research) for Volume 1, Issue 2 Bi-annual Journal on 25.03.2025.
79. Students of the department participated in the workshop on Industrial Automation conducted by SMEC Automations, Kochi coordinated by Ms Simitha K M on 28.03.2025.

80. Students and faculty members of Mechanical Department participated in the food donation event organized by the Association of Royal Mechanical Engineers (ARME) on 07.02.2025 at the Pope Paul Mercy Home in Athani, Thrissur.
81. Students and faculty members of Mechanical Department participated in the food donation event organized by the Association of Royal Mechanical Engineers (ARME) on 07/02/25 at the Pope Paul Mercy Home in Athani, Thrissur on 07.02.2025.
82. ME Department organized a guest lecturer Programme on Benefits of cad software in industries on 19.02.2025 & 03.02.2025 to S6 and S8 Students. Programme conducted by CAD CENTRE, Thrissur.
83. ME Department organized a workshop on Introduction to Latex on 24.02.2025 for S8 and S4 students. Conducted by Mr. Ayush K R, AP ME.
84. S8 students Abhishek M S, Adithya Ajay, Augustin Antony, Ismail Ashker applied his research paper in IES international journal of multidisciplinary Engineering research (IESIJMER) and title of paper is Electrical cashew nut Roasting Machine on 25.03.2025.
85. S8 students Jeswin A J Mohammed, Nihal A H, Sayooj Suresh, Yadhukrishna K applied their research papers in IES International Journal of Multidisciplinary Engineering Research (IESIJMER) and the title of the paper is integrated fire detection seat belt release and Door unlocking system for enhanced vehicle safety on 25.03.2025.
86. S&H department conducted quiz program regarding Pi day on 14.03.2025.
87. Department program - Inauguration TMA chapter - A seminar on beyond text book conducted on 19.03.2025.
88. Department program - Face prep Linkedin career kick starter workshop conducted on 25.03.2025.
89. All students from S8 CE published journals in Volume 1, Issue 2 of IES International Journal of Multidisciplinary Engineering Research on 30.04.2025.
90. Agnimithren K Menon (S6 CE) got first prize in Video Making Competition regarding Dengue Awareness Program on 22.05.2025.

91. S5 students (2025 batch) attended a panel discussion regarding antinarcotics with our District Collector Shri. Arjun Pandian on 28.05.2025 along with Ms. Anju E M, HoD CE.
92. Tech Talk: Computer Architecture with RISC V organized by Department of CSE (Resource Person- Swapneel Chandrakant Mhatre) for S6 and S4 Students on 03.04.2025.
93. 25 students from S6 CSE completed Infosys Springboard- Machine Learning Foundation Certification on 03.04.2025.
94. Mr. Ashmith T M from 2020 batch was selected as Electro Technical officer in Mediterranean Shipping Company on 20.04.2025.
95. TCV news channel shared a news of CHATGPT interactive robot, a final year project done by Mr. Aadhil K S, Ms. Aafrin Fasal and Mr. Mrinal guided by Ms. Sowmya P C.
96. Semester 8 and semester 6 students of the department attended an industrial visit to SMEC LABS Kadavanthra and Kaloor, Kochi for hands on training in PLC automation and Installation on 12.04.2025. Ms Anitha Mathew, Ms Simitha K M, Ms Amalu Sunil, Ms Sujina K, Ms Sruthi V, Mr. Praveen Francis and Ms Anaswara V accompanied the students.
97. All project groups from semester 8 submitted their idea for STRIDE Designathon 2025 under the guidance of Ms Anitha Mathew on 20.04.2025.
98. Rizwan K R, Manu Krishnan K D, Amal A V and Godwin P P, semester 8 students of the department took classes for 15 days EV Session internship program for diploma students under the guidance of Dr John Chembukkavu on 23.05.2025.
99. Electrical Safety Website (ELSA) created by Manu Krishnan K D, Amal A V, Mohammed Faris was successfully inaugurated by Thrissur District collector at the collectorate, under the guidance of Dr John Chembukkavu on 28.05.2025.
100. Semester 8 students (11 students) attended electrical design course conducted by MTTC international LLC, Kochi on 31.05.2025 which was organized by Ms. Simitha K M, AP EEE.
101. The Radio Mango team visited the college on 19.06.2025 for the promotion of the start-up of EEE dept students. The start-ups are i4 tech solutions and Thunder EV.

102. Dept of EEE published a patent on "Real- time online Water Quality Monitoring Device"(Project of 2021-25 batch) Design number : 6421941 by the students and faculty members.
103. The students of S6, Shahul Hameed M.K and Ansar PS applied IEDC STRIDE hackathon programme on 15.04.2025.
104. The Students from CSE, ECE and R & AI depts have gone to Malaysia for participating in the "Robo Rose" Competition which will be conducted by the Asia Pacific University (APU) of Technology & Innovation at Kulalampur. Ms. Shahaziya Parvez M, HoD R & AI i/c and Mr. Sukan J, AP in CSE & Group System Administrator have accompanied them as their mentors. The students are Mr. Adithya Dinesh, S4 CSE, Mr. Adish G R, CSE S4, Mr. Adarsh S D, S4 R & AI and Mr. Mohammed Faheem. K A, ECE S4.

III. Co-Curricular Activities –Faculty Members

| Dept | FDP | Webinar | Seminar | Workshop | Paper Publications | Conference | Patent |
|--------|-----|---------|---------|----------|--------------------|------------|--------|
| CE | 9 | 2 | 1 | 4 | 7 | - | - |
| CSE | 18 | - | - | 2 | 9 | 1 | 1 |
| ECE | 7 | 1 | - | 1 | 15 | - | - |
| EEE | 9 | - | 4 | 1 | 5 | - | - |
| ME | 3 | - | - | - | 1 | - | 1 |
| DS | - | - | - | - | 3 | - | - |
| R & AI | 2 | - | 1 | - | 1 | - | - |
| S&H | 7 | 1 | 2 | 1 | 1 | - | - |

IV. College Activities in General

1. **Software training:** Most of the faculty members attended the Linways training on ERP software on 12.07.2024.
2. **Union Election:** The students 'Union election was conducted on 26.07.2024
1. **The reunion of EEE 2010-2014** batch was taken place in the auditorium on 27th July 2024.
2. **Inaugural function** of Students' Union: The inauguration of the students' union was held on 23.08.2024.
3. **Graduation ceremony of 2020 batch:** IES College of Engineering conducted graduation day for 2020 Batch Students on 30th of July 2024. The Chief Guest was Dr. K Muraleedharan, Former Director, CSIR(CGCRI) and former Director(DOM), DRDO Delhi. The Management Representatives, Principal, Heads of departments

participated in the ceremony followed by an academic procession from the main block of the college. Total 198 students were conferred the certificates. The college magazine for the year 2023-24 was also released by the Chief Guest.

4. **The Orientation programme for the first year students** (2024 batch) was held on 2nd September 2024. The Chief Guest was Mr. Manoj P Kammath, an inspirational orator and creative colossus.
5. **An antinarcotics awareness programme "ATHEEDHRIYA"** was inaugurated at IES Public School on 11th September 2024. IES College of Engineering in association with Excise department of Kerala has initiated the programme and continuing this programme for the schools in Thrissur district.
6. **Techfest- Encaster 4.0**: The tech fest was conducted on 4th and 5th of October 2024. It was inaugurated by the Scientist G Shri K Mohanan, NPOL, Kochi and the Chief Guest was Shri Prakash G S, MSME DFO, Head of Office, Thrissur. More than 3000 students from various schools and colleges participated in the fest. The department of Civil Engineering won the first position in the project competitions.
7. **An anti-ragging awareness programme** was conducted on 15th of October 2024 by the District Legal services authority and Taluk Legal Services Committee. Adv. Sushil V B, Panel Lawyer of DLSA was the resource person.
8. **The Kerala piravi celebration** was taken place on November 1, in the campus. Various competitions were conducted for the students. Mechanical Engineering Department won the first position in the competitions. In the afternoon, Singarimelam and Nadaswaram were conducted.
9. **Award for IEDC**: The college received National Brilliance Excellence Award in the category nurturing Employability Entrepreneurship in Education for our IEDC Unit.
10. **Award for NSS Unit**: The college received National Brilliance Excellence Award for the best NSS Unit.
11. **The Staff Day** was conducted on 16.12.2024 with various cultural programmes by the departments.
12. **The Freshers' Day** was celebrated department wise on 18.12.2024
13. **The Christmas celebration** of the students and the staff was conducted on 19.12.2024 and 20.12.2024 respectively.

14. **Flower Show 2025:** The college actively participated in the Flower Show 2025 which was conducted from 10.01.2025 to 22.01.2025 by Horticultural Society, Thrissur at Sakthan Ground. The students did Project Demonstrations at the venue of Flower Show, Thrissur.
15. **Seminar Hall:** The Seminar Hall after renovation was inaugurated on 17.01.2025 by Mr. Syed Mohamed P T, President, IES And Mr.Sijith MS, Alumni Association Secretary. It is named as Alumni Seminar Hall. It is in the ground floor of the Main Block. The fund was donated by the Alumni of our institution.
16. **Staff tour** was conducted on 24.01.2025. Athirappilly, Thumburzhil and Ezhattumugham were the places visited by the staff.
17. **The Arts Fest** – Off stage programmes were conducted on 5th, 6th and 7th of February 2025. The on-stage programmes were conducted on 13th, 14th and 15th of February 2025. The dept of CSE, ECE & CE won the first, second and third positions respectively. Mr. Agnimithren S Menon, S6 CE was selected as Kala Prathibha & Chithra Prathibha. Ms. Athulya Nandakumar, S6 ECE was selected as Kalathilakam. Mr. Rohith T R, S8 CE, Ms. Riyana Farisa, S8 CSE and Ms. Sreenidhi, S2 DS were shared the Sarga Prathibha
18. **The College Day** was celebrated on 28.02.2025 in a grand manner. This year, besides the students' programmes, faculty and staff members presented their dance programs. Parents also actively participated by presenting dance. The Cine Artist, Mr. Vivek Viswam inaugurated the function. A musical concert was presented by Mr.Jassie Gift and his team.
19. **Iftar** was conducted department wise on 25.03.2025 from 6.30 pm to 8.30 pm.
20. **New Software:** College has introduced a new campus software of Etlab. One day training was given to all faculty and the staff members concerned on 05.05.2025.
21. **A five days FDP** was conducted from 17.06.2025 to 21.06.2025 on "AI & ML Foundations: From Mathematics to Data Science" through online and offline mode. The Chief coordinator of FDP was Ms. Remya P C, HoD CSE i/c. The faculty members participated in the FDP through offline from our institution are 31. 10 members from CSE, 6 members from CSE (DS), 4 members from R & AI 8 members from ECE, 2 members from EEE and 1 faculty member from ME. 2 Faculty members from Christ College of Engineering, 1 faculty member from Vidya Academy of Science & Technology and 1 faculty from Thejus Engineering College participated through offline mode. There were 35 participants from various college participated through online mode.

V. Patents published/Granted

| Sl. No. | Patent Number | Title | Patent Issuing Authority | Name of the person/s associated with the patent | Year of Patent Granted 2024-25 | Year of Patent Published 2024-25 |
|---------|---------------|---|------------------------------|--|--------------------------------|----------------------------------|
| 1 | 6463103 | Predictive Analytics device utilising gesture control | Intellectual property office | Dr.S Brilly Sangeetha, Neethu Prabhakaran, Athira Bose | 4/Sep/2025 | |
| 2 | 6423178 | Data Processing Equipment with Dynamic Input Controls | Intellectual property office | Ms Remya P.C,Ms.Shejina N.M, | 25/Feb/2025 | |
| 3 | 6388561 | Voice Commanded Intelligent Assistant Device | Intellectual property office | | | |
| 4 | 202241049422 | Next Step Towards Sustainable Agriculture Using Blockchain Technology | Intellectual property india | Dr.S Brilly Sangeetha | | |

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|---|--------------|--|---|------------------|---------|---------|
| 5 | 202341004315 | Automatic Behavior Prediction for rule-based data processing using machine learning | Intellectual property india | | | |
| 6 | 6423178 | Data Processing Equipment with Dynamic Input Controls | Comptroller-general of patents, designs and trademarks | SANTHI P | 2024-25 | 2024-25 |
| 7 | 202541047877 | Proposed architecture for implementing a monitor y digital twin in smart farming systems | Department for promotion of industry and internal trade | BENCY VARGHESE A | | 2025 |
| 8 | 202541048509 | Automated modular flood barrier system with real time sensing and adapting deployment | Department for promotion of industry and internal trade | BENCY VARGHESE A | | 2025 |

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|----|-------------------------|--|----|--|--|--|
| 9 | TEMP/E-1/35009/2021-CHE | "Smart Pavement System with Real Time Traffic Monitoring and Energy Harvesting" | | Dr. S. Brilly Sangeetha, Anju E M, Angela C Joy, Oshin Ann Mathews, Anu George, Seemon S, | | |
| 10 | 202341044499 | Depth and accelerometer sensor based magnetic extensometer for the measurement of subsoil settlement | | Dr. S. Kamalakannan, Ms. Anjali Baby, Ms. Steffy Maria Simom, Ms. Anju E M, Ms. Glynez Joseph, Ms. Oshin Ann Mathews, Ms. Angela C Joy | | |
| 11 | 6360302 | AI Drone for Precision crop health monitoring | UK | Vinodh Kumar Arulappan | | |
| 12 | 6360303 | AI Enhanced Drone spraying for precision farming | UK | Vinodh Kumar Arulappan | | |
| 13 | 6360304 | Coconut opener device | UK | Vinodh Kumar Arulappan | | |
| 14 | 6360305 | Pen to Text converter device | UK | Vinodh Kumar Arulappan | | |

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|----|--------------|---|----|------------------------|------|------|
| 15 | 6360306 | Pyrolysis plant | UK | Vinodh Kumar Arulappan | | |
| 16 | 6360307 | Smart Trolley | UK | Vinodh Kumar Arulappan | | |
| 17 | 6360308.00 | Solar powered phone holder | UK | Vinodh Kumar Arulappan | | |
| 18 | 6360309 | Vegetable cutter machine | UK | Vinodh Kumar Arulappan | | |
| 19 | 6421941 | Real-time Online Water Quality Monitoring Device | | Dr John Chembukkavu | 2025 | |
| | | | | Simitha K M | | |
| | | | | Amalu Sunil | | |
| | | | | Sujina K | | |
| 20 | 451891-001 | IoT-integrated renewable energy pole for speed detection and monitoring | | Anitha Mathew | | 2025 |
| 21 | 6388561 | Voice commanded Intelligent Assistant Device | | Dr John Chembukkavu | 2025 | |
| 22 | 202341004315 | Automatic Behavior Prediction for rule-based data processing using machine learning | | Dr John Chembukkavu | | |

| | | | | | | |
|----|--------------|---|------------|--|------|----------|
| 23 | 6391529 | Efficient power distribution unit with smart energy monitoring device | | K Sujina | 2025 | |
| 24 | 202341004315 | Automatic Behavior Prediction for rule-based data processing using machine learning | | Dy. John C | | |
| 25 | 202321037972 | Estimation of soil strength using artificial intelligence method in geotechnical engineering. | INDIA N | Anju E.M | | |
| 26 | 450745-001 | AI-Powered IOT integrated smart die manufacturing Device | INDIA N | Aneesh A,Akshay Jojo,Rahul Rajmohan,Anil D Koola | | 7/3/2025 |
| 27 | 202541000000 | SOIL TESTING NANO-ROBOT | | Anju E.M, Ashwin Gowda, Mathilagam Sumesh | | 2025 |

VI. Publications

| Details of publications -Scopus | | | | | | | | | | |
|---------------------------------|-----------------------------------|---|--|---------------------|-----------|----------------|-------------------|-----------------|---------------------------------------|---|
| Sl. No | Full Name of Authors | Title of the Article | Name of Journal | Year of Publication | Vol. No. | Issue No. | Starting Page No. | Ending Page No. | Article No.(in case of no pagination) | DOI |
| 1 | LINU BABU P | Lossless compression of wireless capsule image using the Tetrolet transform coupled with modified capsule SPIHT | Australian Journal of Electrical and Electronics Engineering | 2025 | | | | | | https://doi.org/10.1080/1448837X.2025.2451848 |
| 2 | SINDHU T.V | Octa multibit upset correction in SRAM memories using interleaved MPC code | International Journal of Information Technology | 2025 | Volume 17 | | 3519 | 3525 | | https://doi.org/10.1007/s41870-025-02468-2 |
| 3 | SINDHU T.V | A Review of Burst Error-Correction Codes with Parallel Decoding | Springer Nature Link | 2024 | | | 389 | 396 | | |
| 4 | Dr. S.Brilly Sangeetha, P. Santhi | Dense Residual Network-Powered Early Detection of Cardiovascular Diseases Using Multimodal Medical Imaging | Journal of Neonatal Surgery / | 2025 | Vol 14 | No. 6S (2025): | 175 | 186 | | https://doi.org/10.52783/jns.v14i22.21 |

| | | | | | | | | | |
|----|---|---|-----------------------------|------|---------|----------|-----|-----|---|
| 5 | Neethu Prabhakaran | Deep learning driven smart wearable for early prediction and prevention of diabetic complications | Journal of Neonatal Surgery | 2025 | 14 | 6s | 228 | 238 | https://www.jneonalsurg.com |
| 6 | Dr. S Brilly Sangeetha | Enhancing surgical precision with convolutional neural networks and IOT in Robotic surgery | Journal of Neonatal Surgery | 2025 | 14 | 14s | 1 | 10 | https://doi.org/10.52783/jns.v14.3643 |
| 7 | Anju E.M., Vijay Shankar G.R. and Balasundaram N. | Effect of phytoremediation on the geotechnical properties of heavy metal contaminated soil | Global NEST Journal, | 2023 | Vol 25, | 7 | 52 | 60 | https://doi.org/10.30955/gnj.004987 |
| 8 | Akhil Mukundan, M. S. Anagha, Tania Thankam Mathew, Tom K. Bijoy, Asha Devassykutty | Design and Modelling of a Precast Concrete Structure and Its Performance Evaluation with Conventional Structure | Springer Nature Switzerland | 2023 | 381 | November | 415 | 425 | 10.1007/978-3-031-59663-2_34 |
| 9 | Dr. S Brilly Sangeetha | linking supply and demand in detail through IOT | | 2024 | | | 1 | 10 | https://doi.org/10.1108/978-1-83608-634-520241001 |
| 10 | Dr. S Brilly Sangeetha | AI driven wearable nanosensor system for athlete training and performance optimization | Nanotechnology Perceptions | 2024 | 20 | S16 | 318 | 328 | http://www.nano-ntp.com/ |

| | | | | | | | | | | |
|----|------------------------|---|--|------|----|---|------|------|--|------------------------------|
| | | using deep neural network | | | | | | | | |
| 11 | Dr. S Brilly Sangeetha | REINFORCEMENT LEARNING BASED BLOCKCHAIN FOR ENHANCED ATTACK DETECTION IN IOT NETWORKS | | 2023 | 14 | 2 | 2952 | 2958 | | DOI: 10.21917/ijct.2023.0439 |

VII. Industrial Visit- As part of curriculum, the students have visited industries related to their academic topic.

| Sl No | Sem & Branch | Date | Place | Industry | Faculty/Staff accompanied |
|-------|------------------------------------|--------------------------|--------------------|--|--|
| 1 | S6CSE | 18.01.2025 to 22.01.2025 | Dandeli, Goa | Global Engineering Services, Dandeli | 1. Ms. Athira A K, AP CSE 2. Mr. Anil D Koola, AP ME 3. Ms. Devika Pranesh-Lab Instructor, CSE |
| 2 | S6 CE | 25.01.2025 to 29.01.2025 | Goa | Sewage Treatment Plant | 1. Ms. Anju E M, HoD CE i/c 2. Mr. E K Gopalan, Lab Instructor CE |
| 3 | S4 EEE S4 R & AI S4 CSE (DS) | 25.01.2025 to 27.01.2025 | Wayanad | Banasura Sagar Dam & Floating Solar Plant | 1. Ms. Sruthi V, AP EEE 2. Ms. Priya P, AP CSE (DS) 3. Mr. Krishnaprasad, Lab Instructor, R & AI |
| 4 | S4 ECE | 25.01.2025 to 27.01.2025 | Munnar | Kannan Devan Tea Factory | 1. Ms. Sowmya P C, AP ECE 2. Mr. Ayush K R, AP ME |
| 5 | S4 CSE | 25.01.2025 to 27.01.2025 | Munnar | Ripple Tea Outlet | 1. Ms. Athira E P, AP CSE 2. Mr. Shajahan P M, AP S & H |
| 6 | S4 CE & S4ME | 30.01.2025 to 02.02.2025 | Wayanad | Karapuzha Dam | 1. Ms. Anu George, AP CE 2. Mr. Vinodhkumar A, AP ME |
| 7 | S8 CSE | 18.02.2025 To 27.02.2025 | Rajasthan, Agra | Network Bulls Educational Institution, Delhi | 1. Ms. Aysha, AP CSE 2. Mr. Benny Lazar, Lab Instructor ME |
| 8 | S8EEE | 19.02.2025 To | Kodaikanal, Idukki | Jeevan Tea Factory. Idudki | 1. Mr. Sreerag K R, AP EEE 2. Ms. Amalu Sunil, AP EEE |

VIII. IEDC Activities

| SL.NO | DATE | EVENTS |
|-------|------------|--|
| 1 | 24-02-2025 | LinkedIn workshop for first year students |
| 2 | 25-02-2025 | IPR (Intellectual Property Rights) session |
| 3 | 06-03-2025 | Web development workshop- Technical workshop |
| 4 | 13-03-2025 | Start-up cell idea pitching competition |

IX. Achievements of the Principal, HoDs and faculty

1. Dr S Brilly Sangeetha, Principal IESCE received a patent entitled as Certificate of Registration for a UK Design on 16.09.2024.
2. Dr S Brilly Sangeetha, Principal IESCE received UK Design Patent Grant on topic entitled Voice Command Intelligent Assistant Device on 24.09.2024.
3. Dr. S Brilly Sangeetha, Principal, IESCE is selected for the **"Inspiring Education Hero Award"** by the EGN- Higher Education Southern India Conclave. The award will be distributed on 28th June 2025 at Le Meridien, Kochi.
4. An FDP was conducted by the Principal, IESCE on 31.05.2025 exclusively for the faculty members of IESCE. The topic of the FDP was "Teaching Techniques - An Indian perspective". Most of the faculty members attended the FDP.
5. Dr S Brilly Sangeetha, Principal participated in the International FDP on "Empowering Faculty for Ethical Teaching in the Digital Era" from 2nd June to 7th June 2025.
6. Dr. S Brilly Sangeetha, Principal was the resource person on 20th June for the 5 days-FDP conducted by the Department of CSE of IES College of Engineering from 17th June to 21st June, 2025 on the topic "Applied probability and statistics for AI and Data Science".
7. IES College of Engineering received 32nd Rank as per the KIRF (Kerala Institutional Ranking Framework) ranking conducted by Kerala State Higher Education Council. The award distribution ceremony was conducted on

15.02.2025 at St. Teresas College, Ernakulam. Principal and Ms. Rachana M K, HoD ECE received the certificate.

8. IES College of Engineering received 3-star certificate for our Institution Innovation Cell (IIC) for the academic year 2023'24 awarded by Ministry of Education, Govt. of India for the various activities undertaken by the cell.
9. IES College of Engineering has been accredited with one star rating by Kerala Start Up Mission (KSUM) for developing a strong Start up ecosystem in the institution for the year 2022-'23 and has secured 15th position in innovation premier league out of 83 colleges.
10. The logo of IESIJMR journal (IES International Journal of Multiple disciplinary Engineering Research) was released on 17.01.2025 by Mr. Syed Mohammed P T, IES President.
11. Ms. Anitha Mathew, AP EEE was selected as evaluator for the District Level online evaluation of Young Innovators Programme (YIP)5.0 and 6.0organised by K-DISC.
12. Ms. Santhi P, HoD DS coordinated with KBAIC programme and college is certified as KBA innovation club member.
13. Dr Johnn Chembukkavu attended one-day regional meeting organized by Additional Skill Acquisition Programme (ASAP KERALA) at Thrissur on 06.08.2024.
14. Dr Johnn Chembukkavu is recognized for the outstanding contribution as an editor for the book titled Futuristic Trends in Electrical Engineering, Volume 3 book 2 on 11.08.2024.
15. Dr S Brilly Sangeetha, Principal IESCE was the resource person for Engineers' Day celebration in the Institution of Engineers, Thrissur on 15th of September 2024. The topic handled was "Artificial Intelligence & Beyond".
16. Ms.Remya PC, HoD CSE received a patent entitled as Certificate of Registration for a UK Design on 16.09.2024.
17. Ms.Santhi P, HoD DS got NPTEL certification in Python for Data Science on 03.10.2024.
18. Dr John Chembukkavu, HoD EEE received UK Design Patent Grant on topic entitled Voice Command Intelligent Assistant Device on 24.09.2024.

19. Dr John Chembukkavu, HoD EEE and Ms Sujina ,AP EEEK received UK Design Patent Grant on topic entitled Efficient Power Distribution unit with Smart Energy Monitoring device on 26.09.2024.
20. Mr. Raveendran PK, Lab Instructor ME was appreciated for developing the lab equipment (Sine bar, comparison study dial indicator) for the department.
21. Mr. Thomas Francis, Lab Instructor ME was appreciated for the repair and modification of thermal lab equipment.
22. Mr. Aneesh A, HoD ME has been nominated as one of the coordinators of first international conference of APJAKTU.
23. Mr. Praveen Francis, Lab instructor EEE repaired some of the lab equipments in the EEE department.
24. Ms. Angela C Joy (AP, CE) got ASAP Membership on 29.11.2024.
25. Ms. Shamna Abdulla (AP CE) published a journal titled "Spatial and Temporal Analysis of Historical Rainfall Patterns and its Climate Change Impact on Peechi Dam Catchment Area" on International Research Journal of Engineering and Technology, Volume 11, November 2024.
26. Our institution became the partner of Red Hat Academy on 17.11.2024.
27. Ms. Remya P C, HoD CSE has completed the AI & ML Specialist with Python course with grade A+ from Kites softwares Private Ltd.
28. Remya P C, Head of the Department of Computer Science and Engineering, published a research paper in the ICTACT Journal on Soft Computing, titled "Secured and Transparent Deployment: Addressing Vulnerabilities in Inspection ResNet for Autonomous Computing and Manufacturing on 19.01.2025
29. Ms. Sowmya P C, AP in ECE successfully completed the NPTEL course on Digital Circuits.
30. Ms. Rachana M K and Ms. Suvitha P S published a paper named "Secure and transparent Model Deployment using addressing vulnerabilities in Inception-Resnet for autonomous Robotics & Manufacturing" in ICTACT journal on soft computing on 28.01.2025.

31. Ms. Anitha Mathew, AP EEE submitted proposals for UYARE- Technology Development Funding Programme by IIT Palakkad for financial assistance on 06.11.2024.
32. Ms Anashwara V designed and developed Smart Flower Pot and exhibited at IES Robotic show at the venue of Flower Show, Thrissur on 13.01.2025.
33. Dr John Chembukkavu, Ms Simitha K M, Ms Amalu Sunil, Ms Sujina K and AQUASCAN Project team of 4 students from S8 EEE applied for patent on water Quality on 24.01.2025.
34. Dr John Chembukkavu published paper, Secure and Transparent model deployment using addressing vulnerabilities in inception-Resnet for autonomous Robotics and manufacturing in ICTACT Journal on Soft Computing on 27.01.2025.
35. Ms. Shahaziya Parvez M completed RPA, Generative AI and computer vision certification in Infosys Spring board on 18.11.2024.
36. Ms. Sandra P S, Lab instructor of the department certified with NPTEL course in "programming in Java" on 27.11.2024.
37. Ms. Padmapriya V K, HoD S & H, Mr. Shajahan P M and Ms. Linty Antony, Assistant Professors in the department successfully completed NPTEL Course on 11.11.2024.

X. Achievements of the students

1. Abhilash P.S of S5 CSE has secured first secured prize in the event Code at First Sight as part of Riti 9.0 Intercollegiate Tech Fest organized by the Department of Computer Science, Vimala college Thrissur.
2. Aanjoel A S and Mohammed Razal K of S5 EEE secured first and second prizes in Energy Quiz conducted by KSEB Engineers association and got selected to district level Energy Quiz on 29.08.2024.
3. Agnimithren S Menon and Adithykrishna K Menon of S5 CE got third prize in wall painting competition conducted by Rudhirasena Thrissur, Palakkad region on 30.09.2024.
4. Michelle Aijo, Nijo Nelson, Aneena, Sangeeth and Abin Santhosh from S5CSE have secured second position in the Syntax Stories (Coding Competition) conducted by Novus techfest, Dept of Data Science, St.Thomas College, Thrissur on 26.09.2024.

5. Aneena Varghese of S5CE has been selected as Campus Ambassador First Runner UP of Civilianz MAZE 6.0
6. Michelle Aijo, Nijo Nelson from S5 CSE has secured first position in the NASA Space Apps Challenge 2024 -Senior Category on 13.10.2024.
7. Abhijith V Nair (S5 CSE), Shiraz (S3 CSE), Jismy (S5CSE) has secured first, second and third positions in REDHAT INDIA CHALLENGE QUIZ-2024 on 27.10.2024.
8. Adarsh Pramod P and Muhammed Rinshad K, students of Semester1 DS have become the first level winners in RBI 90th Anniversary quiz.
9. The students of S5 EEE department secured second prize for project competition at Christ College of Engineering, Irinjalakkda on 16.10.2024.
10. The students participated in the rocket modelling competition conducted in connection with Space Week and dept of ECE won the first position.

National Education Awards were distributed for the following cells, IESCE

1. Nurturing employability and Entrepreneur ship in Education- Best IEDC
2. Best NSS Unit of the year

XI. Placements

Placement Details:

| Sl.No | Description | No. of Students |
|-------|---|-----------------|
| 1 | Students placed | 79 |
| 2 | Companies participated the placements (on campus) | 20 |
| 3 | On campus placements by Companies | 06 |
| 4 | Placements in the company premises | 03 |
| 5 | Placements Through Virtual mode | 11 |

Note: The students placed in an average salary package of Rs.300,000 p. a

XII. Sports

The Annual Sports Meet 2024-25 was conducted from 2nd April 2025 to 5th April 2025. Total 27 events were conducted (Boys' section-14 and girls' section 13) in this meet. Mr. P.K. Mohammed, Senior Vice President inaugurated the meet. The Academic Chairman, Mr. Mohammed Ali K P was the Chief Guest and Principal Dr. S Brilly Sangeetha delivered the presidential address. The meet came to an end by 4.30 pm. Vice President, Mr. Mohammed Rafeek P C and General Secretary, Mr. Abdul Rasheed K P gave away the trophies to the winners.

| | |
|--|----------------|
| Boys Section Winners | EEE Department |
| Runners | ME department |
| Individual Champion: Edwin Joy of S8 EEE | |
| Girls Section winners | EEE Department |
| Runners | CSE Department |
| Individual Champion: Faiha K, S8 CE and Aparna A, S4 CSE shared the position. | |

XIII. NSS activities

| SL NO. | DATE | EVENTS |
|---------------------------|--------------------------|---|
| <u>JULY 2024</u> | | |
| 1. | 20/07/2024 to 21/07/2024 | Our NSS Unit had hosted a university level National Integration Selection Camp at IES College of Engineering. Two of our volunteers - Agnimithran (S5 CE - Rank 1) and Athulya (S5 EC - Rank 8) has selected with ranks to represent Kerala in the NSS National Integration Camp. |
| <u>AUGUST 2024</u> | | |
| 2 | 05/08/2024 | A food distribution campaign was conducted at Amala Hospital Thrissur as part of remembrance of our student Sanjay (EC 2020 batch). |
| 3 | 06/08/2024 | Our NSS Unit 186 volunteer Agnimithran (S5 CE) has participated in the National Integration Camp to represent Kerala at Sri Mahaveer College, Kodangallu, Karnataka from 06/08/2024 to 12/08/2024. |
| 4. | 13/08/2024 | A pledge campaign against drugs was conducted at IES College of Engineering for our volunteers as part of Nasha Mukta Bharat Abhiyaan. |
| 5 | 14/08/2024 | As part of Independence Day celebrations, a poster making competition was conducted by the NSS Unit 186. |

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| 6 | 15/08/2024 | The Indian Flag was hoisted at IES College of Engineering by the management members as part of Independence Day. Felicitations was done by the management members, our principal and NSS programme officer. |
| 7 | 15/08/2024 | NSS Unit 186 volunteers visited the Old age home at Parappur regarding Independence Day celebrations. |
| 8 | 26/08/2024 | A Digi Kerala first base survey for the Local Self Government Department (LSGD) was done by our NSS Unit 186 volunteers at Adat Panchayath Office. |
| 9 | 28/08/2024 | A scrap collection campaign regarding the fund collection to support Wayanad under NRPF flagship program of APJKTU NSS Cell was conducted by our NSS Unit volunteers. |
| 10 | 29/08/2024 | The Digi Kerala first base survey for the Local Self Government Department (LSGD) was completed by our NSS Unit 186 volunteers at Adat Panchayath Office. |
| 11. | 30/08/2024 | A food distribution campaign under KTU CARE flagship program of APJAKTU NSS Cell was conducted at Amala Hospital Thrissur by our NSS Unit. |
| <u>SEPTEMBER 2024</u> | | |
| 12. | 01/09/2024 | In a remarkable effort, 50 dedicated NSS Unit 186 volunteers successfully encouraged 250 individuals to register as blood donors under crimson blood donation registration program. |
| 13. | 05/09/2024 | Teachers' Day celebration was conducted by our NSS Unit Volunteers. The volunteers presented gifts to all teachers of IESCE. |
| 14. | 06/09/2024 | A food distribution campaign under KTU CARE flagship program of APJAKTU NSS Cell was conducted at Amala Hospital Thrissur by our NSS Unit. |
| 15. | 12/09/2024 | A food distribution was done at Santhinikethan Old Age Home, Chittilappilly as part of Onam Celebrations. |
| 16. | 24/09/2024 | NSS Day was celebrated at IES College of Engineering. Principal hosted the NSS flag. The Programme Officer addressed the volunteers regarding the NSS and duties and responsibilities of a NSS Volunteer. |
| 17. | 24/09/2024 | A cleaning campaign was done by the NSS Unit 186 volunteers at Thrissur Railway Station regarding SWACHHATA HE SEVA 2024 campaign. |
| 18. | 24/09/2024 | NSS Unit 186 presents charts focusing on waste management, cleanliness and a sustainable living at Thrissur Railway Station. |
| <u>OCTOBER 2024</u> | | |

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| 19. | 01/10/2024 | A poster making competition was conducted by the NSS Unit 186 regarding World Blood Donor Day. |
| 20. | 01/10/2024 | The premises of chavakkad beach was cleaned by our NSS Unit volunteers regarding the SWATCHH SAGAR campaign of our Indian Government. |
| 21. | 02/10/2024 | The NSS Unit 186 was awarded 3 rd prize for wall art competition conducted by the Rudhirasena Flagship program, Thrissur Palakkad Region of APJAKTU NSS Cell. |
| 22. | 02/10/2024 | On Gandhi Jayanthi, NSS Unit 186 in association with Adatt Grama Panjayath successfully completed the SWATCHHATHA HI SEVA program by cleaning Muthuvara center, Thrissur. |
| 23. | 09/10/2024 | NSS Unit 186 volunteers participated in the walkathon 2024 at Thekke Gopuranada, Thrissur in support of Wayanad. |
| 24. | 13/10/2024 | Our NSS Unit 186 volunteer Athulya Nandakumar (S5 EC) has participated in the National Integration Camp to represent Kerala at Pong Dam Centre, Manali, Himachal Pradesh from 13/10/2024 to 24/10/2024. |
| 25 | 14/10/2024 | Blood Donation Camp was successfully conducted at IES College of Engineering in association with General Hospital, Thrissur. |
| 26 | 18/10/2024 | A food distribution campaign under KTU CARE flagship program of APJAKTU NSS Cell was conducted at Amala Hospital Thrissur by our NSS Unit. |
| 27 | 31/10/2024 | Honoring the legacy of Sardar Vallabhai Patel, the NSS Unit 186 celebrated National Unity Day with a pledge to uphold the unity, integrity and security of our nation. |
| 28 | 31/10/2024 | A scrap collection campaign regarding the fund collection to support Wayanad under NRPF flagship program of APJKTU NSS Cell was conducted by our NSS Unit volunteers. |

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| 29. | 14/11/2024 | On Children's Day, our NSS Unit 186 from IES College of Engineering visited a Anganwadi Chittilappilly. We spent a joyful morning with the children, singing, playing and distributing sweets and gifts. |
| 30. | 26/11/2024 | On National Constitution Day, our NSS Unit 186 from IES College of Engineering, organized an awareness programme to commemorate the adoption of the Indian Constitution. We reaffirmed our commitment to upholding the values and principles enshrined in the Constitution. |
| 31 | 26/11/2024 | Our NSS Unit 186 from IES College of Engineering, conducted a Blood Donation Awareness Class, educating students about the importance of blood donation and its life-saving impact. We encouraged volunteers to come forward and donate blood, helping to create a culture of social responsibility. |
| DECEMBER 2024 | | |

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| 32 | 01/12/2024 | On World AIDS Day, our NSS Unit 186 from IES College of Engineering, organized an awareness programme to educate students about HIV/AIDS, promoting prevention, support, and solidarity for those affected. |
| 33 | 10/12/2024 | On Human Rights Day, our NSS Unit 186 from IES College of Engineering, organized an awareness programme to promote and protect human rights, emphasizing equality, justice, and dignity for all. |
| 34 | 14/12/2024 | Our NSS Unit 186 welcomed junior volunteers with an engaging Ice Breaking Session, aimed at building camaraderie, encouraging participation, and setting the tone for a year of meaningful community service. |
| 35 | 14/12/2024 | On National Energy Conservation Day, our NSS Unit 186 from IES College of Engineering, organized an awareness programme to promote energy-saving practices, reduce carbon footprint, and inspire a sustainable future. |
| 36 | 17/12/2024 | Our NSS Unit 186 from IES College of Engineering, hosted an informative Orientation Programme led by Sijo George, introducing students to the National Service Scheme's mission, objectives, and community service initiatives. |
| 37. | 25/12/2024 to 31/12/2024 | We conducted our 7-day NSS Camp from 25th December to 31st December at Mullassery. |
| 38 | 12/01/2025 | We celebrated National Youth Day 2025 with great enthusiasm, commemorating the birth anniversary of Swami Vivekananda. Our NSS Unit 186 organized a series of inspiring events, sparking a renewed sense of purpose and responsibility among our youth. |
| 39 | 20/01/2025 | As part of our NSS activities, we visited a local orphanage, spending quality time with the children and engaging in various fun-filled activities. We distributed gifts, clothes, and essentials, bringing smiles to their faces and warmth to their hearts. |
| 40 | 23/01/2025 | We organized an Early Medical and Cancer Detection Camp, providing free health check-ups and cancer screenings to the community. Our NSS volunteers assisted medical professionals in conducting the camp, promoting early detection and timely treatment, and spreading awareness about healthy lifestyles. |
| 41. | 23/01/2025 to 25/01/2025 | Our NSS Unit 186 conducted a survey on Harithamitram App. |
| 42 | 24/01/2025 | We observed National Girl Child Day, reaffirming our commitment to empowering and supporting the girl child. Our NSS Unit organized awareness programs, rallies, and interactive sessions, promoting gender equality, education, and rights of the girl child. |
| 43. | 26/01/2025 | Our NSS Unit 186 proudly celebrated India's 76th Republic Day on January 26, 2025, with patriotic fervor. We organized a grand celebration, hoisting the national flag, singing the national anthem, and paying tribute to the adoption of the Indian Constitution, reaffirming our commitment to the nation's values and ideals. |
| 44. | 26/01/2025 | Shalbin Benny, Regional Coordinator of the Energy Cell for the Thrissur region and a sixth-semester Computer Science student, successfully delivered a session as part of the Energy Cell Awareness Program at Vidya Academy of Science and Technology. |

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| 45 | 29/01/2025 | Our NSS Unit 186 conducted a Road Safety Awareness programme |
| 46 | 31/01/2025 | Our NSS Unit 186 organized a Flash Mob under Rudhirasena Flagship program. |
| <u>FEBRUARY 2025</u> | | |
| 47 | 04/02/2025 | NSS Unit 186 proudly conducted a Free Eye Checkup Camp on February 4, 2025. |
| 48 | 07/02/2025 | NSS Unit 186 joined hands for the Malinya Muktham Nava Keralam cleaning drive at Adat Grama Panchayat, proving that small efforts lead to big changes |
| 49 | 25/02/2025 | A blood donation camp was conducted at IES College of Engineering in association with Thrissur Medical College, with a total of 70 registrations and 50 successful donations. |
| <u>MARCH 2025</u> | | |
| 50 | 07/03/2025 | A Women's Day self-defense program was conducted in association with the IES Women Cell Jwala on 07/03/2025 at the EEE Seminar Hall, with resource persons Shij P.B. (Assistant Sub inspector of Police) and Ms. Sheeja I.A. (Senior CPO) leading the session. |
| 51 | 07/03/2025 | A Poster making competition was conducted in association with the IES Women Cell Jwala on 07/03/2025. |
| 52 | 13/03/2025 | An awareness class on the Protection of Children from Sexual Offences (POCSO) Act was conducted at IES College of Engineering in association with the Thrissur District Legal Services Authority (DLSA) as part of the SADGAMAYA program. The session was inaugurated by Smt. Saritha Raveendran, Civil Judge (Senior Division) and Secretary, DLSA Thrissur. The awareness class was led by Adv. Dustin Jo, Panel Advocate, DLSA. |
| 53 | 29/03/2025 | The Thrissur District-Level "Swachhata Hi Seva" Mass Cleaning Drive was conducted at Vilangan Hills, Thrissur on 29th March 2025 at 10:00 a.m. , promoting cleanliness and environmental responsibility among the public. |
| <u>APRIL 2025</u> | | |
| 54 | 28.04.2025 | NSS Unit 186, IES College of Engineering was honored with a prestigious award and a certificate of appreciation by Dr. R. Bindu, Honorable Minister for Higher Education and Social Justice , on April 28 2025, during the key handover ceremony held at Irinjalakuda Municipality. This recognition was awarded for our active participation in the "SNEHAKOOD" house construction project. |
| <u>MAY 2025</u> | | |
| 55 | 13.05.2025 | A Dengue Awareness program was conducted in association with the Amala Medical College at the EEE Seminar Hall, with resource persons Mr. Mohammed Rafi M (Entomologist). |
| 56. | 15.05.2025 | Our NSS Unit 186 volunteers Agnimitran and Ardra Nandan of (S6 CE) have made us proud by winning First and Second prizes in the Dengue Fever Awareness Competition held by Amala Medical College. |

| | | JUNE 2025 |
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| 57 | 03.06.2025 | As part of school reopening celebrations, NSS Unit 186 proudly donated school kits to our little Anganwadi stars. |
| 58 | 04.06.2025 | Our NSS Unit 186 volunteer Ardra K P (S6 EC) has been honored with Best Unit Coordinator Award in Thrissur – Palakkad region for her remarkable contribution to Rudhirasena, the Flagship blood donation campaign. |
| 59 | 04.06.2025 | Our NSS Unit 186 participated and received Third prize in the state level Wall Art Competition conducted by Rudhirasena, the Flagship blood donation campaign of APJAKTU NSS Cell. |
| 60 | 04.06.2025 | Our NSS Unit 186 volunteer Sarin (S6 EEE) has received special appreciation from APJAKTU NSS Cell as part of Rudhirasena flagship program recognized for his exceptional dedication in organizing blood donation camps and finding blood donors in emergencies. |
| 61 | 05.06.2025 | On behalf of World Environment Day, NSS Unit 186 conducted a tree sapling drive and led a powerful green march Adatt Panchayat to IES College. |
| 62 | 12.06.2025 | NSS Unit 186 conducted a farewell party for the NSS 2022-2024 batch (2021-2025 B.Tech batch) |

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