

Minutes

25th Meeting of Board of Governors



**Government Engineering College
Thrissur-680009**

On

24th November 2021 Wednesday at 02:00 PM

held online

25th MEETING OF BOARD OF GOVERNORS on
24.11.2021 at 02.30 PM
AGENDA

SL. No.	Item Description	Page No.
1	Confirm the Minutes of 24 th Meeting of the Board of Governors on 06/01/2021	3
2	Review the actions taken report on the decisions in the 24 th Meeting of the Board of Governors.	3
3	Presentation of activity reports by nodal officers	
	3.1 Academic	3
	3.2 Procurement	12
	3.3 Ill Cell	13
	3.4 Finance	14
4	Approval of activities under various heads.	17
5	Ratification of activities carried out.	24
6	Any other item permitted by the chair 1. Reconstitution of BOG 2. Auditing of TEQIP 4 Funds 3. Seed money research projects 4. Starting of new courses 5. Reappropriation of funds	

The following members were present.

1. Dr. Ligy Philip, Chairman. Prof. IIT Madras
2. Dr. Satish Vasu Kailas, Government nominee. Prof. IISC Bangalore
3. Sri. Ajayan C, Additional Secretary, Higher Education Department, Government of Kerala.
4. Dr. Vrinda V Nair, Director SPFU
5. Dr. Renjini Bhattathirippad, Principal, GEC Thrissur
6. Dr. C.V. Lal., Prof. Civil Engineering Dept., GEC Thrissur
7. Dr. V.I. Thajuddin Ahammed, Prof. Electronics and Communication Engineering Dept., GEC Thrissur

The meeting began at 2.00 p.m with welcome address by the Chairman. The chairperson welcomed the newly joined members representing the institution to the committee. The agenda items were then taken up.

1. Approval of Minutes of 24th BOG Meeting held on 01.06.2021

Draft minutes of the meeting was circulated to all members and the Chairman invited comments and changes required from all members. As there were no additions, deletions or modifications the minutes was approved.

2. Review the action taken report on the decisions in the 24th meeting of the Board of Governors

The actions taken report was presented by the Principal and it was approved. In the discussions that followed the following decisions were taken as follow up actions.

- a) *BoG resolved that efforts should be taken to offer internships to students through the career guidance and placement cell.*
- b) *As it was pointed out that the chances of getting new courses approved by the government is very low this year, BoG decided to take steps to get the courses sanctioned next year.*

3. Presentation of activity reports by nodal officers

3.1 Presentation of Activity Report on Academic

1. Faculty Publications from January 2021 till date

Department	International Journals			International Conferences			Total No. of SCI Indexed journal publications during the period	
	2020	2021 till date	Total	2020	2021 till date	Total	2020	2021 till date
CE	-	2	2	-	10	10	-	2
ME	7	-	7	6	-	6	4	-
EEE	-	1	1	-	26	26	-	-
CHE	11	4	15	2	8	10	4	3
PE	3	2	5	2	4	6	-	-
CSE	-	-	-	1	7	8	-	-
ECE	7	-	7	21	2	23	2	2
TOTAL	28	9	39	32	47	79	10	7

Department	National Journals			National Conferences		
	2019-2020	2020 till date	Total	2019-2020	2020 till date	Total
CE	-	-	-	-	-	-
ME	-	-	-	5	-	5
EEE	-	-	-	-	-	-
CHE	-	-	-	1	-	1
PE	-	-	-	1	1	2
CSE	-	-	-	-	-	-
ECE	-	-	-	7	1	8

2. Pass percentage of 2016-20 B.Tech batch

Department	CE	ME	EEE	ChE	PE	CSE	ECE
Pass percentage of 2020 passout batch	77 / 98 78.57%	88 / 124 71%	95 / 115 82.6%	45 / 55 81.8%	18 / 31 58.06%	58 / 67 86.6%	56 / 68 82.35%
University ranks in top 10	-	10 th	3 rd	1 st , 2 nd , 4 th	1 st	-	-

The table below shows the percentage of students graduated from our institute during the period 2019-2020.

2019-20	UG			PG		
	Students graduated	Total no. of students	%	Students graduated	Total no. of students	%
CE	77	98	78.57	33	34	97.05
ME	88	124	71.00	31	37	84.00
EEE	95	115	82.60	33	35	94.20
ChE	45	55	81.81	17	17	100
PE	18	31	58.06	18	18	100
ECE	56	68	82.35	17	17	100
CSE	58	67	86.60	15	17	88.20

3. Placement details:

Dept.	CE		ME		EEE		ECE		CSE		CHE		PE		Total	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
Students registered	77	1	67	14	83	14	41	12	43	10	33	1	19	11	363	63
Students offers received	31	2	64	8	100	6	74	8	85	5	21	1	19	5	394	35
Students Placed	27	2	54	6	69	6	44	6	52	5	16	1	14	5	276	31

Placement percentage of UG students (w.r.t. Number of students registered) = 76 %

Placement percentage of PG students (w.r.t. Total number of students registered) = 49.2 %

4. Research and Development

Department	Details of faculty awarded PhD since 1/7/2020	Details of PhD produced by the faculty since 1/7/2020
CE	-	-
ME	3	1
EEE	1	1
ChE	1	1
ECE	1	1
CSE	3	-
PE	-	1

The details of the faculty who acquired PhD are as follows.

Sl No.	Name of the Faculty Member	Topic	University	Dept.,
s1	Dr.Sunil A.S.,	An Investigation on Flow oscillations due to shear layer instability and vortex dynamics	CUSAT	ME
2	Dr.Sunil Jerome.,	Theoretical and Experimental studies on ultra low temperature Linde-Hamson Refrigerator	IIT Madrass	ME
3	Dr.Mahipal D.,	Analysis,modification and evaluation of the properties of Karanja oil	CUSAT	ME
4	Dr.Vipinkumar K.S.,	Compiler based model construction for prioritized test scenario generation and its distributed testing in object oriented programs	CUSAT	CSE
5	Dr.Sminesh C.N.,	Investigations on flow management techniques in data and control plane to improve quality of science in software defined wide area networks	Karunya University	CSE
6	Dr.Ajay James.,	Offline Recognition of Malayalam Handwritten test	NIT, Durgapur	CSE
7	Dr.Manilal A.M.,	Removal of oil from produced water/oil field wastewater	Calicut	ChE
8	Dr.Uma Syamkumar	Smoothed Kalman observer for sensorless field – oriented control of induction motor	Calicut	EEE
9	Dr.Nelson K.J.,	Coplanar waveguide to double –sided parallel-strip line transitions and their Applications	CUSAT	ECE

5. Remedial classes conducted

Department					
EEE	Semester	Subject	Name of faculty	No: of students attended	No: of hours engaged
	S3	DC Machines and Transformers	Dr Jiji K S	18	8
	S3	Analog Electronics	Dr Bindumol	3	3

Professional Society Achievements and Activities

IEEE ACTIVITIES					
Sl. No.	Name of the Programme	Date	No .of students/ Name of institute	Speaker/ Firm	Remarks

1	PELS Design Competition	June 24 th to July 5 th	9 teams consisting of IEEE members	Rahul Subrahmanian, PEELS Chair, IEEE SB GEC	A design competition where the teams were expected to design the circuit, estimate the efficiency, simulate the complete circuit and do the PCB layout design.
2	Connect-LinkedIn Workshop	July 18 th	48 students from the college	Sonish Shivarajkumar, Data Scientist at IQVIA	Workshop on how to create an outstanding LinkedIn profile
3	Connect-Photoshop workshop	July 20 th to July 22 nd	60 students from college	Akshay Jyothis(S5 CSE), Shibin V.K(S5 CSE), Salil Parakkal(S7 Arch.)	An introductory session to Adobe Photoshop and hands-on workshop
4	Bazinga	August 9 th to August 17 th	300 students from various colleges in Kerala	Workshop in collaboration with EEE	8-day series of events and workshops conducted on collaboration with IEEE SB RSET.
5	Webinar on Engineering and Law	August 21 st	31 students	Shreeshankar Varma, Patent Attorney, AOMP IP Consultant, Netherlands	Webinar on importance of law in engineering and how it protects intellectual property
6	Webinar on Gate and Career Options	August 23 rd	40 students from college	Mr. Mathew Kurian, Placement Trainer	Webinar on importance of Gate and its role in getting highly reputed jobs at PSUs

7	Webinar on How to Execute Engineering Projects	August 13 th	116 students	Mr.Arun Kumar P G, Project Manager at Piller Power Sytems, UK	Webinar on how to plan your final year project and overcoming the challenges faced during COVID-19
8	Connect-Ethical Hacking Workshop	September 25 th to September 27 th	88 students	Adil Abdul Latheef(S7 CSE)	Hands-on workshop on introduction to hacking, Linux basics and Scripting basics.

ISTE ACTIVITIES			
Sl. No.	Name of the activity	Dates and Place where conducted	No. of students who took part
1	“CIRCUITRIX” an electrical based event on 30 th July 2020 at 3pm.	30 th July 2020 at 3pm Gec ter	30
2	Mission IAS	10 th August 2020 at 7 pm	100
3	ISTE GEC STUDENTS’ chapter in association with NOVITECH conducted a webinar on “Real-time sentiment analysis with NLP & ML”	19 th August 2020 at 5 pm	250
4	100 DAYS TO CAT	20 th August 2020 at 7 pm	90
5	Internship Programme in Python	20 th August 2020	90
6	General quiz	10 th sept 2020	90
7	RACK THE BRAIN CHALLENGE as part of celebrating National engineer’s day on September 15.	16 th september 2020	10
8	Online coding competition CODING NINJA .	28 th September 2020, 4:30 pm	
9	Webinars	29 th October 2020 1 st November 2020	200
10	Orientation programme for 2020-2024 batch.	November 2020	250

11	Python workshop	26 th and 27 th December 2020	189
----	-----------------	---	-----

ICI ACTIVITIES				
Name of the event	Date	Platform	No. of participants	Remarks
QUOTE IT OUT	15 -9-2020	Google meet	25	College level quote and talk competition commemorating national engineer's day
ENDURA	5-6-2020 to 7-6-2020	Google meet	75	Online Persona competition to find the best civil engineering student - from colleges across Kerala.
IGNITO	16-10-2020 to 18-10-2020	Google meet	800	Tech fest conducted by ICI GECT AND ICI CET student's chapter- all Kerala
1)BE THE BEAVER				
2)EXPRESSUS				
3)FOURSIGHT				
4)DUEL OF DISSENT				
5)PRO- AD				
CAZADOR	3-1-2021	Google meet	75	Department level

DEPARTMENT ACTIVITIES		
CE	Shrishti - The official newsletter of civil engineering department has been initiated which will be published once in every three months. It includes articles written by students and faculty aiming at keeping the readers updated about civil engineering field.	
	Structube - ICI GEC Thrissur initiated a YouTube channel aiming at spreading civil engineering knowledge to the public as well as to help students get equipped with skills required in the field.	
	July 2020-till date	programme
	VFP	1
	IIC	1
	B2C	1
EEE	July 2020-till date	# programme
	VFP	2
	IIC	3
CHE	2020-	# programme

	IIC	3
	IICChE	1
	B2C	1
	Excel Club	5 days' workshop for students

7. Other Major Achievements

DEPARTMENT	UNIVERSITY RANK 2020	GATE RANK 2020	OTHERS
EEE	Nikhil Suresh - 3 rd rank	Alin Anto – 3 rd rank	<p>Gopalakrishnan T H-4TH rank in NEO(National Engineering Olympiad) 2020</p> <p>Ajay M P – ISTE Kerala State Best student award 2020</p> <p>Shahana Beegum S-1)Campus director-Hult Prize 2020(organized by United Nations and Hult Business school)</p> <p>Shahala O -First runner up in Reboot Kerala Hackathon on Agriculture- an initiative by Department of Higher Education-Government of Kerala and ASAP held at Holy Grace Academy, Mala from 27/02/20 to 01/03/20.</p> <p>Rahul Subrahmanian Secured second prize in Power Electronics Quiz PHOENIX on 4/9/2020</p>
ME	10 th Rank- Akshay J	-	-
CHE	1 st Rank- Aravind B Menon 2 nd Rank–Nithin T Raj 4 th Rank–Divya N	-	Abhishek V S and Abhishek K S secured first prize in Ignitron 2020, an idea presentation contest by SaintGitz college.They presented their design project, production of disinfectants by electrolysis of saline water for managing Covid-19.
PE	Ajay Aravind- Ist Rank	Tony C A, AIR-270 Nismath V H, AIR-149	<p>CAT 2020: Pranav Pattan scored 98.15 percentile,</p> <p>CAT 2020: SamayaC V scored 89.43 percentile Dare2compete hackathon festival, Participants:R Menon and Devanand DK</p> <p>Pranav Balachandran: Received certificate of appreciation for the dedicated service rendered in developing “ Dedicated Nursing Staff” and “E-Trolley” for Covid 19 FLTC, Nattika from Thrissur district administration</p> <p>Glinz George: Received certificate of appreciation for the dedicated service rendered in developing “ Dedicated Nursing Staff” and “E-</p>

			<p>Trolley” for Covid 19 FLTC, Nattika from Thrissur district administration</p> <p>Evin Wilson: Received certificate of appreciation for the dedicated service rendered in developing “Dedicated Nursing Staff” and “E-Trolley” for Covid 19 FLTC, Nattika from Thrissur district administration</p> <p>Muhammed Arif O S: Received certificate of appreciation for the dedicated service rendered in developing “Dedicated Nursing Staff” and “E-Trolley” for Covid 19 FLTC, Nattika from Thrissur district administration</p>
CSE	-	<p>1) Athira P T – AIR 53</p> <p>2) Sanjna Mohan – AIR 422</p> <p>3) Anjali . S Menon- AIR 888</p>	-
CE	-	<p>Deepak kumar M V (AIR-705) 5 students of 2020 passout batch qualified in GATE 2020.</p>	<p>The KSCSTE funded project titled “Modelling the effect of support conditions/anchoring systems in transient cavitation flow in pipes considering fluid structure interaction” was ranked grade A based on the overall performance.(Dr N Sajikumar- Principal Investigator Dr Sumam K S, Prof. Miji Cherian R- Co investigators)</p> <p>The paper titled “Upstream flood hydrograph prediction of Chalakudy river”, authored by Ms Jeslin Jose, M.Tech student, received the best paper award in the Water Resources Engineering stream in ICETEST 2020</p>

Other Commendable Achievements

The team consisting of **Aswin Kumar, Fida Nasri, Krishnanand V P, Nandhu P K, Shahala O and Vishnu M** won the second prize in the Agriculture Hackathon 2020.

The team constituted by **Abhay V Ashokan, Annarose M B, Misha Mohan, Prabhav Rajeev, Riswana T R and Shashank Menon** won the second prize in the Health Hackathon 2020.

Nair Atul Muralidharan, student of B.Tech Computer Science & Engineering was inducted in to the Google Hall of Fame and Microsoft Hall of Fame.

8. Details of GATE coaching conducted in the Departments

Department	No: of peer groups formed for GATE	Peer group activities conducted relative to GATE preparation	Any other mode of GATE coaching conducted in the department
------------	------------------------------------	--	---

	preparation		
CE	10	Answering Question papers	Utilizing online programs
EEE	12	Discussion of difficult subjects after the class hours	Some students attending gate coaching organized by ISTE
ECE	3	Online platform for discussion on weekly basis	Weekly online class through Institute googlemeet
CSE	4	Previous Question paper-- discussion and solving	

9. Report on International conference ICETEST 2020

International Conference on Emerging Trends in Engineering Science and Technology (ICETEST 2020) was organized by the Government Engineering College Thrissur from 17 - 19th December 2020.

Three sub conferences were organized under the aegis of ICETEST 2020 namely,

International conference on Civil Engineering Advances for Sustainable Infrastructural Development and Environment (CEASIDE 2020), International conference on Recent Advances in Material Processes and Technology for Sustainability (RAMPTS 2020) and International conference on Power Instrumentation control and computing (PICC 2020)

The multidisciplinary nature of the conference provided a great opportunity for researchers to share their knowledge in the diversified areas.

The conference was conducted ONLINE mode in the shade of Covid pandemic and has received overwhelming response from scientific community all over the world.

Altogether there were more than 400 contributory paper submission and all the papers were subjected to stringent closed peer review and plagiarism checking by at least two reviewers for each paper. Two hundred and one papers were selected for presentation and consequent publication in two streams of publications namely, IEEE Xplore digital library and IOP publishing, UK.

Seventeen keynote speakers / Invited lectures, of which thirteen speakers were from foreign universities, delivered talks on latest developments in various fields.

1176 authors contributed papers to the conference including authors from foreign universities, IITs, NITs , BITS PILANI, Jadavpur University, etc.

About 500 reviewers were involved in the review process.

The conference was inaugurated by Dr. Venkitakrishnan P.V, distinguished scientist ISRO Bangalore on 17th December 2020. The valedictory address was delivered by Dr. Raghu N, Director Center for Materials for Electronics Technolgy Thrissur on 19th December.

In the discussions that followed the following decisions were taken as follow up actions

- a) *BoG asked to start an alumni mentoring program for students from 2nd year onwards for career oriented courses.*
- b) *BoG chairman directed to take proactive steps for improving student performance by engaging remedial classes in every departments. This has to be done for GATE coaching also.*

3.2 Presentation of Activity Report on Procurement

An amount of Rs. 55,36,675/- (Rupees fifty five lakhs thirty six thousand six hundred seventy five only) is now available in the maintenance fund and an amount of Rs. 67,96,874/- (Rupees sixty seven

lakhs ninety six thousand eight hundred seventy four only) is now available in the replacement fund as of now. Plan proposals placed earlier have resulted in spending amounts of Rs. 16885 under maintenance and Rs. 8,35,110 under replacement. For the next plan period proposals amounting to Rs 32,14,140/- are placed before BoG for approval under maintenance and replacement as given in item 4.

In the discussions that followed the following decisions were taken as follow up actions.

- a) BoG directed to take proactive steps in improving the expenditure in all the four subheads
- b) Decided to increase the research project funding to faculty for student support to the tune of Rs. 25,000/- per project and 2 projects per faculty.

3.3 Presentation of Activity Report of III Cell Unit

III Cell programmes

Sl. No:	Name of the Expert	Topic	Dept.,	Date	Estimate Exp.
1	V .Balaji., R&D Manager Mercedez Benz, Bangalore	Solid Mechanics	ME	28.10.2020	3000
2	Mr.Shyju S, Senior Process Instructor, ADNOC,UAE	Petrochemical operations: The products from Propylene.	ChE	20.08.2020	3000
3	Pradeep RajagopalaPanicker Vice President, VP Technology, Cabot Technologies , Ist Floor , Lulu Cyber Tower , Infopark	Enterprise Architecture an Overview	EEE	28.07.2020	3000
4	Ms.SindhuKurup., Programme Manager, Wells Fargo , Bangalore	IT in Banking Industry Catering to Millienial Customers	EEE	14.08.2020	3000
5	Mr.KamalasananP.K.,Sub Divisional Engineer, BSNL(Retd)	5 G Networks	ECE	12.08.2020	3000
6	Mr.Athulraj,Co-Founder, Quarous Technologies	Android Programming	ECE	14.08.2020	3000
					18000

4 other programs were also held during this time and are included in the list of items to be ratified, expenditure totalling to Rs. 11000.

IIC under TEQIP has conducted a webinar through Airmet on “*Graduating in Corona Times*” by **Dr. MuraleeThummarukudy**, Operations Manager, Head of Crisis Management Branch Operations, United Nations Environment Programme and **Ms.Neeraja Janaki**, Career Counsellor and Life Coach, Mentorz4u, Kerala on 18.11.2020 for final year and pre-final year students of the institution. The program was livestreamed in Facebook and You tube and received a participation of around 500 people.

3.4 Presentation of Finance Activity Report for the period upto December 30th 2020

At present, the funds available under the various heads are

- Corpus Fund : Rs.56,58,649/-
- Faculty & Staff Develop. Fund : Rs.69,10,547 /-
- Maintenance Fund : Rs.55,36,675/-
- Equipment replacement : Rs.67,96,874/-

The split up of allocation of this balance amount among departments is given as

	CE	ME	EEE	ChE	PE	ECE	CSE	Institution
Corpus	1131730	1131730	1131730	452692	452692	452692	452692	452691
FSD	1382109	1382109	1382109	552844	552844	552844	552844	552844
EMF	1107335	1107335	1107335	442934	442934	442934	442934	442934
ERF	1359375	1359375	1359375	543750	543750	543750	543750	543749

Plan for spending during the remaining period

The balance amount to be spent is split up during the next 3 phases till completion i.e. upto July 2022 as per the ratios

Jan-Jul 2021 25%

Jul-Dec 2021 30%

Jan-Jul 2022 45%

Reallocation will be done dynamically depending on the current status during the last 2 phases.

In the discussions that followed the following decisions were taken as follow up actions.

- a) It was decided to change the plan of expenditure for the unspent amount to be 35, 40 and 25 percent during the next 3 six-month periods.*
- b) It was also decided that the reallocation of funds to departments will be done taking the then spending into consideration.*

TEQIP II FOUR FUNDS UTILIZATION						
Name of the Fund	Category of expenditure (Head of expenditure)	Sub-Activity	Total Expenditure up to 28.07.2020	Expenditure for the period 28.07.2020-31.12.2020	Total Expenditure up to 31.12.2020	Planned expenditure for the period of Jan to June 2021
1	2	3	4	5	(6=4+5)	7
Corpus Fund	Academic support for students	Expenditure incurred on research projects taken by UG/PG students	21135	48971	70106	1149939
		Expenditure incurred on research publications	48260	16806	65066	90555
		Remedial Class	56400	0	56400	0
		Visiting Faculty	252468	12500	264968	52316
		Industry Institute Interaction	20953	10800	31753	60000
		Skill Development & Others	16667	15000	31667	70000
		Total	415883	104077	519960	1422810
	Incremental operating cost	Salary	340250	73730	413980	90000
		BoG meetings	146374	6000	152374	15000
		Stationary and other expenses	19459	1461	20920	5000
		Others	56274	11485	67759	11503
Total Utilisation from Corpus Fund			978240	196753	1174993	1544313
Faculty Development Fund	FSD	Expenditure on faculty members attended training in subject domain	250260	79847	330107	36380
		Expenditure on faculty members attended pedagogical training	28149	0	28149	0
		Expenditure on organising in-house subject area training programmes / workshops / seminars / conferences etc	526269	0	526269	36000
		Expenditure on participation by faculty in external seminars/conferences/workshops etc	301787	20869	322656	276012
		Expenditure on staff development	0	43072	43072	0
		Others	68392	12983	81375	0

	Total		1174857	156771	1331628	348392
Equipment Replacement Fund	ERF	Equipment	1226851	11682	1238533	535760
		Books	0	0	0	0
		Software	0	0	2333800	2333800
		Furniture	0	0	0	0
		Others	0	0	0	0
	Total		1226851	11682	1238533	2869560
Equipment Maintenance Fund	ECMF	Equipment Maintenance	91938	13661	105599	344580
		Civil Works	0	0	0	0
		Others	0	0	0	0
	Total		91938	13661	105599	344580
Grand Total			3471886	378867	3850753	5106845

4. Approval of activities under various head

The following activities planned are approved to be conducted during the next phase of the four fund period.

Corpus Fund - For Approval - Research project taken by UG/PG Students

Sl No	Name of the Faculty Member	Name of the Student	Dept.	Name of the Project	Estimate amount
1	Dr.N.Sajikumar., Prof.,	Ms.Sherjah P.Yusuf Ali., Research Scholar.,	CE	Water Quality Monitoring of a complex water body using multispectral imagery	9720
2	Dr.Seena P., Asso.Prof.,	Mr.Manu K.Unnikrishnan., M.tech student	CE	Prediction of Fresh and Hardened properties of self compacting concrete using artificial neural network	9825
3	Dr.Seena P., Asso.Prof.,	MS.Amrutha Chandran., M.tech student	CE	Numerical and Experimental study on shear strength and behavior of reinforced concrete composite deep beam	10000
4	Dr.Nowshaja P.T., Prof.,	Ms.Supriya O.,	CE	Prediction of compressive strength of concrete using fuzzy logic	9100
5	Dr.Manesh K.K., Asso.Prof.,	Amal A.V., Semester 3. M.Tech Production Engineering ,	ME	Development of Hybrid Natural Fiber Composite for Making Boat Hulls	18300
6	Dr.Sudheesh R.S., Asst.prof.,	Mr.Lince Mathew Thomas., S3 M.Tech Production,	ME	Design, analysis and optimization of soft vacuum actuators	23200
7	Mr.D.Mahipal., Asso.prof.,	Ms.Shibli K.,	ME	Chemical Modification of Karanja Oil Trimethylolpropane (TMP) and Effect of TiO ₂ Nano-particles Concentration During Tribological Investigation	15700
8	Mr.D.Mahipal., Asso.prof.,	Mr.Jesbin K.S., S3 M.Tech Production ,	ME	Physicochemical And Tribological Properties of Cashew nut shell oil	13500
9	Mr.Tennison K.Jose., Asst.Prof.,	Mr.Adith V.P., S3 ICTM M.tech	ME	An Investigation on the effect of varying fuel injection pressure on a CI engine fuelled with saturated biodiesel	20500
10	Mr.Tennison K.Jose., Asst.Prof.,	Mr.Jiyash T., S3 ICTM M.tech	ME	The performance Improvement of an internal combustion Engine using Secondary Expansion in the working cycle	56000
11	Dr.K.K.Ramachandran	Mr.Akash Raj., S3 M.tech in Production	ME	Characterization of Ti Biomedical Implant surfaces	45900

	,Prof.,	Engineering,		modified by physical Vapour Deposition(PVD) coating	
12	Mr.Anwar Sadiques, Asst.prof.,	Mr.Vishnu Prasad S.R., , Mtech in Production Engineering,	ME	Vibrational analysis of gear box using Machine learning	26400
13	Mr.Anwar Sadiques, Asst.prof.,	Ms.Jasmin Poulouse, Mtech in Production Engineering,	ME	Condition Monitoring of ball bearing using Machine learning of Vibration signals	7400
14	Dr.Rekha L., Asso.Prof.,	Mr.Tinu Jose.,	ME	Experimental Investigation of Heat Transfer Enhancement in a Heat Pipe using Hybrid Nanofluid	2315
15	Mr.Manoj P.J., Asso.Prof.,	ASwin shaj K., Akhil KrishnaPradeep, Abhijith R.P., S7 ME	ME	HYBRID TRIKE	69750
16	Dr.Rekha L., Asso.Prof.,	Abino Raphael, Akhil A, Cement C Rajan,Gittu KOshy George , S 7 , ME	ME	Design and construction of slow speed stability Module using Gyroscope	31500
17	Mr.ArunM.S., Asst.Prof.,	Mr.Sayooj K.S., M3 Production ,ME Dept.,	ME	Fabrication and Application of Eco-friendly anti fogging coating for optical elements	13500
18	Mr.Sajith C. Subramanium., Asst.Prof.,	Maneesh Kumar P V., M3 Production ,ME Dept.,	ME	Synthesis of Estolides	14500
19	Mr.Abdul samad, Asso.prof.,	Deepu Sebastian,Arun Das K., Alvin Lukose, Clinec Michael., B.Tech students ME Dept.,	ME	Design and development of steering, brake, Throttle systems of a self-driving car	9665
20	Dr.Manesh K.K., Asso.Prof.,	Mr.Jerin George, S3 M.tech Production Engineering , ME Dept.,	ME	Parametric Optimization and characterization of plasma in micro Electric discharge machining of nitinol(Ni-Ti)	18300
21	Ajayavarma K., Asst.Prof., ME Dept.,	Abraham C., Ajithkumar K., Arjun T.M., Binu Mohanan T.K	ME	Design and construction of reverse gear mechanism in scooters for physically challenged people	15300
22	Dr.K.K.Ramachandran , Prof.,	Abhijith P., Anand T.P., Adithya Narayanan, Gokul Krishnan , B.tech students	ME	Fabrication and performance studies of Hexapod spider robot”	10730
23	Dr.Jiji K.S., Asso.Prof.,	Aparna Sreekumar., M.tech Power electronics	EEE	DC-DC Boost Converter with High Voltage Gain and Wide input Range for fuel cell EV	194400
24	Dr.Jayanand B., Prof., EEE Dept.,	Rahul Subrahmanian, S3,M.techin Power	EEE	Design and Development of an Electric Propeller foa a Boat Expected financial support	27000

		Electronics ,			
25	Dr.Jayanand B., Prof., EEE Dept.,	Charles K.J., S3, M.techin Power Electronics ,	EEE	Design and Development of a Battery Charger for Indian Standards Expected financial support	23000
26	Dr.JaisonMathew., Asso.Prof.,	Nandana V.S., S3., M.tech in Power Electronics ,	EEE	High step –up DC-DC Converter with Active Switched LC-Network	22500
27	Dr.Jisha V.R., Asso.Prof.,	Susmitha P., M.tech in Power Electronics ,	EEE	Minimization of Voltage Ripple in KY Boost Converter	10000
28	Ms.Uma syamkumar., Asst.Prof.,	Ms.Anagha M., Mtech	EEE	Discrete Time Repetitive Sliding Mode Controller for Voltage Source Inverters	9150
29	Ms.Lisy E.R., Asst.Prof.,	Hasna A.K., M.Tech	EEE	A DC-DC- High Voltage Gain Converter with Low Voltage Stess on Switches and Diodes	4350
30	Dr.SuharaE.M., Asst.Prof.,	Siyas Mohammed T.T., S3 M.tech in Power Electronics	EEE	Onboard Battery Charger for Plug-in Electric Vehicles	125100
31	Ms.Midhu DAS B., Asst.prof.,	Sreelakshmi P., Mtech Power Electronics	EEE	A wireless Battery Charger for electric vehicles fed from solar PV system	28400
32	Dr.Suresh K.Damodaran, Asst.prof.,	Anusha Musthapha , S7	EEE	Dual axis solar tracker with cooling mechanism	21160
33	Mr.Rajesh K., Asst.Prof.,	Lakshmi S., Manal Jaleel Poovathingal, Sruthi M.S., Nandana V N., S7	EEE	Quadcopter for search and Rescue(SAR) during floods	50000
34	Ms.BinithaJoseph ,Asst.Prof.,	Abhijith Radhakrishnan, Ajay R.Nair., Allen Mathew, Anagha Michael., B.Tech S7	EEE	A Portable renewable solar energy powered cooling system based on wireless power transfer for a vehicle cabin	6950
35	Dr.JayanM.V., Asso.Prof.,	Aashik M.S., Desly Dominie, Jathindas A.M., Krishnapriya V.C., S7	EEE	Sensor fusion of self driving car	9950
36	Dr.Anasraj., Asso.Prof.,	Abel Senson, Anjali Prakash T.K., Edison T.T., Jeffery Joy ., S7	EEE	Electrical Actuation of Driving system for an autonomous car	9500
37	Dr.Lisy E.R., Asst.prof., EEE Dept.,	Yamuna S., ,Samantha Mathew, Shabna P.M., Vidhya C.S., S7 EEE	EEE	Optimized solar power harvesting system for forest fire detection using wireless sensor networks.	6918
38	Dr.SuharaE.M., Asso.prof.,	Aswathy Prakash., Al Hamim H., Anandu M.G., , S7 EEE students	EEE	Single-phase reconfigurable Inverter for a solar powered Hybrid Home.	19050

39	Ms.Midhu Das B., Asst.prof.,	Akhil Salil, Akshay M. Anil, Fathima Liya, Jaseena M.,	EEE	Smart Home using DC Nanogrid	15500
40	Ms.Nisha G.Poothullil, Asst.prof.,	Gayathri C., Kiran Madhu, Lakshmi M.P., Anusree K.R.,	EEE	Solar wireless power transfer for electric vehicles	9100
41	Dr.Jisha V.R., Asso.Prof.,	Nayanthara K.S., Serene Shajen, Siddharth S., Don Xavier, S7 EEE	EEE	Mini Electric scooter with balalnce assist	26400
42	Dr.Bindumal E.K., Asso.prof.,	Sebin Wilson E, Malavika Krishnan, Sreehari C P , Vaisakh Mohan, S7, EEE	EEE	Symmetric MLI with minimum switches for efficient motoring and regenerative braking in EV	6700
43	Mr.Nevin Jacob K., Asst.Prof.,	Mr.Sreejith P., Sreejith P Sajeev., Sanil K.,	EEE	Effect Temperature on power conversion efficiency of solar panel –GEC thrissur case study done at solar PV installation at roof top of administrative block of GEC thrissur	9466
44	Anish Babu K.K.,	Mohammed Rishan N.K., Anupama K., Amulya Rajagopal , Sruthy P M	ECE	Machine Leaning equipped writing Machine for paralysed and Handicapped students	21085
45	Renjana R., Asst.Prof.,	Mr.Ansab N.P., S3 M.tech Process Control	ChE	Molecular Modelling & Characterization of Metal Catalyst Supported by Biochar from Ayurvedic Byproducts	10000
46	Dr.AnjanaR., Asso.Prof.,	Vishnupriya P.P., S3, M.Tech in Process Control	ChE	Preparation ,characterisation and molecular modelling of metallic catalyst using iron or palladidum incorporated on spent catalyst from BPCL Kochi refinery	22425
47	Dr.K.K.Ramachandran , Prof.,	Abhijith P., Anand T.P., Adithya Narayanan, Gokul Krishnan ., B.tech students	ME	Fabrication and performance studies of Hexapod spider robot”	10730
					1149939

Paper presentation Students

SL No	Name of the student	Dept.,	Name of The programme	Reg Fee
-------	---------------------	--------	-----------------------	---------

1	Mr.Amal A.V., S3 M.tech.,	ME	Paper titled “Tensile strength analysis of welded joints of carbon/PPS composites” accepted in the International conference on Systems ,Energy,and Enviorment (ICSEE 2021) on Jan 22 – 23 rd 2021 at GEC Kannur	1500
---	------------------------------	----	---	------

III Cell – Expert Talk

Sl No	Name of the Expert	Title of the programme	Date of the Programme	Coordinator	Dept.	Amount
1	Mr.Saravana Kumar A., Scientist (Power Electronics Group) CDAC, Tvm.	Power Converter for power quality and renewable Energy systems	First week of February 21	Mr.Rajesh K., Asst.Prof.,	EEE	3000
2	Mr.Sibin Sam ., Siemens Bangalore.,	AI and Robotics	Last Week Feb 2021	Ms.Lisy E.R., Asst.Prof.,	EEE	3000
3	Mr.Vinod Kumar., Managing Director., Wings2i Solutions Pvt.Ltd., Bangalore.,	Common pitfalls in Entrepreneurship	First Week March 2021	Ms.Lisy E.R., Asst.Prof.,	EEE	3000
4	Bejoy T., Scientist D, NPOL, DRDO, Cochin	Introduction to MATLAB	09.01.2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
5	Venkat Hariharan ., Senior Process Engineer, Micron Technology, USA	Role of Chemical Engineering Graduates in the semi conductor Industry	Jan 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
6	Abilash Jacob Rajan., Customer Success Manager, Honeywell solutions, Qatar	Basic and Advanced Process Control, Multivariable Control and Optimization	Feb 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
7	Sarath K Bharath, Operational Excellence Advisor	Process Safety	April 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
8	Mr.Harinath., Chief Manager, BPCL-MR	Optimization in Refinery	June 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
9	Dr.Ahmed Basha., Joint Director.,(Rtd),CECRI Karaikudi	Solving Chemical Engineering Problems using Maple	Oct 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
10	Dr Suresh Nair,Founder of Design Alpha & ,Infopark,Kakkanad & Chief Technology Advisor at Foundation for Innovation in Social Entrepreneurship	Product Design	18.03.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000
11	Dr Samuel, Project Manager, SFO Technologies (NeST), Kakkanad	Optical Communication	29.06.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000

12	Jawad K A., Asst. Manager, Technology and Design. Chennai	Supercritical steam turbines	May 08 2021	Mr.Sunil A.S., Asso.Prof.,	ME	3000
13	Dileep Cherian, Deputy Manager, Forbes marshal Pvt. Ltd. Pune	Thermal systems	May 23, 2021	Mr.Sunil A.S., Asso.Prof.,	ME	3000
14	Raghu R., Deputy Manager, TCC, Kochi	Maintenance Engineering	June 29,2020	Mr.Sunil A.S., Asso.Prof.,	ME	3000
15	Ms.Sree Lakshmi P.B., Environmental Engineering, pollution control Board.,	Industrial water pollution and its control	Feb 2021	Mr.Manu Devassy., Asst.Prof.,	CE	3000
16	Eby Varghese., Environmental Engineering, pollution control Board.,	Air Pollution	March 2021	Mr.Manu Devassy., Asst.Prof.,	CE	3000
17	Biju P C., Executive Engineer., Project Division , Kozhikode	Design of water supply system using customized software	Jan 2021	Mr.Manu Devassy., Asst.Prof.,	CE	3000
						51000

Visiting Faculty Programmes

Sl No	Name of the Expert	Title of the programme	Date of the Programme	Coordinator	Dept.	Amount
1	Dr. Sumesh P T, Assistant Professor in Chemical Engg., IIT Madras	Fluid Mechanics	April 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
2	Dr Naveen Gopinath Assistant Professor in Chemical Engg., IIT Ropar	Catalyst Characterisation	April 2021	Ms.Padmavathy K.S., Asst.Prof.,	ChE	3000
3	Prof. Vijay John, Assistant Professor, Toyota Technological institute, Nagoya Japan	Automobile Engineering	February 25, 2020	Mr.Sunil A.S., Asso.Prof.,	ME	3000
4	Dr.Thankaraja, Asst. Professor Mechanical Engineering, VIT, Chennai	Alternate fuels	March 7, 2020	Mr.Sunil A.S., Asso.Prof.,	ME	3000
5	Dr.Portatham, Asst. Professor Mechanical Engineering, VIT	Alternate fuels	March 16,2020	Mr.Sunil A.S., Asso.Prof.,	ME	3000
6	Tapano Kumar hotta, Associate Professor in Mechanical Engineering Department, VIT, Vellore,	Optimization of heat source	April 4, 2020	Mr.Sunil A.S., Asso.Prof.,	ME	3000
7	Gnasekaran, Assistant Professor In mechanical	Montecarl	June 11, 2020	Mr.Sunil A.S.,	ME	3000

	engineering Department, NIT Karnataka,	o methods, Heuristic optimization		Asso.Prof.,		
8	Mr.Arath P. Sathyan., Asso.Prof., IIT Madrass	Fluid Mechanics	April 2021	Mr.Manu Davassy., Asst.Prof.,	CE	3000
9	Dr.Dhanraj, AssistantProf. Grade I, NIT Calicut	VLSI for communication	03.02.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000
10	Dr.Jagadanand G, Associate Professor, NIT Calicut	Embedded System Design using PIC micro controllers	10.02.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000
11	Dr.Lyla B Das, Associate Professor, NIT Calicut	ARM Processors	17.02.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000
12	Mr.Rajesh M, Scientist/Engineer D, NIELIT	IoT Security	24.02.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000
13	Mr.Sureshkumar Gaddi, Senior Technical Officer, NIELIT	Arduino Programming	04.06.2021	Mr.Mohamed Salih K.K.Asst.Prof.,	ECE	3000
						39000

Patent

Name of the programme	Name of the faculty	Dept.,	Amount
Performance Enhancement in Filter bank based Multicarrier system	Mr.Job Chunkath., Asst.Prof., ECE Dept., under supervision Dr.Sheeba V.S., Principal ,	ECE	70000

Faculty and staff Development Fund

Short term Training Programme

Sl No .	Name of the Programme	Date of the Programme	Coordinator	Dept.	Amount
1	Advances in Bridge Engineering –Design and Research perspective	12.04.2021-16.04.2021	Dr.C.V.Lal., Prof.,	CE	36000

5. Ratification of activities carried out.

Faculty Staff Development – Expenditure on participation by faculty in external seminars/ conferences/workshops etc -for ratification

SL No	Name of the Faculty Member	Dept.,	Name of The programme	Reg Fee
1	Dr.Nowshaja P.T., Asso.Prof.,	CE	Paper titled One dimensional hydrodynamic Modelling of Pamba river Basin” ICETECST 2020 at GEC Thrissur	6285
2	Dr.Reeba Thomas , Asso.Prof.,	CE	Paper titled “Comparison of Hydrodynamic and sediment transport model for dam break analysis over mobile bed” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
3	Dr.Reeba Thomas , Asso.Prof.,	CE	Paper titled “Flood modeling and break analysis of Karuvannur River in Kerala State” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
4	Dr.Reeba Thomas, Asso.Prof.,	CE	Paper title “Impact of urbanization on flooding in chalakudy river” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
5	Dr.Reeba Thomas Asso.Prof.,	CE	Paper titled “Blue and Green Water security assessment of Karuvannur watershed” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
6	Dr.Reeba Thomas , Asso.Prof.,	CE	Paper titled “Identification of Water Scare Regions of Kunthipuzha River basin using water allocation Tool” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
7	Dr.Reeba Thomas , Asso.Prof.,	CE	Paper titled “Shorteline –change Detection at Kodungallur –Chettuva region in Kerala state” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
8	Dr.Sumam K.S., Asso.Prof.,	CE	Paper titled “Upstream flood hydrograph prediction of Chalakudy River” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
9	Ms.Sosamony K.J., Asst.Prof.,	CE	Paper titled “Treatment of ASPF Pretreated Textile effluent using MSSR induced with Magnetic field” presented in the International conference on Science and Innovative Engineering on 29 th March 2020.	2000
10	Divya B Mathew., Asst.Prof.,	CE	Paper titled “Influence of moment modification factor in lateral torsional buckling of doubly and monosymmetric sections” accepted in the International conference on “12 th Structural Engineering Convention- An International Event (SEC-2020)	6000

11	Dr.N.Sajikumar,Prof., CE Dept.,	CE	Paper titled “Landslide prediction in Western Ghats using TRIGRS model(ID 162)” accepted in the 25 th International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	4000
12	Dr.Sumam K.S., Prof.,	CE	Paper titled “Estimation of sediment yield in chalakudy River” accepted in the 25 th International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	3500
13	Dr.Sumam K.S., Prof.,	CE	Paper titled “Flood Inundation mapping of Chalakkudy river using HEC RAS” accepted in the 25 th International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	3500
14	Dr.Nowshaja P.T., Prof.,	CE	Paper titled “A Comparison between flood models developed using topographical details from field survey and SRTM DEM using MIKE HYDRO River (ID 258)” accepted in the 25 th International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	3500
15	Dr.Reeba Thomas., Asso.Prof.,	CE	Paper titled “Dam break Analysis by use of TELEMAC MASCARET” accepted in the 25 th International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	3500
16	Dr.Shalij P.R., P.,Prof., PE Dept.,	PE	Paper titled “Sustainable Product Development using Balanced Scorecard perspectives” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
17	Dr.Manjithkumar B., Prof.,	PE	Paper titled “An Assessment on the effect of titanium dioxide & iron oxide nano particles in industrial waste decontamination” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
18	Dr.Manjithkumar B., Prof.,	PE	Paper titled “An Experimental study on the effect of manganese dioxide & ferric oxide nano-particles in for sewage water decontamination” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
19	Dr.Satish K.P., Prof.,	PE	Paper titled “A Methodology to analyze undergraduate engineering student’s campus start up activities and its scope of B2C Campus” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
20	Dr.Satish K.P., Prof.,	PE	Paper titled Impact of TQM practices on firm’s performance: investigation of spinning mills, accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
21	Dr.Sujatha I., Asso.Prof.,	PE	Paper titled Influence of Rogers theory of Innovation of diffusion on customer’s purchase intention – a case study	6285

			of solar photovoltaic panels” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	
22	A.R.Harikumar., Asst.Prof.,	PE	Paper titled “The effects of winglet on hawt blade and the optimum ratio between wing and winglet dimensions” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
23	Mr.D.Mahipal., Asso.Prof.,	ME	Paper titled “the effect of free fatty acids on the tribological properties of Karanja oil” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
24	Mr.Karun V.Gopal., Asst.Prof.,	ME	Paper titled “Fabrication and Dry Sliding Wear Analysis of Centrifugally casted A 356-10% SiCp functionally Graded Metal Matrix composites at Different Rotational Speed accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
25	Dr.Pradeep M.Kamath., Asso.prof.,	ME	Paper titled “Numerical Investigation of flow across a solid and porous type turbulent promoters in cooling channel” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
26	Mr.Manoj P.J., Asso.Prof.,	ME	Paper titled “Recent developments in ejector refrigeration system” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	7735
27	Mr.Manoj P.J., Asso.Prof.,	ME	Paper titled “numerical investigation of flow Across a solid and porous type turbulent promoters in cooling channel applications” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
28	Dr.Arun M.S., Asst.Prof.,	ME	Paper titled “Comparative fluidity study of AA 7075 unreinforced alloy and Al2O2 reinforced composite” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
29	Ms.Subija E.N., Asst.Prof., ECE Dept.,	ECE	Paper titled “Removal of speckle Noise from OCT Images for ARMD Diagnosis:An Evaluation of Various Filters” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
30	Dr.Soloman P.A., Prof.,	ChE	Paper titled “Dynamic simulation of manufacture of Styrene by the catalytic dehydrogenation of ethyl benzene” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
31	Dr.Soloman P.A., Prof.,	ChE	Paper titled “Assessment of river water quality indices based on various fuzzy models and arithmetic indexing method” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285

32	Mr.Manilal A.M., Asso.Prof.,	ChE	Paper titled “Simulation of methoxy methyl heptanes (MMH) Production using Unisim Design R460.1) accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
33	Dr.Suresh.K.Damodara n., Asso.Prof.,	EEE	Paper titled “Optimal Allocation of renewable Energy Resources in Microgrid Considering Stochastic Behaviour” in the 2020 IEEE International Power and Renewable Energy Conference (IPRECON), Organized by IEEE SB College of Engineering Karunagappalli from 30 th Oct to 01 st Nov 2020.	1400
34	Ms.Binitha Joseph Asst.Prof.,	EEE	Paper titled “Versatile STATCOM for SSR Mitigation and dynamic reactive power management in DFIG based wind farm connected to series compensated line in the 2020 IEEE International Power and Renewable Energy Conference (IPRECON), Organized by IEEE SB College of Engineering Karunagappalli from 30 th Oct to 01 st Nov 2020.	1400
35	Ms.BinithaJoseph, Asst.Prof.,	EEE	Paper titled “Transmission Lines Fault Detection Using Empirical Mode Decomposition” accepted in a Grid connected power system in the 2020 International Conference on power electronics and Renewable energy Applications (PEREA 2020)	1400
36	Dr.Jiji K.S., Asso.Prof.,	EEE	Paper titled “A Lead – Acid Battery charger using Bridgeless configuration of SEPIC PFC converter accepted in the 23 rd International conference on Electrical Machines and systems (ICEMS2020) at Hamamatsu, Japan	24150
37	Ms.M.J.Laly., Asso.Prof., EEE Dept.,	EEE	Paper titled “Optimal design of power system stabilizer for damping low frequency oscillations in a multi-machine power system” accepted in the international conference on Power Electronics and Renewable Energy Applications (PEREA 2020) on Nov 27-28 2020 at GEC Kannur	4500
38	Mr.Binoy B.B., Asst.Prof.,	EEE	Paper titled “Comparative Analysis of single phase Bridgeless Buck Rectifier and single phase multilevel buck rectifier” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
39	Mr.Rameshkumar P., Asst.Prof.,	EEE	Analysis and Implementation of a single-Input Dual-Output Boost-Derived Hybrid Converter for oral presentation in ICFEER 2020 held on 23-24 Sep 2020 at MES College of Engineering Kuttippuram , Malappuram	4500
40	Ajay James., Asst.Prof.,	CSE	attended a workshop on “Orientation workshop on Incubation” under the Scheme Support for Entrepreneur and Managerial Development of MSMEs through incubators” of Ministry of MSME, Govt. of India on 30.01.20 at New Delhi	16369
41	Dr.M.S.Sinith ., Asst.Prof.,	ECE	Paper titled “ Clasification of Indian Classical carnatic music based on Raga using Deep Learning” accepted in	3107

			the international conference on Recent Advances in intelligent computational system (RAICS 2020) from 3-05 Dec 2020	
42	Mr.Job Chunkath., Asso.Prof.,	ECE	Paper titled” Identification of shockware and muzzle blast in a gunshot signal using frequency analysis techniques” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	4760
43	Mr.Sunny T.D., Asst.Prof.,	ECE	Paper titled “Classification of motor Imagery Signals using ANFIS nto Control a Robotic” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5950
44	Dr.Manju M.S.,Asso.Prof.,	ChE	Paper tiled “Preparation and characterization of thermal conductivity enhanced shape stabilized phase change composite for thermal energy storage” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
45	Ms.Jisha V.R., Asso.prof.,	EEE	Paper titled “Harmonic Reduction and power factor improvement of BLDC Motor Drive system using a selective Harmonic Elimination PWM based controller” in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	4760
46	Dr.Mercy Anna Philip., Asst.prof.,	ChE	Paper titled “Ultrasound-assisted synthesis and characterization of sesame –oil based Nanoemulsion” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6285
47	Dr.Renjanadevi B., Prof.,	ChE	A Review on electrical properties of Polymer/zinc Oxide nanocomposites and its application accepted in the national conference –CHEMCON 2020 dec 27-29 2020 at IICHe	1000
				276012

Subject Domain Training for ratification

SL No.	Name of the Faculty Member	Dept.,	Name of The programme	Reg Fee
1	Divya B Mathew., Asst.Prof.,	CE	Attended MOOC Courses for newly joined faculty members (AICTE-NITTTR Chennai)	7000
2	Mr.Jikhil Joseph., Asst.prof.,	CE	Attended MOOC Courses for newly joined faculty members (AICTE-NITTTR Chennai)	4000
3	Ms.Jiji Gopan ., Asst.Prof.,	CE	Attended MOOC Courses for newly joined faculty members (AICTE-NITTTR Chennai)	6000
4	Mr.Deepak B., Asst.Prof.,	CE	Attended MOOC Courses for newly joined faculty members (AICTE-NITTTR Chennai)	8000
5	Mr.Manu Devassy., Asst.Prof.,		Attended MOOC Courses for newly joined faculty members (AICTE-NITTTR Chennai)	6000
6	Dr.Nowshaja P.T., Prof.,	CE	Online Live Industrial Training on ANSYS Software	885

7	Ms.Uma Syamkumar., Asst.Prof.,	EEE	Attended an Online Faculty Development Programme on Tecching and Learning of Control systems from 07 to 13 Aug 2020 organized by Electrical Engineering in association with Teaching – Learning Centre National Institute of Technology , Warangal	750
8	Ms.Uma Syamkumar., Asst.Prof.,	EEE	Attended a Online workshop on Publishing Research articles in Quality Journels, organizes by Institute of management Technology Hyderabad on 23& 24 May 2020	2360
9	Ms.Uma Syamkumar., Asst.Prof.,	EEE	Attended a faculty development programme on Modern Control Techniques in Power and Energy organized by NIT Calicut from 07to 13 Sep 2020	500
10	Dr.Nowshaja P.T., Prof.,	CE	Online Industrial Training on Structural Analysis and Design Using ETABS	885
				36380

Academic support for students

Students –paper Presentation

SL No	Name of the student	Dept.,	Name of The programme	Reg Fee
1	Ms.Sijo Vasu., PhD Scholar.,	EEE	Paper titled “Realizing Autonomous and intelligent Smart Grid Using Multi Agent based control system” accepted in the International conference on power Electronics and Renewable Energy Applications on 27-28 Nov 2020	5000
2	Ms.Sherjah P. Yusuf Li., Research Scholar.,	CE	Delineation of water body from sentinel 2 MSI imagery-A comparative study (paper ID:394) accepted for CEASIDE 2020 under ICETEST 2020	5928
3	Haneena Jasmine P., M.tech student	CE	Paper titled “Machine Learnng applications in Structural engineering - A review accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
4	Ms.Anjali P.Sasidharan., Research Scholar.,	CE	Paper titled “Efficacy of of nanochitosan impregnated polyurethane foam in removing phosphate from aqueous solutions” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
5	Ms.Jismy Antony., Research Scholar.,	CE	Paper titled “comparative study on iron removal using chemically and greenly synthesized zero-valent iron	5928

			nanoparticles accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	
6	Ms.Jasmine Poulouse., M.Tech	ME	Paper titled “simulation analysis of stirring parameters in stir casting of AA7068/VC/B4C Hybrid metal matrix composite using ansys accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
7	Mr.Sayooj K.S., M.Tech.,	ME	Paper titled “Proposing a new design for segmental bone defect (SBD) tibial implant unit Cell accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
8	Mr.Alvin Alex., M.Tech student ,	ME	Paper titled “Computational study of Mach 4.9 flows through a scramjet intake in started mode accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
9	Mr.Jagath J.L., Research Scholar.,	PE	Paper titled “Cloud based data management for experiential products: A case study on Motion pictures accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	6107
10	Ms.Vishnupriya., M.tech Process Control	ChE	Paper titled “preparation of chip type negative temperature coefficient thermistor” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
11	Ms.Athira V.E., M.tech.,	ECE	Paper titled “Bridging the broadband Gap and power up to 5G” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	
12	Asha Farsana M., Research Scholar	CE	Paper titled “Effect of heterogeneity and anisotropy on enhanced spreading in porous media during engineered injection and Extraction accepted in the International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	3500
13	Sherjah P Yusuf Ali., Research Scholar.,	CE	Paper titled indication about the bio-optical status of a water body from its spectrum measured by sentinel 2 MSI (paper ID 252) accepted in the International conference on Hydraulics, Water Resources and Coastal Engineering on 26-28 March 2021 at NIT Rourkela, Odisha	3500
14	Ms.Dimna Denny C., Research Scholar (NDF - 2018)	EEE	Paper titled “Super Twisting Algorithm based slip Ratio control of Electric Vehicles” (paper-ID:74) to “2020 IEEE International Power and Renewable Energy Conference-IPRECON 2020 organize by IEEE IAS student Chapter College of Engineering Karunagappally	1400
15	Ms.Athira V.E., M.tech ,	ECE	Paper titled “ Bridging the Broadband Gap and power up to 5G” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	4403
16	Ms.Anjitha P., M.tech student	ECE	Paper titled “The untapped potential of feature selection for emotion Recognition:Literature Review” accepted in the IEEE international conference on Power Instrumentation control and computing (PICC 2020)	5593
17	Mr.Abdul Vahab	CSE	Paper titled “System Depedence Graph based test case	4700

	Karuthedath., M.tech 3 rd semester ,		generation for object oriented programs” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	
18	Ms.Ambily P.N., Research Scholar.,	ME	Paper titled : Jet Mixing Enhancement of a supersonic twin jet nozzle using rectangular tabs” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	5928
19	Mr.Jerin George., S3 M.tech.,	ME	Optimization of sustainable Elctrical discharge machining using TOPSIS-Entropy weight Method:An Integrated approach” accepted in the International conference on Emerging Trends in Engineering Science and Technology on Dec 17-19 2020 at GEC Thrissur	1500
				89055

Visiting Faculty Programme

Sl No	Name of Expert	Title of the programme	Date	Coordinator of the programme	Dept.,	Amount
1	Mr.Raj Kurup., Director, Enviornmental Engineers International Pvt.Ltd., Melbourne Business School The University of Western Australia	Sustainable Engineering	16.10.2020	Dr.Thajudin Ahamed V.I., Prof.,	ECE	3000
2	Dr.Rajesh Baby., Prof., ME Dept., St.Joseph Pala	Fuel cells :Sustainable Energy of the future	04.11.2020	Dr.Sunil.A..S., Asso.Prof.,	ME	3000
3	Dr.Sandeep Kumar., Research Faculty of University of Nottingham, UK	Fundamentals of CFD	17.10.2020	Dr.Sunil.A.S., Asso.Prof.,	ME	3000
4	Dr.A.K.Mubarak., Asso.prof., GEC Idukki	Gas dynamics and Jet Propulsion	19.11.2020	Dr.Sunil A.S., Asso.Prof.,	ME	4316
5	Dr.Nidhin George , Asst.Prof., IIT Gandinagar	Alpha to Delta of Digital signal processing” for S5 students on signal processing	30.09.2020	Dr.Sinith M.S., Asst.Prof., ECE Dept.,	ECE	3000
						16316

III cell – Expert Talk

Sl No	Name of Resource person	Title of the programme	Date	Coordinator of the programme	Dept.,	Amount
1	Ms.Sreekumari R., Senior Manager R&D, Assyst International Pvt.Ltd., EKM	Recent Trends in Information Technology	14.08.2020	Ms.Lisy E.R., Asso.Prof.,	EEE	2000
2	Mr.Ashiff Khan, ARAMCO Saudi Arabia	Instrumentation and chemical Engineers	25.09.2020	Dr.Subin Poulouse., Asst.Prof.,	ChE	0
3	Mr.Vijoy A., Project Head Honeywell Technology solutions, Bangalore.	Advanced process control ,	07.11.2020	Padmavathy K.S., Asso.prof.,	ChE	0
4	Mr.Sujith Panikar., Director Functional safety and Cyber security consulting ,HIMA Asia Pacific Singapore	Sustainable Development – a life cycle management approach	31.10.2020	Dr.Thajudin Ahamed V.I., Prof.,	ECE	3000
5	Prof.B.M.Muthafa, Scientist, IRTC Palakkad	Sustainable Engineering	12.11.2020	Dr.Thajudin Ahamed V.I.	ECE	3000
6	Dr.G.Shankar, Padmasree Awardee, Founder and Chairman, Habitat Technology Group, Tvm.	Sustainable Engineering–the potential & Promise	07.11.2020	Dr.Thajudin Ahamed V.I.	ECE	3000
						11000

IEEE Membership Reimbursement

Sl No.	Name of the Faculty	Amount (Rs)
1	Dr.Sinith M.S., Asst.Prof., ECE Dept.,	3103
2	Mr.Job Chunkath., Asst.Prof., ECE Dept.,	3315
3	Uma Syamkumar., Asst.Prof., EEE Dept.,	3315
4	Dr.Mercy Anna Philip., Asst.prof., ChE Dept.,	1770
		11503

Maintenance / Upgration of the following Equipment / Software

Sl.	Name of the Item	Dept.	Amount
1	Surface Roughness Tester	523802	PE
2	Upgradation of PSIM Software	1260000	EEE
3	Remote sensing and photogrametry suite	708000	CE
4	Printers	29500	ECE

Maintenance of the following Equipment

Sl.	Name of the Item	Purpose	Dept.	Amount
1	Fire & Safety Equipments	Refilling Materials	Inst.	70200
2	Petrol Engine Test Rig	Maintenance of Petrol Engine Test Rig	ME	150600
3	Laptop	Battery replace	Inst	4400
				225400

Annual Maintenance

Sl.	Name of the Item	Purpose	Dept.	Amount
1	Gas Chromatograph	AMC Charge	ChE	119180
				119180

All activities referred above in this agenda item have been ratified.

6. Any other item permitted by the chair

- Expenditure in connection with patent filing submitted by Mr. Job Chungath , Assoc. Prof. Dept. of PE. Based on the current research work “Performance Enhancement in Filter bank based Multicarrier system” under guidance of Dr. Sheeba V S. A request is made to fund the expenses incurred in connection with the assistance from KSCSTE, Trivandrum for the patent filing process which includes attorney charges in addition to the normal charges. The amount comes to Rs. 70,000/-

The following suggestions / directives were given by BoG during the deliberations.

This proposal cannot be proceeded with as the current work is already published.

The meeting came to an end at 5.15 P.M