

COLLEGE OF ENGINEERING KIDANGOOR

ANNUAL REPORT (2021-22)

I. BRIEF HISTORY OF THE COLLEGE

Government of Kerala vide GO MS/136/2000 Higher Education dated 18/02/2000 accorded sanction for the establishment of the College of Engineering Kidangoor. The CUSAT issued No Objection Certificate for starting the colleges under the aegis of CAPE. AICTE issued the viability certificate for starting the college. College of Engineering Kidangoor was established during the year 2000-2001 & the institution was in the 21st year of functioning during 2021-22 with full-fledged facilities to run B. Tech courses in 5 disciplines & M. Tech in 1 disciplines.

Land and Location

The college campus extends over 25 acres of land situated at Kidangoor Panchayat, Meenachil Taluk, Kottayam District.

Board of Governors

Chairman	Dr.K.Gopakumar, Professor, Dept of Electronic Systems Engineering, Indian Institute of Science, Bangalore.
Members	<ul style="list-style-type: none">• Prof(Dr)T.K.SureshBabu, Professor, Mechanical Engineering, NIT, Calicut• Dr.A.K.Asraff, Group Director, Structural Dynamics &Analysis Group, LPSC Valiamala, Trivandrum.
Ex-officio	<ul style="list-style-type: none">• Dr. R. Sasikumar, Director CAPE, Member (Ex-officio)• Dr. Vrinda V Nair, Director SPFU, Member (Ex-officio)
Government nominee	<ul style="list-style-type: none">• Sri Rajesh P S, Addl.Secretary Co-operation Dept.,Govt. of Kerala• Sri. Ajayan C, Addl. Secretary , Higher Education Dept., Govt.of Kerala
University nominee	Dr.G.P.Padmakumar, Registrar KTU

AICTE nominee	Dr.Ramesh Unnikrishnan, Regional Officer & Director, AICTE-South Western Regional Office,Tvm.
Representatives(College)	<ul style="list-style-type: none"> • Dr. Rajeesh J, Professor,ECE, CEK, • Dr. Ojus Thomas Lee,Associate Professor, CSE, CEK
Member Secretary	Dr.B.V Mathew,Principal,CEK

College Council: (Details of Office bearers)

Chairman-Principal, 4 HODs, Librarian, faculty in charge, Physical Education, Mr. Joby James, Assistant Professor,ECE (Elected Member).

II. ACADEMIC ACTIVITIES

AICTE Approval

The approval of the College of Engineering Kidangoor was accorded by the AICTE as per Order No. F No.770-54-36/ET-NDEG/2000/V dated 28/07/2000 and Extension of approval (EOA) by F No South West/1-9319294031/2021/EOA dated 02/07/2021 for the academic year 2021-22.

University Recognition

Recognition to the College of Engineering Kidangoor was accorded by the CUSAT as per Order No. AC, C3/1088/2000/H. Edn dated18/08/2000

Recognition to the College of Engineering Kidangoor was accorded by the APJ Abdul Kalam Kerala Technological University (KTU) as per Order No. KTU/A/593/2015 dated15/05/2015. As per Order No. KTU/A/456/2015 dated 31/08/2021 for the academic year 2021-22, the KTU has been given Extension of approval of the academic year 2021- 22.

Government Sanction

Government accorded sanction for starting B. Tech Courses in 4 branches Electronics and Communication, Electronics and Instrumentation, Information Technology and Computer Science in 2000, B. Tech course in Electrical and Electronics branch in 2004, B. Tech course in Civil Engineering branch in 2010, B.Tech course in Electrical and Computer Engineering branch in 2021 and M. Tech courses in Wireless Technology in 2014.

Academic Programmes

The college offers 5 B. Tech and 1 M.Tech degree programmes

Sl. No.	Programmes	No.Of Seats Sanctioned	Head Of The Department
1.	B .Tech in Civil Engineering	60	Prof. Divya S Nair, Asst. Professor
2.	B Tech in Electrical &Electronics Engineering	30	Prof. Praseetha K, Asst. Professor
3.	B .Tech in Electronics &Communication Engineering	60	Prof. Syama R, Asst. Professor
4.	B Tech in Computer Science &Engineering	90	Prof. Jyothis Joseph, Asst. Professor
5.	B Tech in Electrical & Computer Engineering	30	Prof. Praseetha K, Asst. Professor
6.	M. Tech in Wireless Technology	12	Prof. Syama R, Asst. Professor

Working hours

Working hours for the academic programmes is from 9: 00 am to 4: 00 pm and for the administrative work is from 9.30 am to 4.30 pm.

Admission during the last 3 years

2018-19												
Branch	Sanctioned				NRI	Total Sanctioned	Admitted				NRI	Total Admitted
	Merit	Mgt	TFW	Reservation			Merit	Mgt	TFW	Reservation		
CE	36	19	0	2	3	60	39	1	0	0	3	43
CSE	36	19	0	2	3	60	35	5	0	0	3	43
ECE	36	19	0	2	3	60	17	1	0	0	1	19
EEE	36	19	0	2	3	60	22	0	0	0	0	22
EI	30	0	0	0	0	30	4	0	0	0	0	4
IT	30	0	0	0	0	30	3	0	0	0	0	3
2019-20												
	Sanctioned						Admitted					

Branch	Merit	Mgt	TFW	Reservation	NRI	Total Sanctioned	Merit	Mgt	TFW	Reservation	NRI	Total Admitted
CE	33	19	3	2	3	60	27	5	3	1	0	36
CSE	49	30	5	4	2	90	50	22	5	3	0	80
ECE	33	19	3	3	2	60	25	0	3	0	0	28
EEE	33	19	3	3	2	60	22	1	3	0	0	26
WT(PG)						18						6
CIS(PG)						18						2

2020-21

Branch	Sanctioned					Total Sanctioned	Admitted					Total Admitted
	Merit	Mgt	TFW	Reservation	NRI		Merit	Mgt	TFW	Reservation	NRI	
CE	39	14	3	1	3	60	34	-	-	1	2	37
CSE	58	21	5	2	4	90	64	23	-	2	4	93
ECE	39	14	3	1	3	60	27	-	-	-	1	28
EEE	39	14	3	1	3	60	22	-	-	-	3	25
WT(PG)						12						3
CIS(PG)						18						5

Total number of Students admitted in the current academic year 2021-22

Branch	Sanctioned				NRI	Total Sanctioned	Admitted				NRI	Total Admitted
	Merit	Mgt	TFW	Reservation			Merit	Mgt	Supernumerary	Reservation		
CE	42	1		1	3	60	22	0	2	0	3	27
CSE	63	2		2	4	90	60	21	12	1	4	98
ECE	42	1		1	3	60	10	0	0	0	0	10
EEE	21	7		1	1	30	6	0	0	0	0	6
EL	21	7		1	1	30	9	0	0	0	0	9
WT(PG)						12						5
CIS(PG)						18						0

Result Analysis

Year of Admission	Branch	Total Registered	Total Pass	Pass %
2015 Admission	CE	47	31	65.95
	CSE	42	23	54
	ECE	61	36	59.02
	EEE	12	4	33.33
	EI	35	15	42.86
	IT	29	9	31
	Total		226	118
2016 Admission	ECE	44	18	41
	CSE	45	25	55.5
	CE	64	31	48.4
	IT	18	8	44.4

	EEE	37	18	48.6	
	EI	22	9	40.9	
	Total	230	109	47.3	
2017 Admission					S8 Only
	ECE	30	17	60	87
	CSE	47	28	60	92
	CE	49	40	81.63	91
	IT	5	3	60	80
	EEE	30	11	36.67	73
	EI	12	3	25	66
	Total	173	102	58.95	82

Placement Status for the Current Academic year (2021- 22)

Placement officer: Mr. Syamesh K G, AP in ECE

Total Students Placed: 25

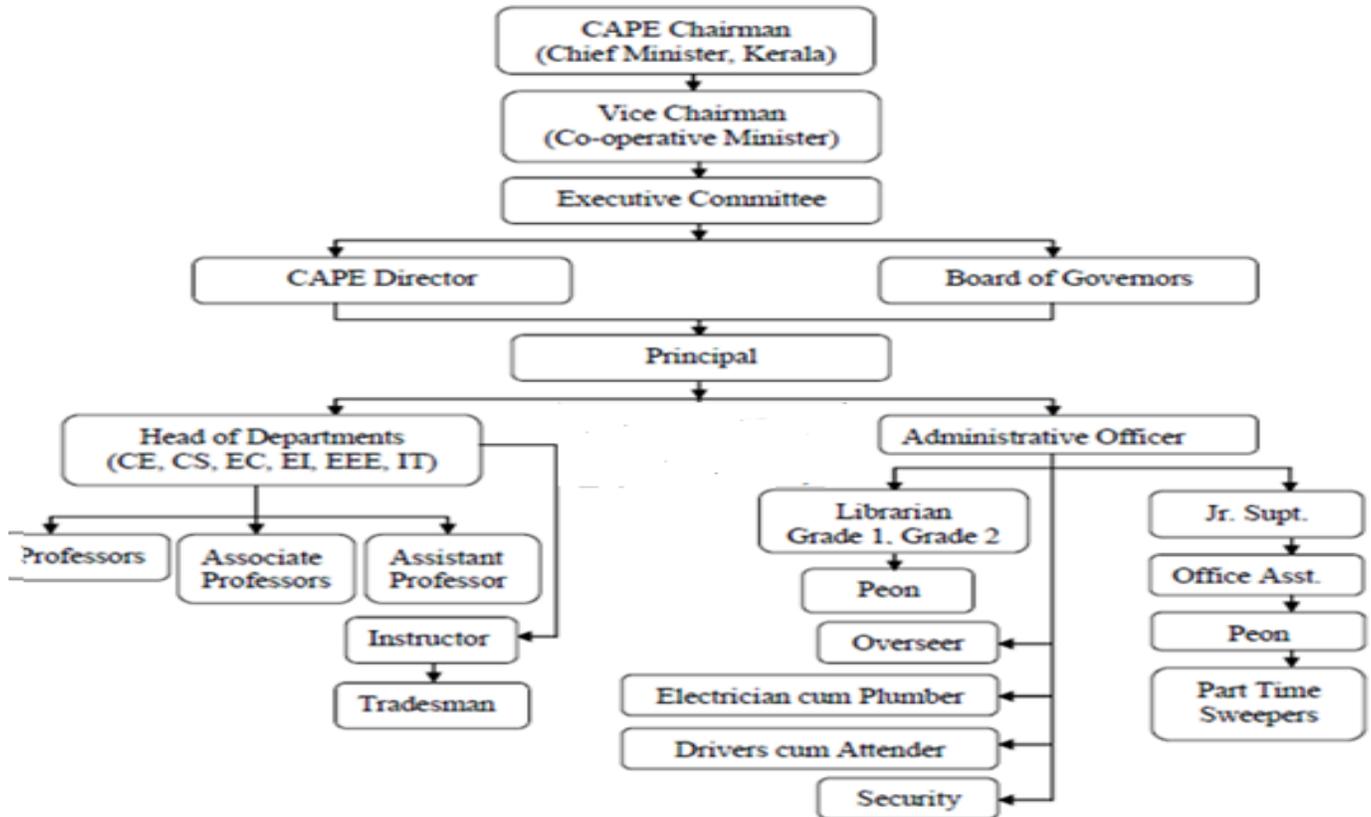
Total offers received: 36

SI No	Details Of Training	Duration	Trainer Details	No Of Students	Expense (Rs)
1	Aptitude training for S6 students (2022 batch)	7 days (07.04.21,10.04.21, 11.04.21,17.04.21, 18.04.21,24.04.21, 08.05.21)	FACE, Coimbatore	86	66080
2	FACE NINJA Training for S7 students (2022 batch)	4 days (24.08.21,25.08.21, 26.08.21,28.08.21)	FACE, Coimbatore	61	37760
3	FOP using CPP for S7 students (2022 batch)	4 days (25.11.21, 26.11.21, 04.12.21, 06.12.21)	FACE, Coimbatore	47	40120

List of companies visited: QUEST GLOBAL, GUIDEHOUSE, TCS, CAPGEMINI, WIPRO,INFOSYS,BYJUS, CTS, PENTAGON CSR, POORNAM.

III. Man-power

Structure of Organisation



New appointment details: Nil

Staff position as on 31-03-2022

Sl.No.	Post	Regular	Contract	Adhoc/ Daily wages	Apprentice Trainee	Total
	Total	65	3	28	5	101

IV. Facilities available

Library

Facilities available in the Library		
Library Area		900 M ²
Working Time		08.30 am to 05.30 pm
Sl.No.	Resources available	No. of Items available during the year 2021-2022
1	Books	25913
2	E-Journals	EBSCO Engineering Collection(2464 titles)
3	Printed Journals	60
4	Magazines	0
5	News Papers	6
6	ASCE	35 Journals

Laboratory facility

Sl. No.	Name of the Department	Name of Laboratory/Workshop	No. of experiments to be done using the facilities
1.	Computer Science / Information Technology	6 Labs	70
2.	Electronics & Communication Engineering	8 Labs	100
3.	Electrical & Electronics Engineering	9 Labs/1workshop	110
4.	Civil Engineering	9 Lab/ 1 Workshop	96
5.	Electronics and Instrumentation Engineering	5 labs/ 1Workshop	79

Hostel facilities Construction Completed.

Canteen Facility

Area	Seating Capacity	Fuel used(LPG,Firewood)
260 sq.meter	140	LPG and Firewood

Building and other infrastructure details

Building	Area	No. of class rooms	Status
Main Block	2487.00	Computer Centre, Office, Physics Lab Seminar Hall etc.	Completed
EC/EI Block	2109.00	EC/EI Class rooms, Labs & Staff room, Chemistry Lab (EI Block)	Completed
Electrical Block	11705.00	Electrical Class rooms, Labs & Staff room & DASH room	Completed
CS/IT Block	1705.00	CS/IT Class rooms, Labs & Staff room	Completed
Civil Block	2149.00	Civil Class rooms & Staff room	Completed
A Block	300.00	Mechanical workshop & Drawing hall	Completed
B Block	300.00	Canteen	Completed
C Block	300.00	Electrical workshop & Electrical machines lab	Completed
Library Block	1322.00	Library Block and Placement Cell	Completed
Hostel	2061.00	Construction Done, Need to Furnish	Completed

Sports facility

In the Main Block a 240square feet room is allotted for Physical Education purpose which is nearby the Co-Operative Store. The sports equipments are kept here and indoor games like caroms, Chess etc. are conducted there. Three badminton Courts are temporarily made in the auditorium and one Volley Ball court is made nearby the canteen. A mini ground is available to conduct sports and other games like cricket and football.

Co-operative Store

A centralised store is functioning in the administrative block. From this store, stationery items, Work register, Students Feed back form etc. supplies to all departments as and when they needed.

Transportation facility

For transportation to students PTA operated bus services (4 college owned buses) students are using this facility during contact classes and university exams.

Internet & Wi-fi facility

Internet facilities: 50 mbps; College is wi-fi enabled campus

Auditorium

Auditorium	Area	Seating Capacity
Plinth	907.07m ²	1000
Carpet	876.62 m ²	
Porch	66.20 m ²	

V. Co-curricular activities

Professional Bodies

a. IEEE

Programs conducted under IEEE SB CE Kidangoor during the academic year 2020-2021

Sl.No.	Program	Date	Venue	Members
1.	Zerone	28/01/2022 to 31/01/2022	Online	60
2	Novateur	22/02/2022 to 25/02/2022	Online	Students of CEK
3	WOMEN'S DAY QUIZ COMPETITION	07/03/2022	Online	67
4	Webinar On 'Clean Energy Revolution	09/02/2022	Online	350
5	A Quiz Competition On Power Electronics	25/06/2021	Online	Students of CEK

6	A Circuit Debugging Competition	26/06/2021 27/06/2021	&	Online	143
7	AGM And Inauguration	26/06/2022		Online	70
8	Pappadam	23/08/2021 25/08/2021	to	Online	34
9	Big Data And Analytics	28/09/2021 30/09/2021	to	Online	60

b. ASAP

Staff in Charge: **Muhammed Ameen P P, Assistant Professor in ECE**

1. College of Engineering Kidangoor - ASAP cell formed with principal as patron. Also selected two students as chairperson and treasure.
2. Conducted various orientation program for digital marketing and Business analytics in all branches.
3. Attended faculty development program for machine learning.
4. Students attended and placed various placement program conducted by ASAP.
5. Conducted various testing for the proper functionality of SDPK systems in ASAP room.

Consultancy Projects

Sl.No.	Name of Lab	Staff in charge	Work done	Project	Cost
1	Laboratory testing- SM Lab	Mr.Appu P	Cube Test	Kerala Water Authority, PWD	15,000/-
TOTAL					15,000

Research & Development activities

All the funding proposals from faculty and students are reviewed and scrutinized by this committee before sending to the concerned agencies. Number of CERD proposals submitted this year are EI - 1, EEE – 4 and ECE – 5, CSE – 2, CE - 4.

Centre for Continuing Education(CCE)

All consultancy work and online/offline external exams are conducted under CCE coordinated by Joby James AP/ ECE.

Staff Club

1. Organized a fund-raising campaign to donate for the treatment of Mr. Raghunathan who had worked a security staff in the college.
2. Organized Send-off function for Smt. Geethamma, the first regular staff retiring from CE Kidangoor on 30-07-2021
3. Sponsored Gift for House warming function of a staff in the college on 20-08-2021
4. Organized Christmas celebration in December 2021.
5. Organized Send-off function for the Principal, Dr. K.G.Viswanadhan on 03-03-2022
6. Sponsored sticker with college emblem for Car/Bike and distributed to all staff members of Ce Kidangoor
7. Sponsored and distributed new ID Card Tag with College emblem to all staff members.

College Development Committee

To plan and monitor various developmental activities of the college committee CDC is functioning under the chairmanship of Mons Joseph, MLA, Kaduthuruthy and Convener, Principal, College of Engineering, Kidangoor. Other members are Panchayat President, Ward Member, SI of Police, HODs and Student Union Chairman.

Anti-Ragging Committee

Convener

Dr Rajeesh J ,Professor ECE

Members

1. Thomas Maliyekkal, Member Grama panchayat
2. Siby Thomas, Circle Inspector
3. Yohannan P S - Vice President PTA
4. Prof. Vidya S Nair, HOD, CE
5. Vivek Raju, HOD, Applied Science

6. Prof. Jyothis Joseph, HOD, CS
7. Praseetha K, HOD, EEE
8. Praseetha K, HOD, EEE
9. Sudhin Satheesh, Reporter Dheshabimani.
10. Jayan KS, Member Care Unit

Grievance & Appeal Committee**Convener:**

Dr. K. S. Angel Viji
Associate Professor, CSE

Members:

1. Prof. Rekha K S, AP CSE
2. Prof. Haridas M S, AP EEE
3. Prof. Sreelakshmi, AP Maths

NPTEL Activities

CSE		ECE		CIVIL		EEE	
Faculty	Students	Faculty	Students	Faculty	Students	Faculty	Students
3	10	2	1	0	14	-	-

NSS activities- NSS CEK Unit no:607 organized many programs to improve the personality, knowledge and ability of volunteers. As part of labour day poster making competition and a webinar on telemedicine was conducted. Quiz, drawing, mehendi, poem writing, photography competitions were conducted as part of red cross day, mother's day, eid, telecommunication day, anti-terrorism day and biological diversity day. Vimukthi awareness program had been conducted for students to give awareness on no Tobacco. Online caption contest, craft making, quizzes, poster making, solo singing contest and an awareness webinar on 'Day Against Drug Abuse' had been conducted on June, 2021. An NSS orientation program had been conducted for newly joined NSS volunteers. As part of onam, NSS volunteers arranged a virtual onam celebration 'Aravam' and conducted onapattu, video making, article writing and JAM competitions. On August 15- Independence day, volunteers gathered for flag hoisting. All the volunteers successfully participated in 'Rashtragan'-an initiative by the ministry of culture to mark Azadi Ka Amrith

Mahotsav. NSS members was always ready to volunteer all the programs conducted on campus. On behalf of teachers day,an experience talk-one day program had been conducted. Three day creativity programs like craft making,mask making,bottle art, vegetable gardening had been conducted.One week reading challenge was done to improve knowledge and reading habit of all the volunteers.On October, volunteers participated in breast cancer awareness series. To spread awareness on world aids day, 'Mattam' -a series of events were conducted from November 24 to December 1. Three day programkalavara niraykkal was done as part of seven day camp. Seven day camp 'Mythri' had been conducted from December 27 to January 2.Programs of NSS CEK unit stands here...

Department Association activities

CSE (LANCE & SWIFT)	CIVIL	EEE (EMERGE)
Orientation Programme for First Year Students on the topic “Importance of Building Technical Skills”	As part of 'STHAPATHYA' Department of Civil Engineering was organised a webinar on CAREER OPENINGS FOR CIVIL ENGINEERS IN PUBLIC SECTOR. Inauguration of the activities of ' STHAPATHYA' & Logo Launch ceremony for the academic year 2021-22 was conducted on 11th June 2021. It was inaugurated by Principal Dr. K.G Viswanadhan.Chief guest of the programme was Er. Krishnan BTV,Retired Chief Engineer, Harbour Engineering Department.He delivered an interactive session on Professionalism.	Conducted “OPPORTUNITIES AFTER ENGINEERING THROUGH GATE EXAM” on 03/02/2022, “Basics of WIND ENERGY CONVERSION” on 03/02/2022, “A Workshop on "Embedded System Development with Arduino” on 20/12/2021, “Talk on EMS in Electric Vehicles” on 10/01/2022, “Power Quiz 2021 “ on 31/10/2021 .

PTA activities

Executive Committee Members are President-Dr. B V Mathew,Principal, Vice-President (P.S.Yohannan), Secretary (Vivek Raju), 4 faculty members and 4 parent members.

Important Activities carried out:

1 Being the renovation works in the college auditorium, which includes grill work, door and staircase and painting. An amount of

Rs. 4,95,522/ (Rupees Four lakh ninety-five thousand five hundred and twenty two) was spent.

2 The annual general body meeting of the P T A was held on 04/12/2021 at conference hall. Dr. K B Bijumon was elected as the vice president and Sri. K Babu, Smt Rajasri, Sri Abraham Kurian and Sri M N Pradeep as executive members.

3. Four college buses operated by P T A .

Alumini

Joby James (Staff in charge) - Convenor

Siju George - Member

Febin P.A. - Member

Kannan Suresh - Member

Deepu Abraham - Member

Arjun Raj - Member

Niju Jacob - Member

Chackochen Jose - Member

Incubation centre/ Entrepreneurship Development Centre (IEDC)

Programmes conducted

1. Conducted one workshop, two technical talk and 28 technical competitions.
2. Won 4 awards in the recently conducted IEDC summit on 5th march 2022.Our college became the first runner-up in state level among all IEDC'S.
3. Two students from our college also won awards. Milan Ninan from S3 CS got three awards- best IEDC EXECOM lead in state level, best performer in central region and best performer in kottayam district. Tuna job from S3 CSE won best performer in kottayam district award

Start-ups

Startup name: Asteroid, Tinch

MOU

MOU with Kidangoor Grama panchayat and KSEB (Solar Power System).

RECEIPT & EXPENDITURE

Revenu Receipt		Revenu Expenditure	
Particulars	Amount	Particulars	Amount
Tuition Fee	1511000	Administrtrive Expenses	277156
College Special fees	146000	Salries & Allowances	4630004
Admsision fees	500	Building	13304
Application fees	0	Eelctrical Installation	
Other receipts	41719	Others	1935
Total	1699219	Total	4922399

Capital Expenditure 2020-21

Land	
Machinary , Tools and Equipments	
Computer & Accessories	19650
Furinture & Fittings	
Library Books	
Total	19650

VII. UNIQUE ACHIEVEMENT DURING THE YEAR 2021-2022

Sl.No.	Achievements			
	CSE	ECE	Civil	EEE
1.	Provided a Technical Report for Changanassery Taluk	Two students CERD projects shortlisted.	FDPs attended- 12	One students CERD projects shortlisted.

	Co-op. Agricultural and Rural Development Bank Ltd, Karakachal for the purchase of Computers & Printers.			
2	Produced 1 PhD scholars by Dr. K. S Angel Viji	Expert Sessions conducted -2	FDP conducted-2	FDP Attended - 16
3	Dr. Ojus Thomas Lee Served as Reviewer of IEEE, International Conference on Communication Control and Information Sciences.	Three faculty are doing PhD	Expert sessions conducted-4	No.of Seminar conducted - 2
4	Expert Sessions-3	Dr. Silpa S Prasad completed PhD	STTP conducted-1	
5	FDP s attended- 11	FDP s attended- 10	Two faculty are doing PhD	
6	No.of Journal Publications – 20 No.of conference proceedings - 15	No.of Journal Publications – 3 No.of conference proceedings - 11	No.of Journal Publications – 3	
	conducted a National Conference on Novel & Challenging Issues and Recent Innovations in Engineering and		15 students of 2021 passout batch awarded B.Tech Degree with Honours	

	Information Sciences in July 2021			
	Three students got prizes from events		Aiswarya Madhupal of S8CE become the college topper of 2021 passout batch with CGPA- 9.79	
	Two faculty are doing PhD		3 students of 2021 passout batch was qualified for GATE	

VI. CONCLUSION

The annual report is prepared as per the direction and utmost care has been taken to maintain the facts in data. We are trying our best to improve the quality by proper planning and execution in the coming years. Hereby submitting the annual report for the academic year 2021-22.

Prepared by
 IQAC
 CE Kidangoor