

ANNUAL REPORT
ACADEMIC YEAR 2021-22

IES COLLEGE OF ENGINEERING

ANNUAL REPORT- 2021-22

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IES COLLEGE OF ENGINEERING

ANNUAL REPORT 2021-22

I. Academics

The schedule of classes as per University

Sl. No	Course	Date of classes started	Date of classes ended	Mode
1	B.Tech S1	22.11.2021	09.03.2022	Offline
2	B.Tech S3	15.11.2021	28.02.2022	Offline
3	B.Tech S5	18.11.2021	28.02.2022	Offline
4	B.Tech S7	27.09.2021	12.01.2022	Started Online classes and from 25.10.2021 offline classes
5	M.Tech S1	29.11.2021	09.03.2022	offline
6	M.Tech S3	15.11.2021	28.02.2022	Offline

1. The MoU with Linways Software, Ernakulam has been renewed with additions as per requirement of academic and office needs.
2. An online farewell party was conducted for S8 students (2021 passed out batch) on 17.07.2021 by CE,EEE & ME departments.
3. Onam was celebrated on 19.08.2021 through online in department wise. Various competitions were conducted and prizes were distributed to winners.
4. PTA meetings conducted on the following months through online mode except for the month of February 2021.

Batch	Date
2020	February, August & September
2019	August & September
2018	May & August
2017	February & May

5. The Bridge course was started from 22.10.2021 for first year B.Tech students.
6. Remedial classes for S7 were started from 30.10.2021.
7. The remaining KTU exams (S4 B.Tech Regular & Supplementary) were conducted from 01.11.2021 to 19.11.2021.

8. The first sessional exams for S7 classes conducted from 08.11.2021 to 15.11.2021.
9. Farewell for B.Tech S8 students (passed out batch) was conducted on 06.11.2021 for CSE & ECE and on 20.11.2021 for CE,EEE & ME branches by the present final year students.
10. The KTU internal audit was conducted on 05.11.2021 & 06.11.2021.
11. There was an Orientation Programme for 1st year B.Tech and M.Tech students and their parents on 22.11.2021. Mr. Arun K Vijayan, IAS ,District Development Commissioner, Thrissur was the Chief Guest and Adv. Phijo Joseph form Legal Luminary delivered a motivational speech to students.
12. A yoga session also was conducted for first year students by Yogaguru Mr.Vijayan on 24.11.2021 as part of induction programme according to the instruction of KTU.
13. The college will be closed for Christmas Vacation on 24.12.2021 and will be resuming on 03.01.2022.
14. The college reopened on 03.01.2022 after Christmas vacation. The offline classes were stopped for all semesters from 24.01.2022 due to covid-19 pandemic situation and conducted online classes up to 15.02.2022. The offline classes resumed from 16.02.2022.

1) The students strength 2021-22 including 2022 batch admission:

Dept	S1 2022 Batch	S3 2020 Batch	S5 2019 Batch	S72018 Batch	Total
CE	25	38	50	48	161
CSE	56	60	50	44	210
ECE	20	33	32	26	111
EEE	18	46	31	26	121
ME	9	36	40	24	109
B.Tech (Total)	128	213	203	168	712
M.Tech					
M.Tech Geo Technical Engg	11	10			
M.Tech VLSI Design	11	16			
M.Tech CSE	9	18			
	31	44			75
M.Tech (Total)				Grand Total	787

15. The schedule of University exams conducted and also going on :

Course	Date
B.Tech S5	13.01.2022 to 04.02.2022
B.Tech S3	01.02.200 to 16.02.2022
B.Tech S4 (Honours)	29.01.2022
B.Tech S7(2018 batch)	09.02.2022 to 25.02.2022
B.Tech S7(Honours)	02.03.2022
M.Tech S3	11.03.2022 to 14.03.2022
M.Tech S1	23.03.2022 to 01.04.2022
B.Tech S5 (2019)	16.03.2022 to 23.04.2022
B.Tech S3(2020, 2019)	18.03.2022 to 13.04.2022
B.TechS1(2021,2020,2019	23.03.2022 to 12.04.2022
B.Tech S3 (Minor)	19.04.2022
B.Tech S4 (Minor)	18.04.2022
B.Tech S5 (Honours)	23.04.2022

16. The schedule of Sessional Exams conducted :

Course	Sessional Test 1	Sessional Test II
B.Tech S7	08.11.2021 to 15.11.2021	03.01.2022 to 10.01.2022
B.Tech S5	17.01.2022 to 24.01.2022	21.02.2022 to 25.02.2022
B.Tech S3	17.01.2022 to 24.01.2022	21.02.2022 to 25.02.2022
B.Tech S1	17.01.2022 to 24.01.2022	21.02.2022 to 25.02.2022
M.Tech S3	11.01.2022 to 12.01.2022	21.02.2022 to 25.02.2022
M.Tech S1	11.01.2022 to 18.01.2022	21.02.2022 to 25.02.2022

17. Principal met all the parents of S7 students one by one during the month of December 2021 & January 2022. The PTA meeting for B.Tech S1, S3 & S5 were conducted in the month of February and March 2022 by the departments.
18. Remedial classes were conducted for S7 from 15.01.2022 before supplementary examinations.
19. The KTU internal audit was conducted on 10th, 13th, 17th & 20th January in all departments.
20. The file works updation for NAAC accreditation renewal process is going on in all departments.
21. Our institution has received the Recognition as Host Institute (HI) for implementation of the Incubation component under MSME Innovative Scheme (MSME Champion scheme).

22. As per the revised academic calendar of KTU, the even semester exams got over by 24.09.2022. The schedule of odd semester classes is given below as per the new academic calendar 2022-23.

The schedule of classes

Sl.No	Course	Date of classes started	Classes ending date
1	B.Tech S3	12.09.2022	21.12.2022
2	B.Tech S5	19.09.2022	07.01.2023
3	B.Tech S7	13.09.2022	23.12.2022
4	M.Tech S3	16.08.2022	30.11.2022

The schedule of University exams conducted during these period:

Course	Date
S2 M.Tech	25.07.2022 to 13.08.2022
S6 B.Tech	12.08.2022 to 17.09.2022
S4 B.Tech	26.08.2022 to 24.09.2022
S2 B.Tech	11.08.2022 to 30.08.2022

The PTA Meeting of the even semester was conducted as per the following schedule.

SI No	Semester Branch &	Date
1	S2 All Branches	30.06.2022
2	S4 & S6 CE	07.07.2022
3	S4 & S46CSE	04.07.2022
4	S4 & S6 ECE	04.07.2022
5	S4 & S6 EEE	01.07.2022
6	S4 & S6 ME	30.06.2022

RESULT ANALYSIS OF B.TECH S1(2021 Batch)

Branch	Pass %
CE	20
CSE	34
ECE	21
EEE	28
ME	13
27%	

RESULT ANALYSIS OF B.TECH S5 (2019 Batch)

Branch	Pass %
CE	42
CSE	59.18
ECE	37.50
EEE	25.81
ME	17.50
38.12 %	

RESULT OF B.TECH S8 (2018 Batch)

Branch	Pass %
CE	31.91
CSE	37.21
ECE	38.46
EEE	15.39
ME	13.04
52.76%	

RESULT ANALYSIS OF B.TECH S2 (2019 Batch)

Branch	Pass %
CE	87
SE	75.5
ECE	93.75
EEE	83.87
ME	77.5
82.84%	

RESULT ANALYSIS OF B.TECH S5 (2018 Batch)

Branch	Pass %
CE	39.13
CSE	45.45
ECE	38.46
EEE	0
ME	11.11
30%	

RESULT ANALYSIS OF B.TECH S7 (2017 Batch)

Branch	Pass %
CE	29.17
CSE	69.23
ECE	28.57
EEE	13.33
ME	27.5
38.46 %	

RESULT ANALYSIS OF B.TECH S8 (2017 Batch)

Branch	Pass %
CE	87.50
CSE	94.87
ECE	85.71
EEE	66.66
ME	76.08
81.48 %	

23. Final year M.Tech project reports were uploaded on 08.07.2022.
24. M.Tech Project evaluation for CE, CSE and ECE were conducted in the month of July 2022.
25. Conducted sessional test II for B.Tech S2, S4 & S6 from July 20 to 22 and for M.Tech S2 from July 11 to 15th 2022.
26. The external lab exams of B.Tech S6 were conducted in the month of September 2022.
27. All staff meetings were conducted on 08.07.2022, 11.08.2022 and on 01.09.2022.
28. All eligible faculty and staff members were allotted Vacation Leave (VL) in slots in the month of August 2022.
29. As Dr. G Kiruthiga, HoD CSE received KTU guideship, our PG CSE students can do research in their subject under her guidance.

Resigned Staff:

Dr.S Kamalakannan, HoD CE, Ms. Ashly Joseph, Ms.Gayathri & Ms.Jitha M R , Ms. Glynez Joseph, Ms. Anjali Baby, Ms. Rambha K R, Ms.Poojalakshmi, Assistant Professors in CE dept, Ms.Aishwrya Mohan , Ms.Anju A P & Ms.Safna K M , Ms.Neethu S Kumar, , Ms.Miji Raju, Ms.Mithu Varghese and Ms.Sabira Kareem, Assistant Professors in CSE dept, Ms.Jithu, Lab Instructor in CSE department, Ms.Lubna ,& Mr.Gregorious Jose C, Asst.Professors in ECE dept, Ms.Amruthalakshmy, Lab Instructor in ECE dept , Mr.Vidhun M, Ms.Farzana, Assistant Professors in EEE dept, Mr. Bibin Varghese, Mr.Shillin K S & Mr.Joseph George Assistant Professors in ME dept and Mr.Sarvan P P , HoD ME resigned from the institution.

Newly joined Staff:

Ms.Anu George, Ms. Poojalakshmi & Ms.Rambha K R, Ms. Sruthi Chandran and Ms.Athira Reghunandan, Assistant Professors joined in CE Department, Ms.Anju AP and Ms. Saabira Kareem joined. Mr.Sugan J, AP CSE & System Administrator, Ms. Dini Davis, Ms. Reeny Zacharias, , Assistant Professors in CSE Department, Ms. Neethu V Kumar, Ms.Linny Sunny joined as Asst Professors in CSE dept, Ms.Sowmya P C, Ms.Rizwana Latheef joined as Asst Professors in ECE Dept, and Ms.Amruthalakshmi joined as Lab Instructor in ECE dept. Ms.Jithu ,Lab Instructor in CSE dept rejoined. Ms. Simitha who was working in ECE dept as Lab Instructor is promoted as AP in EEE department. Mr.Naveen T P, Mr. Rahul Rajmohan and Mr.Haris Thomas joined as Assistant Professors in ME dept. Shima Jose joined in S & H dept as Assistant Professor.

The examinations conducted from March 2021 to September 2021.

Sl No.	Semester	Nature	Starting date	End date	Mode of Exam
5	S1B.Tech (R/S 2019)	University Examination	16.07.2021	30.07.2021	offline
6	S1/S2 B.Tech (S2015)	University Examination	16.07.2021	13.08.2021	offline

7	S1M.Tech(R2019)	University Examination	09.07.2021	22.07.2021	offline
8	S6 B.Tech (R/S)	University Examination	10.08.2021	08.09.2021	offline
9	S7B.Tech(S2015)	University Examination	18.08.2021	15.09.2021	offline
10	S8B.Tech(S 2015)	University Examination	10.09.2021	20.09.2021	offline
11	S1B.Tech(R 2019)	Model Examination	22.03.2021	26.03.2021	offline
12	S6 & S8 B.Tech	Sessional Test II	01.06.2021	07.06.2021	online
13	S2,S4 B.Tech & S2M.Tech	Sessional Test I	21.06.2021	30.06.2021	online
14	S8B.Tech(R2015)	University Examination	28.08.2021	07.09.2021	online
15	S1&S3 B.Tech	University Examination	24.05.2021		online
16	T5MBA-other college exam	University Examination	12.07.2021	22.07.2021	Offline
17	S4MCA-other college exam	University Examination	02.08.2021	12.08.2021	offline
18	S8B.Arch-other college exam	University Examination	03.08.2021	18.08.2021	offline

List of faculty members doing Ph.D

Sl.No	Name of Faculty	Department	University
1	Ms.Anju E M	CE	Karpagam University
2	Ms P.A Shemitha	CSE	Noorul Isla m Centre for Higher Education
3	Ms.Jency V Babu	CSE	Noorul Isla m Centre for Higher Education
4	Ms.Rachana M K	ECE	Vel Tech University,Chennai
5	Ms.Sindhu T V	ECE	Vel Tech University,Chennai
6	Ms.Linu Babu	ECE	Vel Tech University,Chennai
7	Mr.Sarvan P P	ME	Noorul Isla m Centre for Higher Education
8	Ms.Padmapriya.V.K	Mathematics	Avinashilingam Uniersity
9	Ms.Ameera.R.A	Economics	Avinashilingam Uniersity
10	Ms.Dhanya.K	Physics	Avinashilingam University

II. National Conference (NCGCE-'21)

National conference on innovations and challenges in geotechnical Engineering and computer science (VLSI) was conducted on June 2nd 2021 which aims to provide platforms for students, research scholar, academicians to come together and share ideas and experiences in the field of Civil Engineering, Computer science Engineering, Electrical and electronics Engineering Electronics Engineering, Mechanical Engineering. Our students (B.Tech and M.Tech) and the

students from other states also presented their papers and published journals. Jovial Joe (CSE Btech), Mohammed Hadi, Abhilash Xavier (ME Btech), Anina P (CE Mtech) got Best paper award.

III. Activities & Achievements of Principal (attached)

IV. Co curricular Activities (Staff)

1. All faculties and students participated in the webinar organized by IESCE on the topic "National Education Policy" in association with IIC.
2. All faculties attended NPTEL awareness online workshop in association with arts, science and commerce college Mannad Mahrastra on 05.08.202.
3. HoD CSE received a patent titled as "An artificial intelligence enabled cryptography based financial analytical tool" in the field of physics on 13.08.2021.
4. HoD CSE received KTU guideship for the guidance of Ph.D candidates.
5. Ashly George of M.Tech ECE achieved O grade in all subjects for S2M.Tech University examinations.
6. All faculty members attended a 5 days FDP on "Innovation Incubation & Research Challenges in INDIA" organized by Department of ECE in association with IIC, IETE and IEDC.
7. The college has been granted certificate for establishment of IETE (The Institution of Electronics and Communication Engineers) Student's forum under the aegis of ECE department. Ms.Sindhu T V, AP in the dept is the in charge for the same.
8. Mr.Seemon S & Ms.Shamna Abdulla, Assistant Professors in CE dept attended the 5 days Faculty Development Programme from 22.08.2022 to 26.08.2022 on "Sustainable Development in Transportation Geotechnics" organised by Department of Civil Engineering, SCMS School of Engineering & Technology, Karukutty.
9. Three Day workshop on Total Station Survey was conducted from 18.08.2022 to 20.08.2022 for B.Tech S6 students.
10. Ms.Steffy Maria Simon, AP in CE dept attended 5 days FDP at College of Engineering, Kidangoor on "Environmental Issues in Societal development from 22.08.2022 to 26.08.2022.
11. Dr.G Kiruthiga, HoD CSE has been selected as reviewer in Tech Science Journals in July 2022.
12. Dr.G Kiruthiga, CSE HoD has been appointed as one of the examiners for adjudicating the Ph.D thesis for a candidate in Bharathiyar University.

13. Ms.Hrudya K P, AP in CSE dept participated in the project expo held at Seethi Sahib Memorial School, Edakkazhiyoor along with S6 CSE students 25.07.2022.
14. Ms.Santhi P, AP CSE participated in Faculty Development Programme on optimization Techniques in Machine Learning and applications conducted by Dept of CSE, Chandigarh University on 01.08.2022
15. Dr.G.Kiruthiga, HoD CSE has attended Online short term course on "Artificial Intelligence Machine Learning and Deep Learning conducted by the Dept of CSE, NIT Warangal in association with CCE from 22.08.2022 to 26.08.2022.
16. Dr.G.Kiruthiga(CSE/HOD) has published the textbook entitled " Big Data Analytics" in Scientific International Publishing House(SIPH) on 20.09.2022.
17. Students from ECE dept went to Sree Durga Vilasom School, Peramangalam for project expo on 09.08.2022 and displayed their mini project models. Mr.Ajeesh S, AP ECE was the in charge for the same.
18. Ms.Sindhu T V. AP in ECE attended a 5 days FDP form 22.08.2022 to 26.08.2022. on "Advances in Wireless Communication 5G and beyond G Networks" organised by department of ECE, SCMS School of Engineering and Technology, Karukutty.
19. A new committee of department association, TECSA was formed on 26.09.2022 in ECE dept and the new faculty in charge is Ms.Aksa David.
20. Students of S3 and S5 CSE, ECE & EEE participated in the induction programme conducted by Inmakes Infotech in our campus on 27.09.2022 and for S7 it was on 28.09.2022.
21. Dr.John Chembukavu, HoD EEE got selected for the Global Iconic Education Award 2022 on 17.07.2022.
22. Dr.John Chembukkavu, HoD EEE and Ms.Simitha K M, AP EEE participated in IP awareness/Training programme under National Intellectual Property Awareness Mission on 20.07.2022.
23. Dr.John Chembukkavu, HoD EEE, Ms.Negma Iqbal, AP EEE and Aswathy Vidyasagar, AP EEE published papers "HDVC interconnection with SMES Device foe PV and Wind Hybrid Power Transmission System' in IJRASET on 22.07.2022.
24. Students of S4 and S6 EEE attended 10 days online training on Arduino microcontroller programming by MC Technologies from 04.07.2022 to 15.07.2022 which was coordinated by Mr.Aneesh S, AP EEE.
25. Ms.Anitha Mathew, AP in EEE dept published a book chapter "Recent Developments in Schottky Diodes and their applications" in Emerging low power Semi-Conductor Devices on 26.07.2022.
26. Students from all departments except ME went to Sree Durga Vilasom School, Peramangalam for project expo on 09.08.2022 and displayed their mini project models. Dr.John Chembukkavu, HoD EEE and Mr.Aneesh S, AP in EEE dept were the coordinators for the same.

27. Dr. John C, HoD EEE has successfully completed teach forward: Best strategies for hybrid, remote, and blended learning from Microsoft on 13.08.2022.
28. Dr. John C, HoD EEE, Ms. Aswathy Vidyasagar and Ms. Negma Iqbal, Asst. Professors in EEE dept successfully completed a six days FDP on Emerging Trends in Power, Energy and Control conducted by Muthoot Institute of Science & Technology, Cochin started from 22.08.2022.
29. Harikrishnan T B, Edison Varghese, Angio James and Shabir Ibrahim, students of S5 EEE have started doing the updations of e-cycle project from 12.09.2022.
29. S3 EEE students formed a team for electrical maintenance work under the guidance of Dr. John Chembukkavu, HoD EEE on 26.09.2022.
30. Alumni meet of 2008-12 batch of EEE dept was conducted on 13.08.2022.
31. A Golden Eagle was made from scrap of ME workshop by S6 students for their dept logo (ARME) and it is placed in the Reception area of Main Block on 13.07.2022.
32. Appreciation certificates were given to Mechanical engineering students who won various tournaments in football by Mechanical association (ARME) on 22.07.2022.
33. Hrithik Maroky, student of S5 ME dept has completed 4 nos of online certification programmes in Chatbox or Smart Assistant Development, Wireless technologies for IOT, CAD and 3D printing and also Mobile app development as part of the CISCO thing Qbator programme on 27.08.2022.
34. Mr. Rakul A Ravi, AP in ME dept participated in a three days KTU sponsored FDP on Research Methodology conducted by SIMAT, Palakkad from 26.08.2022 to 28.08.2022.
35. Dr. Rahul S. Arackal, HoD in Charge ME submitted a research work as conference paper in Fluid Mechanics and Fluid Power Conference (FMFP 22) on 28.09.2022

V. Co-Curricular Activities (Students)

1. Ms. Sahina V.M of S4 CE received certificate for attending 7-days online internship in AUTO-CAD CIVIL organized by Goldmine Global Delivery Services.
2. All students had participated orientation programme on overseas education webinar by Santa-monica study abroad pvt.ltd
3. S4 students had participated mega monsoon internship fair launched by Internshala on 14.07.2021.CE.
4. S8 students had attended a webinar on how to explore job and migration opportunities on 24.07.2021.
5. Farewell party of final year students were conducted via google meet on 17.07.2021.CE
6. All students participated V-GUARD- Big tech design idea 2021 contest for engineering and design students on 03.09.2021.

7. All students had participated orientation programme on overseas education . webinar by Santa-Monica study abroad pvt.ltd on 11.09.2021.
8. All students participated webinar on career opportunities in electric vehicles industry by ASAP Kerala in association with automotive research association of India on 20.09.2021.
9. Mr. Novin Davis, Mr. Adhithyan MR, Mr. Affin Joshy and Ms. Poojitha PR of S4 Mechanical has attended a webinar on the topic Shaping Young Minds Programme conducted by All India Management Association in collaborations with its local Management Associations . Mr. Sunil Kant Munjal, Chairman, Hero Enterprise & Past President AIMA, Mr. Piyush Pandey, Chief Creative Officer Worldwide and Executive Chairman India, Ogilvy and Mr. TV Mohandas Pai - Chairman Manipal Global Education Services Private limited and Past President AIMA were the speakers of the session on 25.08.2021.
10. Mr. Midhun VM of S4 Mechanical participated in RASHTRAGAAN an initiative by the ministry of culture to mark Azadi ka amrit Mahotsav on 15.08.2021.
11. Mr. Novin Davis, Mr. Adhithyan MR, Mr. Affin Joshy and Ms. Poojitha PR of S4 Mechanical attended a webinar on the topic Shaping Young Minds Programme conducted by All India Management Association in collaborations with its local Management Associations . Mr. Sunil Kant Munjal, Chairman, Hero Enterprise & Past President AIMA, Mr. Piyush Pandey, Chief Creative Officer Worldwide and Executive Chairman India, Ogilvy and Mr. TV Mohandas Pai - Chairman Manipal Global Education Services Private limited and Past President AIMA were the speakers of the session.
12. Mr. Fasalu Rahiman of S6 Mechanical has participated in the event organized by IEEE SB GECT in association with Infusor on 04.09.2021.
13. Students of S4 and S6 Mechanical attended 15 days 3D printing online internship in association with Green Orbis Consultancy Pvt Ltd on 09.09.2021.
14. Mr. Amal Krishna of S4 Mechanical has successfully completed an online non credit course " Philosophy and Sciences: Introduction to philosophy of physical sciences authorized by The University of Edinburgh and offered through courseera on 22.09.2021.
15. Mr. Midhun VM of S4 Mechanical has successfully completed 7 day Frontend with react & Deployment bootcamp with ShapeAI 23.09.2021.
16. All S2 CS students participated a webinar on Introduction to data science with hands on programming in python organized by CSE department in association with CSI IES student Chapter on 19.06.2021.
17. S6 CSE students completed Google ACE Program on 12.07.2021.
18. Mr. Midhun VM of S4 Mechanical has successfully completed 7 day Javascript & Backend with Node JS bootcamp with ShapeAI in collaboration with Developer Student clubs on 07.07.2021.

19. Mr. Midhun VM of S4 Mechanical has successfully completed 7 day Javascript & Backend with Node JS bootcamp with ShapeAI in collaboration with CDC Ranchi on 13.07.2021.
20. Mr. Novin Davis, Mr. Adhithyan MR, Mr. Affin Joshy and Ms. Poojitha PR of S4 Mechanical has attended a webinar on the topic Shaping Young Minds Programme conducted by All India Management Association in collaborations with its local Management Associations on 25.08.2021. Mr. Sunil Kant Munjal, Chairman, Hero Enterprise & Past President AIMA, Mr. Piyush Pandey, Chief Creative Officer Worldwide and Executive Chairman India, Ogilvy and Mr. TV Mohandas Pai - Chairman Manipal Global Education Services Private limited and Past President AIMA were the speakers of the session.

VI. Extra Curricular Activities

1. An anti-ragging awareness programme was conducted on 07.12.2021 for S3 & S5 students as it is mandatory. The resource person was Adv. Sojan Job from District Legal Services Authority, Thrissur.
2. KSEB officers Association conducted a quiz programme called "Power Quiz 2021" for the students. Abin Benny from S4 EEE and Vasudev Kannan from S2EEE were awarded 1st prize and second prize respectively.
3. A ceremony of LED bulb distribution was conducted by EEE department on 08.11.2021 at Thrissur District Collectorate by handing over to District Collector.
4. Kerala Start Up Mission (KSUM) conducted a Demo day for young innovators called Kerala Innovators' Technology Expo (KITE) from 22.11.2021 to 26.11.2021. The products from CSE; EEE & ME depts were selected for the Demo day.
5. Mr. Nikhil M Murali was invited for a talk on "Access Denied" at Govt. Women's Polytechnic, Thrissur on 14.11.2021.
6. One day Industrial visit was conducted for all S7 students except EEE. CE dept visited a construction site - Creators constructions and Idukki, CSE branch visited Torch Infotech, Kochi & Vagamon, EC dept went to Goldchain Equipment workshop, Palakkad and Nelliampathy and ME students had visited Boat Yard, Maliankara.
7. We have received 3 star rating for our college by Institution Innovation Cell (IIC) for the annual performance. Mr. Ajeesh S, AP ECE is the Nodal Officer for IIC.
8. S5 ME students repaired one 2 stroke petrol engine in our Thermal lab.
9. The students and lab staff of ME department repaired the terrace gate of Main Block.
10. Mechanical students with the help of Lab staff made a Christmas star with metal steel under the mechanism of radial reciprocating.

11. IEDC Induction programme was conducted on 08.11.2021. The resource person was Mr. Sonu J S, CEO of Starting Trouble, winner of Kerala State Energy Conservation Award 2020.
12. A webinar on "Types of IPR and its benefits" was conducted on 11.12.2021 under the banner of IIC. Dr. Krishnaprasad K, Research Coordinator, College of Computer Science, Srinivas University, Mangaluru, Karnataka. Mr. Ajeesh S, AP ECE & Mr. Prabhavathi Prabhakaran, AP S & H were the coordinators of the programme.
13. A Career Development Programme was conducted by EC dept on 14.12.2021 & 15.12.2021. The resource persons were Mr. Alex Mathew, Regional Manager, T-Horizon, Kochi and Mr. Nitheesh Kurian IEDC Nodal officer, RSET.
14. A technical career awareness programme was conducted on 21.12.2021 at EEE dept. Mr. Akhilesh Kumar C, Managing Director of MTTC International LLP was the speaker.
15. Departments Association inaugurations were conducted by CE, CSE and EEE. For CE dept, Ms. Salini P K, Project Engineer, Kerala Land Development Corporation (KLDC) was the chief guest.
21. Kerala Piravi was celebrated on 01.11.2021 by the students.
22. Our students participate in a programme at Amrutha TV "Fun upon a time" on 25.11.2021.
23. One of our students, Sreelekshmi from CE dept won the prize for Article writing Competition conducted by ICCS College of Engineering & Management, Muppliyam.
24. The Freshers' day & Christmas celebration of students were conducted on 18.12.2021. Freshers' day was conducted department wise in the morning session. In the afternoon, there was Singarimelam by professionals from outside.
25. Staff day and Christmas celebration of staff was conducted on 23.12.2021.
26. CESA (Computer Engineering Students Association) handed over necessary provisions for food to Pope John Paul Peace Home as part of charity activities.
27. The Women's day was celebrated on 08.03.2022 at IES Auditorium which was organised by the Women Empowerment cell, JWALA of the college. A Zumba training session was conducted by Ms. Roma Mansoor, famous Zumba Trainer. Students and faculty members participated in the programme.
28. Farewell party for the final year students (2018 batch) was conducted on 23.07.2022. It was conducted in a good manner and both students and staff enjoyed the party very well.
29. Students from all departments participated in the Project Expo conducted at Seethi Sahib Memorial Vocational Higher Secondary School, Edakkazhiyur. The students of IESCE displayed their various projects in the expo.
30. 3 Students of CSE, ECE & ME participated in shaping your minds programme organised by All India Management Association in collaboration with its Local Management Association (LMA), Thrissur on 26.08.2022. Ms. Prabhavathy Prabhakaran, AP in S & H dept and

coordinator of Students' Chapter of TMA also participated in this programme.

31. Onam celebration for staff was conducted on 31.08.2022. All faculty and staff members actively participated in Pookkalam competition, Malayalathanima, Uriyadi etc. A common programme of Thiruvathira was also there by the female faculty and staff members from all departments. The Management was present for all programmes and the prize distribution was done by them.
32. Students' Onam celebration was conducted on 03.09.2022 for all departments. Various competitions like, pookkalam Competition, Eating Competition, Tug of War, Uriyadi, Music Chair, Sack run, Lemon Spoon race and fashion show were conducted. Thiruvathirakkali also was conducted on this day. . Two common programmes of Kavadi and Sinkarimelam also were conducted on this day. Onam Sadya was arranged and conducted department wise. Students from Mechanical dept gifted onakkodi to our housekeeping staff.

VII. Extra Curricular Activities - IEDC (Students)

Sl. No.	Date	Event	Remarks
1.	5/01/2022	Motivational program in association with S&H	For first year students (Offline program)
2.	08/1/2022 09//1/2022 & 16/1/2022	IEDC Core team selection process	S3 & S5 students (Online)
3	6/02/2022	IIC Mentoring and Orientation session for mentee institute	For Nodal officer, Assistant Nodal officer and student Executives (online) Hosted by the mentoring Institute MCET Trivandrum
4.	12/02/2022	YIP Idea Marathon	10 students & 2 Faculty
5.	20/02/2022	Allumer - IEDC Idea contest -in association with IEEE- First level screening	Students who have registered(Online)
6.	05/03/2022	IEDC Summit at SJCET , Palai Organized by KSUM	19 students & 2 Faculty (Offline)
7.	11/03/2022	Allumer- Final Round	Students who have been selected through first level screening(Online)

32 teams of students have registered for YIP (Youth Innovation Programme (YIP) under K-Disc under the guidance of Mr.Ajeesh S ,AP ECE & IEDC Coordinator.

VIII. Training & Placements

1. Tech Triangle Training for S7 students - Aptitude, Technical and communication was conducted during the year.
2. Business English Communication- (BEC course) for S5 BEC started from 30.11.2021 and got over by 18.12.2021.
3. More than 50% of the students have received offer letters from various companies. Achievers' day was celebrated on 07.03.2022 which was named as "Zenith-22"- Phase I to distribute these offer letters to them and also the S5 students who have completed Business English Communication- (BEC course) were awarded with course completion certificates. Mr.Y Parameswara Menon, the Chairman of BEC was present. The Chief Guest was Shri.Sufiyan Ahmed, IAS, Asst. Collector, Thrissur. Ms.Dimpal Bhal, Big Boss fame was the special guest of the day. The parents of the placed students of final year were present for the programme.
4. Total 61 students got placements in companies and a total of 87 offer letters received. The Number of students placed in various companies is given below:

Company	CE	CSE	ECE	EEE	ME
TCS	0	6	0	0	0
Hexaware	0	1	1	0	0
Skillvertex	0	8	12	7	0
Pentagon	0	5	4	4	2
Sutherland	1	1	2	2	4
CSS CORP	0	3	3	0	1
Unilogics	0	1	3	2	0
Technologies	0	1	1	0	0
ExtraMark	0	2	2	0	0
Palle technologies	0	0	2	0	0
3rd Eye	0	0	0	5	0
Sun Ray Solar solutions	0	0	0	1	0
TOTAL (87)	1	28	30	21	7

S/N	DATE	ACTIVITY	COMPANY	REMARKS
1	29.9.2022	Plcement Proposal	TENZOTECH	The drive is meant for 2023 pass out batch
2	22.9.2022	Awareness session on abroad study	Trinity College ,Dublin	Meant for higher studies in Ireland for 2023 PASS OUT
3	14.09.2022	Placement drive	Hexaware	For 2023 pass out CSE and ECE
4	12.09.2022	Proposal for Placement Drive	Pentagon Space	for final year students of all branches ie 2023 pass out
5	02.09.2022	Off campus by Architect builders and construction	arranged by Fijos	initiated for 2022 civil students .Arya Mohan from Civil 2022 selected
6	29.08.2022	Off campus by Ambalath Builders	arranged by Fijos	for 2022 pass out . Civil students
7	19.08.2022	Pool Campus Drive	IBM	This is for 2023 pass out CSE Girls
8	22.08.2022	off campus drive	Jala Homes /Fijos	meant for 2022 civil students
9	18.08.2022	off campus drive	Nirmal designers/Fijos	meant for 2022 civil students
10	31.07.2022	Off campus drive	IBS	For 2023 pass out CSE and ECE students data base of eligible has been sent
11	20.07.2022	Off campus drive	TCS	The data base for registered students have been shared to company
12	07.07.2022	On campus drive	Hi LITE Builders	3 students got selection in the drive conducted in our college

5. A MoU has been signed with Inmakes Infotech Private Ltd, Cochin. Internship offer letters were distributed to 156 students (S3, S5 & S7) in various companies.
6. Zenith Phase II programme (Achievers' day was conducted on 02.07.2022 at IES auditorium. Mr.Aadhithya R IPS, City Police Commissioner was the Chief Guest.
7. Convocation Ceremony was successfully conducted in a grand manner on 17.09.2022 for 2015, 2016, 2017 and 2018 batches of B.Tech & M.Tech students. Dr.Shalij P R, Dean Research was the Chief Guest of the programme. The Chief Guest, Representative from Management and Principal distributed the certificates to students. Parents also were present for the programme. Ms.Rachana M K; HoD ECE in Charge was the Overall Coordinator of the programme.
8. College Students'Union election of Class representatives was conducted on 29.09.2022 in all departments.

IX. NSS Activities

1. NSS UNIT 186 celebrated India's 75th Independence Day Virtually. The flag hoisting ceremony was officially Inaugurated by Principal of IES College of

Engineering, Dr. S. Brilly Sangeetha. Flag hoisting was done by IES Vice President Mr. Abdul Rasheed.

2. NSS UNIT conducted Quiz Competition and Patriotic Song Competition on Behalf of Independence Day. The Celebrations streamed through YouTube on the same day itself.
3. NSS UNIT 186 conducted a Blood Donation Camp on 18th August ,2021 in Association with IMA BLOOD BANK, Thrissur in co- ordination with Thejus College of Engineering. Around 20 Volunteer's participated in the camp.
4. NSS UNIT 186 of IES COLLEGE OF ENGINEERING celebrated Onam virtually on August 21, 2021 organizing Pookalam Competition. Both Traditional Pookalam and Hand Drawn Pookalam Design were conducted. All volunteers participated in the programme.
5. **1st Sept to 7th Sept 2021-Poshan Maah (Community)**

NSS UNIT 186 took initiative to organize *Poshan Maah* Programme under the direction of Ministry of Women and Child Development, Govt. of India from 1st sept to 7th sept. As a part of this program volunteers Planted Nutrition Garden (Poshan Vatika), in their nearby Anganwadi Centres.

6. The 73rd republic day was celebrated on January 26th 2022. Mr.KP Mohammed Ali, IES Director hoisted the Indian flag in front of the college. Principal, some faculty and staff members and our NSS volunteers were present on that day. All others could watch the programme through google meet.
7. Mr. Joseph George, NSS Programme Officer received a Letter of Appreciation on 25.02.2022 from Zonal Railway Users Consultative Committee (ZRUC) member Mr. Arun K L for the excellent team work of our NSS volunteers and for the continuous support to Thrissur Railway Station in the past years.
8. The campus Beautification session was done by the NSS unit members on 01.07.2022.
9. Blood donation camp was conducted on 05.07.2022 at EEE seminar hall in association with IMA. Total 52 students participated in the camp.
10. NSS students participated in Energy Management Kerala Rally on 22.07.2022 organised by NSS Unit.
11. 75th Independence day celebrations took place on 15.08.2022. Mr. M C Mohammed from MES Qatar hoisted the National Flag in front of the Main Block . General Secretary, Mr. Mohammed Rafeek P C also participated in the function. Management delegates and Principal delivered felicitation speech on this day. Our NSS students and all faculty and staff members were present for the celebrations. Students and staff of the college hoisted national flags in their houses as part of "Har Ghar Thiranga Campaign "of AICTE.
12. NSS students distributed Onakkodi to our security staff and Onam Sadya for poor people on 09.09.2022.
13. 2 NSS students participated Beach Cleaning Campaign-TSR-PKD Regional Level Programme on World Tourism day i.e 27.09.2022 in association with APJ KTU NSS CELL-NRPG coordinated by Vidya Academy of Science & Technology.

14. NSS students participated in cleaning works at Vilangan Kunnu on 27.09.2022.
15. NSS Unit 186 of our college conducted the inauguration of Electoral Literacy Club on 01.10.2022 at Room No.108. The programme was coordinated by Ms. Neethu Prabhakaran, AP in CSE dept. An awareness session was conducted by Mrs. Sreekala V K, Village Officer, Chittilappilly. The inaugural speech was delivered by Principal and felicitation was done by Mrs. Nisha Prabhakaran, Member, Ward No.2, Adat Grama Panchayath.
16. Two students of NSS Unit participated Pre-RD camp (Pre Republic day Camp) at Govt. Engineering College on 01.10.2022 and 02.10.2022.
17. Our students Volunteer Secretaries participated in the VS meet held at FISAT Engineering College, Angamaly on Oct 4th and 5th, 2022.
18. The NSS Unit distributed the study materials to the orphans of KMBH BANATH Orphanage, Thrithallore on 05.10.2022 (Viyayadasami Day).

X. Sports

1. The practice session of inter branch games in football, Volleyball, Shuttle Badminton, Chess, Cricket and Caroms started from 09.11.2021. A few more items are pending which will be conducted in January 2022.
2. Mr. Shihav S, S7 CE and Mr. Ashmith T M, S3 ECE will be representing APJ Abdul Kalam Technological University football team.
3. The college team practice session was started in November 2021. The remaining items in the practice session in football, Volleyball, Shuttle Badminton, Cricket and Table Tennis were conducted in the month of January 2022.
4. Mr. Shihav S of S7 Civil S7 is selected as Captain of K.T.U football team 2021-2022 academic year in the south zone inter university tournament held at M.G University, Kottayam from 6th to 12th January 2022. He also scored two hatricks from two matches and he scored total of eight goals for K.T.U in the tournaments.
5. Mr. Shaju K Paul, Phy. Edu. Director attended the fixture meeting conducted by KTU at Trivandrum on 24.02.2022.
6. College football team participated in the All Kerala Inter collegiate Five Football Tournament conducted on 06.07.2022 by Vidya Academy of Science & Technology and our team won the championship.
7. Adat Grama Panchayath Conducted "Champions of Adat Grama Panchayath" sixes football tournament and we won the Championship on 08.07.2022.
8. On 12.09.2022, Mr. Shaju K Paul, Phy. Edu. Director attended the fixture meeting held by KTU at Trivandrum.
9. On 29.09.2022, Mr. Shaju K Paul participated in the KTU E Zone fixture meeting held at NSS College of Engineering, Palakkad.

XI. NBA

College started NBA accreditation related works from the month of September and the working time of all faculty and staff members is extended upto 6.45 pm

on week days, Saturdays, Sundays and other holidays, they work from 9.30 am to 4 pm. The tentative date of expert visit is first week of December

Admission

Out of 300 seats 264 seats are filled up for 2022 batch. The classes started on 25.10.2022. The Orientation programme was conducted on 26.10.2022 in a grand manner at IES auditorium.

~~PRINCIPAL~~



IES COLLEGE OF ENGINEERING

Activities / Achievements by Principal

1. Published a book Chapter - Improved training pattern in back propagation neural networks using Holt –Winter’s Seasonal method and Gradient Boosting model in the book of “Applications of Machine Learning”- ISBN 978-981-15-3356-3, Springer .2019-20.
2. Published a book Chapter - Resource Management Framework Using Deep Neural Networks in the book “ Operationalizing Multi-Cloud Environments: Technologies, Tools and Use Cases”
3. Published a book Chapter - Neural Network based detection of hookworm for health care in the book “ innovations in life science research” ISBN 978-81-951323-6-2
4. Published a copyright -An artificial intelligence based system for wireless network with connectivity assistance. L-107189/2021
5. Performance analysis of a PC based harmonics power analyser for Electromagnetic compatibility test and measurement application – Accepted for publication by "International Journal of Scientific & Technology Research"
6. Smart campus 3.0 using Machine Learning, Artificial Intelligence and Blockchain technologies –Canadian copyright filed.
7. Machine learning method and system for solving a prediction problem- Indian copyright Filed.
8. Acted as resource person at srivenkateswara college for a webinar on topic Blockchain technology

Patents published

Sl.No	Patent Number	Title of the Patent	Country
1.	201941031693	Quality Healthcare and Reduced Healthcare Spending achieved through Artificial Intelligence and Big Data	India

2.	201941033012	A system and method of internet of things based intelligence greenhouse surviving system with cloud computing	India
3.	201941039638	Design of Bigdata and IOT systems in health care for remote patient monitoring in hospitals	India
4.	2020102825	A self-protection shoe to safeguard women against dangers	Australia
5.	202141009491	Solar Powered unmanned robot in army	India
6.	2021100737	Sustainable Development Goals achievements using AI	Australia
7.	202141015740	An embedded digital watermarking framework using deep learning network	India
8.	202141020144	Employee Performance Management Method and System	India
9.	202141026265	An intelligent secure and smart embedded ventilator system	India
10.	202141022930	IOT enabled smart and secure e campus	India
11.	202141020402	Lithium ion battery range and SOC prediction for electric vehicle	India
12.	202141029270	Quantization and training of object detection using low bit width convolution neural networks	India
13.	2021103317	A system for blockchain linked IoT based Railway Digital Display Reader (yet to publish)	Australia
14.	2021104074	A smart electromechanical standing ventilator for intensive care unit (yet to publish)	Australia