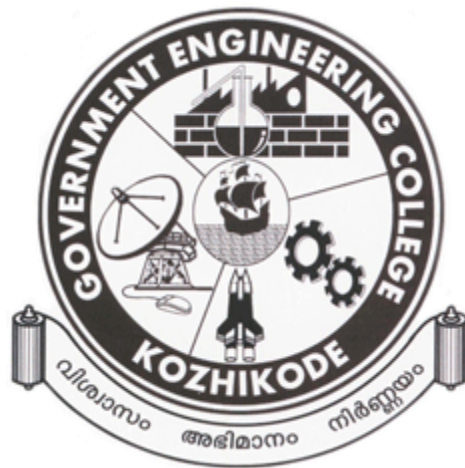


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GOVERNMENT ENGINEERING COLLEGE

KOZHIKODE

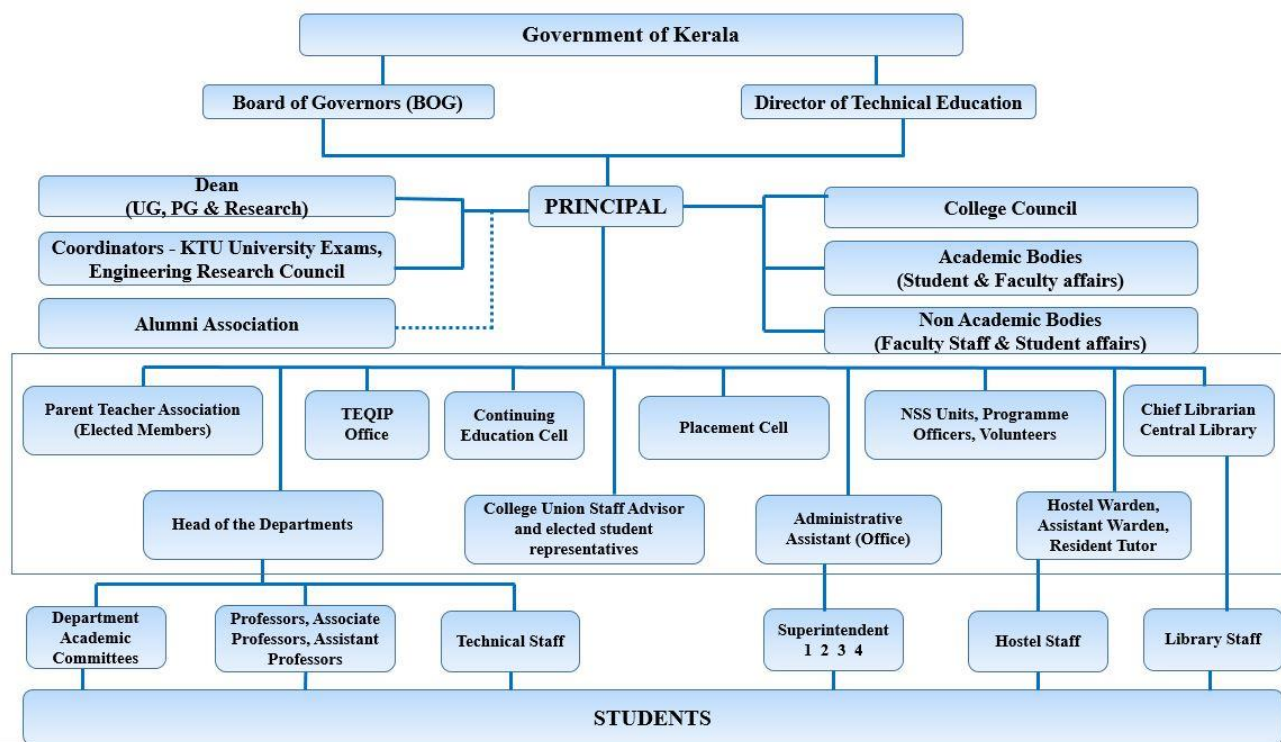


MANDATORY DISCLOSURE

1. Name of the Institution:	Government Engineering College Kozhikode West Hill PO, Kannur Road Kozhikode, Kerala State, Pin Code-673 005 Phone number with STD code – 0495 2383220 Email - principal@geckkd.ac.in Website - http://geckkd.ac.in
2. Name and address of the trust / Society / Company and the trustees:	Directorate of Technical Education - Govt. of Kerala Thiruvananthapuram, Kerala State, Pin Code-695023 Phone number with STD code – 0471 2561200 Email – info@dtেকerala.gov.in Website – http://dtেকerala.gov.in
3. Name of Principal:	Dr. Jasmin E A Phone number with STD code - 0495 2383220 Email - principal@geckkd.ac.in
4. Name of the affiliating University / Board:	APJ Abdul Kalam Technological University CET Campus, Thiruvananthapuram University Of Kerala, Senate House Campus, Palayam, Thiruvananthapuram –34 Website - www.ktu.edu.in

5. Governance

5.1 Organizational Chart



5.2 Grievance Redressal mechanism for Faculty, staff and students	Grievance of students as well as faculty, if any, can be reported to a dedicated committee constituted from the senior professors of the institute and remedial measures are taken by them within minimum duration.
5.3 Establishment of Anti Ragging Committee	Yes, The Anti-ragging Committee has been constituted in the college for the security of students and to inculcate the sense of humanism and equality among students. The Principal is the Ex-officio Chairman of the Committee. A senior faculty member, nominated by the Principal is the Convener of the Committee. The hostel wardens, PTA President and Secretary, two representatives from the Students Union, Sub-Inspector of Police of the local Police Station and an external Advocate Member are the members of the committee.
5.4 Establishment of Online Grievance Redressal Mechanism	Online complaints may be lodged after logging into the website: https://geckkd.etlab.in/grievance
5.5 Details of Grievance Redressal Committee in the Institution and OMBUDSMAN by the University	Yes, The College has a Grievance Cell in the college level. The Principal is the Ex-officio Chairman of the Grievance Cell. The cell comprises a Convener (a senior faculty member), four members nominated by the Principal among the staff members in the college, two representatives from the students union, the PTA vice-president and an external member.
5.6 Establishment of Internal Complaint Committee (ICC)	An Internal Complaints and Anti Sexual Harassment Committee exists with teaching as well as non-teaching faculties and students as members from the college. In addition, a practicing advocate of eminence is also a member of the committee.
5.7 Establishment of Committee for SC/ST	Yes
5.8 Internal Quality Assurance Cell	Yes
5.9 Equal Opportunity facilities Cell	

6. Programmes

6.1 Details of Programmes approved by AICTE

Course Name	No of Seats	Du rat ion	Cut off marks/rank of admission during the last years
UNDER GRADUATE			
APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING	60	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
CHEMICAL ENGINEERING	60	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
CIVIL ENGINEERING	60	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
MECHANICAL ENGINEERING	60	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
ELECTRONICS & COMMUNICATION ENGINEERING	60	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
COMPUTER SCIENCE AND DESIGN	60	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
ELECTRONICS & COMMUNICATION ENGINEERING	120	4	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
POST GRADUATE			
SIGNAL PROCESSING	18	2	As per government norms
COMPUTER AIDED PROCESS DESIGN	18	2	As per government norms
ENERGY SYSTEM ANALYSIS AN DESIGN	18	2	As per government norms
STRUCTURAL ENGINEERING	18	2	As per government norms

6.3 Fee (as approved by the state government)	As per government norms
6.4 Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details, if any.	N. A

7. Faculty Details:AE&I ENGINEERING

Name	Designation	Contact No.	Email address
Dr.Shajahan E S	Professor and HOD	9447894170	shajahanes@geckkd.ac.in
Dr.Agnes Jacob	Associate Professor	9961401823	agnes@geckkd.ac.in
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Prof.Saritha E	Assistant Professor	9847739112	sarithae@geckkd.ac.in
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Name	Designation	Contact No.	Email address
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Faculty Details:COMPUTER SCIENCE AND ENGINEERING

Name	Designation	Contact No.	Email address
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SHAJILA MAJEED	Assistant Professor (Adhoc)	9447045761	shajilafiroz@geckkd.ac.in
HRIDYA P R	Assistant Professor (Adhoc)	9400446952	hridya@geckkd.ac.in
NAHANA C	Assistant Professor (Adhoc)	7591924858	nahana@geckkd.ac.in

8 Profile of Principal

i. Name	Dr. JASMIN E A.
ii. Date of Birth	
iii. Unique ID	
iv. Education Qualifications	B.Tech (Electrical and Electronics Engineering), M.Tech(Power Systems) Ph.D, (Image Processing)
v. Work Experience	Twenty Eight years in academics in the area of Electrical and Electronics Engineering education both at degree, post graduate levels and PhD levels, and continued now. Approved PhD Research Guide in Electrical Engineering of University of Calicut and APJAKTU (Awarded 5, Guiding 4)
vi. Teaching/ Research/ Industry/ Others	
vii. Area of Specialization	Image Processing, Biomedical Applications, Embedded System Design
viii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	
ix. Research guidance (Number of Students)	
x. No. of papers published in National/International Journals/Conferences	14 International Journal papers , 17 International/National Conference papers and 5 Conferences
xi. Master	Yes

(Completed/Ongoing)	
xii. Ph.D. (Completed/Ongoing)	Yes
xiii. Projects Carried out	
xiv. Patents (Filed & Granted)	
xv. Technology Transfer	
xvi. Research Publications (No. of papers published in National/International Journals/Conferences)	14 International Journal papers , 17 International/National Conference papers and 5 Conferences
xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	

9	Fee				
<table border="1"> <tr> <td>i. No. of Fee waivers granted with amount and name of students</td> <td>As per the government norms</td> </tr> <tr> <td>ii. Number of scholarship offered by the Institution, duration and amount</td> <td>As per the government norms</td> </tr> </table>	i. No. of Fee waivers granted with amount and name of students	As per the government norms	ii. Number of scholarship offered by the Institution, duration and amount	As per the government norms	
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ii. Number of scholarship offered by the Institution, duration and amount	As per the government norms				

10 Admission							
<table border="1"> <tr> <td>i. Number of seats sanctioned with the year of approval</td> <td>As per the government norms</td> </tr> <tr> <td>ii. Number of Students admitted under various categories each year in the last three years</td> <td>As per the government norms</td> </tr> <tr> <td>iii. Number of applications received during last year for admission under Management Quota and number admitted</td> <td>N.A</td> </tr> </table>	i. Number of seats sanctioned with the year of approval	As per the government norms	ii. Number of Students admitted under various categories each year in the last three years	As per the government norms	iii. Number of applications received during last year for admission under Management Quota and number admitted	N.A	
i. Number of seats sanctioned with the year of approval	As per the government norms						
ii. Number of Students admitted under various categories each year in the last three years	As per the government norms						
iii. Number of applications received during last year for admission under Management Quota and number admitted	N.A						

11 Admission Procedure

i. Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)	Kerala Engineering Architecture Medical (KEAM) entrance test https://cee.kerala.gov.in/cee/index.php?url=in
ii. Number of seats allotted to different Test Qualified candidate separately (AIEEE//JEE/ CET (State conducted test/ University tests/ CMAT)/ Association conducted test etc.)	As per the government norms
iii. Calendar for admission against Management quota seats	N.A
iv. Last date of request for applications	As per the government norms
v. Last date of submission of applications	As per the government norms
vi. Dates for announcing final results	As per the government norms
vii. Release of admission list (main list and waiting list shall be announced on the same day)	As per the government norms
viii. Date for acceptance by the candidate (time given shall in no case be less than 15 days)	As per the government norms
ix. Last date for closing of admission & Starting of the Academic session	As per the government norms
xi. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	As per the government norms

i. Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	As per the government norms
ii. Mention the minimum Level of acceptance, if any	N.A
iii. Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years	https://cee.kerala.gov.in/keam2023/list/lastrank/last_rank_p5_provi.pdf
iv. Display marks scored in Test etc. and in aggregate for all candidates who were admitted	Refer the portal https://cee.kerala.gov.in/cee/index.php?url=in

12 Criteria and Weightages for Admission

13 List of Applicants

List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)

As per the government norms. <https://cee.kerala.gov.in/cee/index.php?url=in>

i. Composition of selection team for admission under Management Quota	N.A
ii. List of candidate who have been offered admission	N.A
iii. Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate	N.A

14 Results of Admission under Management seats/Vacant seats

xiii. List of Major Equipment/Facilities/ Experimental Setup in each Laboratory/Workshop including PG course

CIVIL ENGINEERING DEPARTMENT

Name of the Laboratory	Name of the Important equipment
Materials testing lab	UTM (1000kN capacity), CTM, Rockwell hardness, Compaction factor testing machine, Vicat apparatus, Accelerated curing tank, Reaction container, Flexural strength testing machine, Extensometer, Tile flexural testing machine, Impact testing machine, Torsion testing machine, Brinnel, Rockwell, hardness testing machine, Spring testing machine.
Geotechnical engineering lab	CBR testing machine, UCC testing machine, Consolidation testing machine, A direct Shear testing machine, Triaxial testing apparatus, Hydraulic extruder, Sand replacement method apparatus, Light compaction test apparatus, Heavy compaction test apparatus, Automatic soil compactor.
Transportation Engineering lab	Marshal stability, Abrasion testing machine,

	Ductility testing Machine, Viscometer, Penetrometer, Hot air oven, CBR Apparatus, Impact testing machine, Ring and ball apparatus, Flash and fire point, Compactor test apparatus, Crushing value apparatus, Centrifuge extractor, Specific gravity apparatus, Machine for Evaluating Roughness using Low-cost Instrumentation (1)
Surveying lab	Total Station, Electronic Theodolite, Auto level.
Computer lab	Desktops (70nos) AutoCAD, STAAD Pro, QGIS, Revit, ETABS, Primavera
Environmental Engineering lab	Conductivity/TDS meter, Nephelo/Turbidity meter, Flocculator, BOD incubator.

DEPARTMENT OF MECHANICAL ENGINEERING

Sl. No:	Lab/Workshop name	List of equipments/facilities
1	Manufacturing Technology Lab	<ol style="list-style-type: none"> 1. Vertical CNC Milling Machine 2. Electrical Discharge Machine 3. Tool and Cutter Grinder 4. Milling Tool Dynamometer 5. Lathe Tool Dynamometer 6. High Speed Lathe 7. Lathe 8. Broaching Machine 9. Milling Machine 10. Radial Drilling Machine 11. Shaper 12. Slotter 13. Muffle Furnace
2	Heat Engine Lab	<ol style="list-style-type: none"> 1. 2-STROKE SI ENGINE 2. 4-STROKE CI ENGINE 3. MULTI CYLINDER CI & SI ENGINES 4. 4S-SI ENGINE-VALVE TIMING 5. SI ENGINE-GENERATOR SET 6. VARIABLE COMPRESSION RATIO SI ENGINE

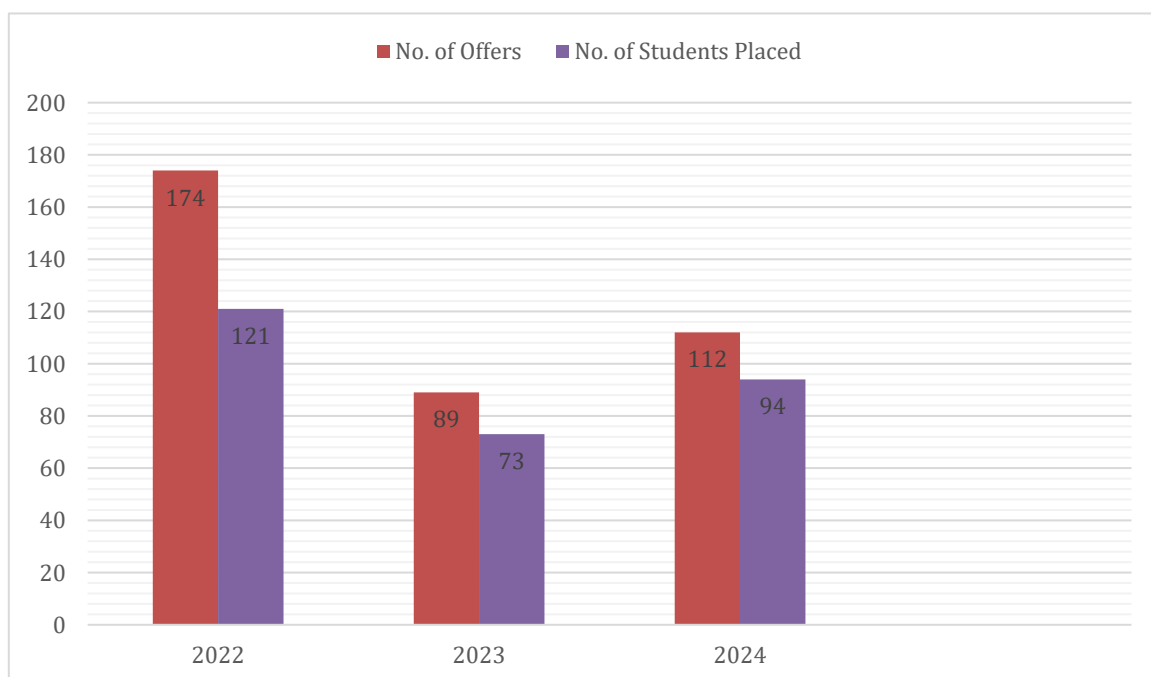
		<ul style="list-style-type: none"> 7. 2 STAGE RECIPROCATING COMPRESSOR 8. REFRIGERATION TEST RIG 9. HEAT PUMP TRAINER 10. AIR CONDITIONING TEST RIG 11. AXIAL FLOW COMPRESSOR 12. PC BASED IC ENGINE 13. VORTEX TUBE 14. 5 GAS EMISSION ANALYZES
3	Heat Transfer Lab	<ul style="list-style-type: none"> 1. NATURAL CONVECTION APPARATUS 2. FORCED CONVECTION APPARATUS 3. SOLAR WATER HEATER 4. STEFAN-BOLTZMANN APPARATUS 5. THERMAL CONDUCTIVITY APPARATUS 6. DROPWISE & FILMWISE CONDENSATION 7. BIOMASS GASIFIER 8. EMISSIVITY MEASUREMENT APPARATUS 9. PHOTOVOLTAIC CELL 10. CONCENTRIC TUBE HEAT
4	CAD Lab	<ul style="list-style-type: none"> 1. ANSYS 17.2 2. ANSYS 17.2 RESEARCH LICENCE 1 USER 3. CREO 2 4. LIBRE CAD 5. FLONIX 6. CYCLE TEMPO
5	FM Lab	<ul style="list-style-type: none"> 1. Orifice meter 2. Venturi meter 3. Triangular/ rectangular notch 4. Hydraulic coefficient of orifice 5. Pipe friction apparatus 6. Reciprocating pump 7. Pelton turbine 8. Francis turbine 9. Kaplan turbine 10. Gear pump 11. Minor pipe losses apparatus 12. Metacentric height apparatus 13. Multi- stage centrifugal pump 14. Bernoulli apparatus 15. hydraulic ram
6	Foundry / Mechanical Workshop	<ul style="list-style-type: none"> 1. Oil fired furnace
7	Fitting/ Mechanical Workshop	<ul style="list-style-type: none"> 1. Drilling Machine 2. Power Hacksaw
8	Welding / Mechanical Workshop	<ul style="list-style-type: none"> 1. MIG Welding Machine 2. TIG Welding Machine 3. Gas Welding Machine

		4. Arc Welding Machine 5. Plasma Cutting Machine 6. Cutting Machine
9	Carpentry / Mechanical Workshop	1. Bench Lathe 2. Circular Saw
10	Sheet Metal/ Mechanical Workshop	1. Bench Shear 2. Pipe Bending Machine
11	Smithy / Mechanical Workshop	1. Forge with Electric Blower
PG		
Sl.No	Title of the PG course	Laboratory facilities exclusive to the PG course
1	Energy systems analysis and design	CRDI engine with open ECU
		Pyrolysis equipment
		Solar photovoltaic cell characteristics test facility
		Biodiesel production facility
		Biodiesel property test facility
		Exhaust gas analyzer and smoke meter

DEPARTMENT OF CHEMICAL ENGINEERING		
LAB FACILITIES (GENERAL)		
Sl. No:	Lab/Workshop name	List of equipments/facilities
1	Chemical Technology and Environmental Engineering Lab	Hot air oven
		Exhaust fume hood
		Redwood viscometer
		Vacuum oven
		Muffle furnace
		COD digestor
		Pensky Martin Flash and fire point apparatus
2	Fluid and Particle Mechanics Lab	Bernoullis theorm apparatus
		Pitot tube
		Reynold's Apparatus
		Venturimeter
		Orifice meter
		Centrifugal pump test rig
		Fluidization column
3	Particle Technology Lab	Sieve shaker
		Ball mill
		Jaw crusher
		Cyclone seperator
		Hot air oven
		Leaf filter
4	Heat transfer Operations Lab	Forced convection
		Thermal conductivity
		Shell and tube heat exchanger
		Stefan Boltzman Apparatus
		Critical radius apparatus
		Natural convection
		Double pipe heat exchanger

5	Mass transfer Operations Lab	Surface evaporator
		Rotary dryer
		Simple distillation
		Sonicator
		Counter current leaching
6	Process Control Lab	Single tank system
		Two tank interacting system
		Two tank non interacting system
		Control valve characteristic trainer
		Pressure control trainer
7	Chemical Reaction Engineering Lab	UV photo reactor
		Isothermal PFR
		Isothermal CSTR
		RTD plug flow reactor
		RTD packed bed reactor
8	Process Simulation Lab	CHEMCAD suite
		ANSYS Academic research CFD Version:15.0, Unlimited nodes, 1 user perpetual,
9	Department Library	Chemical Engineering books == 1500 Nos
		Seminar and project reports
PG		
Sl.No	Title of the PG course	Laboratory facilities exclusive to the PG course
1	Research Lab	U V analysis spectrophotometer
		Fourier transform infrared spectroscopy
		Thermogravimetric Analyser
		High performance liquid chromatography
		GC-MS
		.Portable digital hydrometer
		Flue gas analyser
2	Project Lab	Atomic absorption spectrometer
		pH meter
		Millipore apparatus
		Bomb calorimeter
		Turbidity meter

16 Enrolment and placement details of students in the last 3 years



17 List of Research Projects/Consultancy Works

Sl No	Name of Faculty	Funding Agency	Amount Sanctioned	Duration	Project /Consultancy	Topic
1	Prof. Suma K	TEQIP -II	200000	2020-23	Research seed money	Pesticide removal from aqueous solution using biochar
2	Dr. Anjana R	DRDL, Hyderabad	9,00000	2019-22	Research Project	Estimation of heat of pyrolysis of Ablatives using thermal analysis
3	Dr. Manju M S	TEQIP-II	200000	2020-23	Research seed money	Degradation of endosulfan under visible light using Copper and Iron loaded nanoclays and hydrogen peroxide as photo –Fenton reagen
4	Prof. Adil Muhammed	TEQIP-II	200000	2020-23	Research seed money	Kinetic and mass transfer study of CO ₂ absorption in sodium hydroxide solution.
5	Dr.Ushakumary E R	AICTE	20,00,000	2019-22	MODROB	Modernisation of Research Lab of Chemical Engineering
6	Prof. Adil Muhammed	KTU-CERD	200000	2019-22	Research Seed money	Cost Effective Packed bed Column with Zinc oxide coated regenerated spent FCC

						catalyst system for water treatment
7	Dr.Ushakumary E R	CERD	50,000	2017-20	Research Seed money	Bio-ethanol production from agricultural waste
8	Prof.Manilal A M	CERD	200000	2016-19	Research seed money	Removal of oil from produced water/oil field waste using electrocoagulation/ electro oxidation
9	Prof.Haseena P V	CERD	200000	2016-19	Research Seed money	Wastewater treatment using adsorption techniques

Consultancy					
Sl. No.	Project title	Funding Agency	Year	Amount	Status of the work
1	Analyze polymer film sample	Miscellaneous	2022-23	2655	Completed
2	Analyze polymer film sample	Miscellaneous	2022-23	1770	Completed
3	Calorimeter iodine value	Miscellaneous	2022-23	855	Completed
4	FTIR Spectroscopy Analyze (Akash M Chandran)	Miscellaneous	2021-22	10000+GST	Completed
5	Water testing	Miscellaneous	2021-22	4130	Completed
6	Water testing	Miscellaneous	2021-22	2500+GST	Completed
7	Water testing	Miscellaneous	2020-21	3500+tax	Completed
8	Water testing	Miscellaneous	2020-21	30000	Completed
9	Water testing	Miscellaneous	2020-21	4130	Completed
10	Water testing	Miscellaneous	2020-21	4130	Completed

11	Water testing	Miscellaneous	2019-20	31000	Completed
12	Design of Effluent Treatment Plant for Ayurveda Hospital Panangad Panchayath	Local Self Government Department (LSGD)	2019-20	1,00,300	On going
13	Research assistance to department	TEQIP II	2019-20	1,00,000	Completed
14	Water testing	Miscellaneous	2019-20	10000+ GST	Completed
15	Water testing	Miscellaneous	2019-20	2500+Tax	Completed
16	Water testing (Airport authority)	Miscellaneous	2019-20	2500+Tax	Completed
17	Water testing (Govt UP school Kayannaa	Miscellaneous	2019-20	2500+Tax	Completed
18	FTIR Spectroscopy Analyze	Miscellaneous	2019-20	1500+GST	Completed
19	Water testing (Harbor Puthiyappa)	Miscellaneous	2019-20	2500+Tax	Completed
20	Water testing (Kerala state construction cooperation Ltd)	Miscellaneous	2019-20	2500+Tax	Completed
21	FTIR Spectroscopy Analyze	Miscellaneous	2029-20	600+GST	Completed
22	Water testing (Kerala state construction cooperation Ltd)	Miscellaneous	2019-20	2500+Tax	Completed
23	Water testing (Kerala state construction cooperation Ltd)	Miscellaneous	2019-20	2950	Completed
24	Water testing (Kerala state construction cooperation Ltd)	Miscellaneous	2019-20	2950	Completed
25	Water testing (Kerala state construction cooperation Ltd)	Miscellaneous	2019-20	2500+Tax	Completed
26	FTIR Spectroscopy Analyze (ANN MARY JOHN)	Miscellaneous	20	1250+GST	Completed
27	FTIR Spectroscopy Analyze (SNEHAPRIYA)	Miscellaneous	20	354	Completed

28	Water testing (Kerala state construction cooperation Ltd)	Miscellaneous	2019-20	2950	Completed
29	Water testing (Kerala state COASTAL AREA DEVELOPMENT cooperation Ltd)	Miscellaneous	2019-20	590	Completed
30	FTIR Spectroscopy Analyze (Ashly Williams)	Miscellaneous	2019-20	590	Completed
31	Sample oil testing (Mechanical Engg)	Miscellaneous	2019-20	500+GST	Completed
32	Sample oil testing (Mechanical Engg)	Miscellaneous	2018-19	500+GST	Completed
33	Water testing (Mohammed Suneer)	Miscellaneous	2018-19	2500+Tax	Completed
34	Water testing (Mohammed Suneer)	Miscellaneous	2018-19	2500+Tax	Completed
35	Water testing (Office of Assistant Engineer)	Miscellaneous	2018-19	2950	Completed
36	Water testing (HSSCE)	Miscellaneous	2017-18	2950	Completed
37	Calicut university Calorific value, Iodine test etc	Miscellaneous	2017-18	2800+GST	Completed
38	FTIR Spectroscopy Analyze (Ashly Williams)	Miscellaneous	2021-22	295	Completed
39	Water testing (Ponnani harbor)	Miscellaneous	2018-19	5900	Completed
40	Water testing (office of Assistant Engineer Civil)	Miscellaneous	2018-19	2950+tax	Completed
41	Water testing (office of Assistant Engineer Civil)	Miscellaneous	2018-19	2950+tax	Completed
42	GCMS analyses	Miscellaneous	2018-19	2000	Completed
43	FTIR Spectroscopy Analyze (Reethu Susan Varghese)	Miscellaneous	2017-18	750	Completed
44	Iron sample	Miscellaneous	2017-18	590	Completed

	Chemical Analysis (Arts & Science college)				
45	FTIR Spectroscopy Analyze (Sinju M)	Miscellaneous	2017-18	590	Completed
46	Water testing (office of Assistant Engineer Civil)	Miscellaneous	2017-18	2950	Completed
47	FTIR Spectroscopy Analyze (Akash M Chandran)	Miscellaneous	2017-18	295	Completed
48	Water testing (office of Assistant Engineer Civil)	Miscellaneous	2017-18	2950	Completed
49	Water testing (PWD)	Miscellaneous	2017-18	2950	Completed
50	FTIR analyze	Miscellaneous	2017-18	300	Completed
51	FTIR analyze (Akshay Satheesh)	Miscellaneous	2017-18	345	Completed
52	Sand test	Miscellaneous	2016-17	1725	Completed
53	Water testing (Central public works Dept.)	Miscellaneous	2016-17	2500+GST	Completed
54	Water testing (Central public works Dept.)	Miscellaneous	2016-17	2500+GST	Completed
55	Water testing (Central public works Dept.)	Miscellaneous	2016-17	8850	Completed
56	Water testing (Central public works Dept.)	Miscellaneous	2016-17	2500+GST	Completed
57	Characterization of dental coating material	Malabar Dental College & Research Centre, Malappuram.	2018-19	18000	Completed
58	Research assistance to department	TEQIP II	2018-19	50,000	Completed
59	Water Testing	Miscellaneous	2018-19	5000	Completed

60	Lagoon Soil Analysis	Hindustan Insecticides Ltd.	2017-19	1,18,000	Completed on March 2019
61	Water Testing	Miscellaneous	2017-18	11800	Completed