

**TECHNICAL EDUCATION QUALITY IMPROVEMENT
PROGRAMME Phase II Sub Component 1.1**



**15th MEETING OF
THE BOARD OF GOVERNORS**

DETAILED AGENDA NOTES

Date: 19-09-2019

Time: 10.00 am

Venue: College of Engineering Karunagappally

**COLLEGE OF ENGINEERING KARUNAGAPPALLY
THODIYOOR P.O., KOLLAM-690523, KERALA**

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Background:

The meeting of Board of Governors is convened regularly to monitor the progress of TEQIP-II activities at CE Karunagappally, under Sub component 1.1, with emphasis to procurement and academic activities, and to accord necessary approvals and clearances for the ongoing activities. Regular activities of TEQIP II were completed in March 2017.

One of the key obligations to be complied with by the institutions under TEQIP II was to create and establish four funds, namely, Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund to ensure that the developmental activities continue beyond the Project period. Each project institution was to build these Funds with annual contribution into each Fund equal to at least 0.5% (total 2%) of annual total recurring expenditure of the institution. Sources could be a definite percentage of fee collection from students, savings from Block Grant, donations from alumni and charitable organizations, IRG including commercial use of facilities, consultancy earnings, consultancy earnings and matching Grants from Government/management on IRG etc. It is, therefore, the institution established the Four Funds. The purpose of these Funds is to ensure sustainability of the reform process beyond the Project Period.

The institution has deposited 2% of the annual recurring expenditure upto 2016-17 equally in all the four funds and other revenue collected from conducting training programmes and conference.

Necessary approvals and clearances are further required from BoG to continue the activities. The 15th meeting of the BoG is being convened on 19th of September, 2019.

The agenda items are given below.

Agenda Items

Silent Prayer

Part 1-Procedural

Sl. No	Items	Page Number
1.1	Confirming the Minutes of the 14 th Meeting of the Board of Governors held on 15-12-2018 at College of Engineering Karunagappally.	5
1.2	Report on the action taken/action pending on the pertinent decisions in the Minutes of the 14 th Meeting of the Board of Governors held on 15-12-2018 at College of Engineering Karunagappally.	6

Part 2-Ratifications and Approvals

Sl. No	Items	Page Number
2.1	Ratification of Expenditure incurred for various activities	8
2.2	FSD Programmes attended but not paid	11
2.3	Approval of students support programmes	11
2.4	Approval of FSD programmes	14
2.5	Approval of Maintenance of Equipment	15
2.6	Approval of Equipment Replacement	17
2.7	Approval for reimbursement of expense incurred on Publications	18
2.8	Extension of Appointment of Contract Staff	22

Part 3 Status Reports

3.1	Status of four funds	23
3.2	Expenditure Status as on 30.08 2019	24
3.3	Status of academic results post the last BoG	25
3.4	Report on other recent achievements of the Institution	26

Part 4- Any other item with the permission of the chair

Sl. No	Items	Page Number
4.1	Other Items	29

Part 5-Annexures

Sl. No	Items	Page Number
5.1	Annexure 1 Minutes of the 14 th BOG meeting held on 15-12-2018	30

Part 1

Procedural Items

1.1 Confirmation of the Minutes of the 14th Meeting of the Board of Governors held on 15-12-2018 at CE Karunagappally

The Minutes of the 14th Meeting of Board of Governors of TEQIP Phase II of CE Karunagappally held on 15-12-2018 was sent to the Chairman for his approval and upon his approval copies were circulated among the other members of the BoG. A copy of the Minutes is appended as **Annexure 1** for confirmation.

Action sought: BoG may consider the Minutes for approval.

1.2 Report on the action taken/action pending on the pertinent decisions in the Minutes of the 14th Meeting of the Board of Governors held on 15-12-2018 at CE Karunagappally

The decisions taken by the BOG as recorded in the Minutes of the 14th Meeting of the Board of Governors of the TEQIP Phase II held on 15-12-2018 have been noted and actions have been initiated. A report on the action taken and actions pending is presented in the Table 1.1 given below

Table 1.1

Item No in Minutes of the 14th BOG	Decision Taken	Action Taken
1.1	The BoG confirmed the approved minutes of the 13 th Meeting	For Information
1.2	Took note of the action taken report and approved	For Information
2.1	The BOG took note and ratified the expenditure incurred under Corpus, FSD and Equipment maintenance funds	No action needed
2.2	The BOG took note the maintenance activities of equipment of various departments	No action needed
2.3	The BOG took note and approved the students support programmes planned for the next six months	Placement training and few industrial programmes amounting to Rs.93,949 were conducted. 8 students from S7 and 15 students from last year are placed.
2.4	The BOG took note and approved the proposals of FSD programmes by various departments	2 in-house programmes were conducted and 10 faculty attended different outstation programmes amounting to Rs.1,01,067.
2.5	The BOG took note and approved the proposals by various departments for repair/maintenance of equipment except those purchased using Non-TEQIP funds.	Maintenance of 4 equipment purchased under TEQIP are done. Equipment purchased using Non-TEQIP funds are exempted. Others are in progress.
2.6	The BOG took note and approved the proposals by various departments for replacing equipment except those purchased	Replacement of 6 batteries in laptops purchased under TEQIP are done. Equipment

	using Non-TEQIP funds.	purchased using Non-TEQIP funds are exempted. Others are in progress.
2.7	The BOG rejected the request of Mr. Anilkumar C V for reimbursement of expense incurred on Journal Publication.	Payment is not done.
2.8	The BoG ratified the appointment of the student Counselor and the remuneration of Rs.800 per day.	Payment is made as per the decision.
2.9	The BoG approved the expense incurred in connection with the accreditation and sanctioned the amount from TEQIP Corpus fund.	Payment is made as per the decision.
2.10	The BoG decided to extend the appointment of the TEQIP staff for a further period of six months with effect from 28.11.2018	The data entry operator is allowed to continue.
2.11	The BoG took note and approved the various TEQIP Committees reconstituted	No action needed
3.1	The BoG noted the balance fund available in the four funds	No action needed
3.2	The BoG noted the status of four fund utilization as on 12.12.2018	No action needed
3.3	The BoG noted the status of Accreditation. The BoG advised the institution to take efforts to tap external funding.	Applied for funding such as MODROBS, TEQIP Funding etc. Funding for Smart Class room conversion of 10 class rooms has been granted from TEQIP since 2 programmes are Accredited.
3.4	The BoG noted the results of even semester	No action needed.
3.5	The BoG noted the proposal to start B.Tech. in Mechanical Engineering	No action needed.
3.6	The BoG noted the recent achievements of the Institution	No action needed.
3.7	The BoG noted the AMP presented	No action needed.

Part 2

Ratification and Approvals

2.1 Ratification of Expenditure incurred for various activities

A) Activities under Corpus Fund

The expenditure for the activities conducted by utilizing Corpus fund are as given below.

Students Programmes conducted from January 2019 to August 2019							
Sl No	Class	Name of the Programme	Number of days	Date	No. of Students	Advance	Expenditure (Rs)
1	S4 and S6 students	Motivation Lecture	2 days	05-02-2019 to 06-02-2019	76 nos.(S4 35 nos., S6 41 nos)	Nil	8,844
2	S8 ECE	Workshop on IOT Devices	3 days	06-02-2019 to 08-02-2019	28	Nil	20,811
3	M.Tech students and S6 B.Tech	Workshop on Python Programming	1 day	19-03-2019	43 nos.(M.Tch-11 nos. and B.Tech-32)	Nil	9,264
4	S7students	Aptitude training	4 days	10-07-2019 to 13-07-2019	34 nos. (CSE-19nos., EEE-7 nos., ECE-8 nos.)	30,500	38,627
5	S2 EC	Industrial Internship at KEL, KMML, BSNL, RTTC, KELTRON etc.	5-7 days	Jun-July 2016	33	Nil	16,403
Total							93,949

Expenditure incurred under IOC from December 2018 to August 2019		
Sl. No	Item	Amount (Rs)
1	14 th BoG meeting	50,014
2	Accreditation Team Visit	49,020
3	Purchase of Printed Cartridge	1,100
4	Salary paid to the TEQIP staff from December 2018 to July 2019	64,000
5	Remuneration Paid to student counselor from December 2018 to May 2019	12,000
Total		1,76,134

Total expenditure under Corpus Fund: Rs. 2,70,083

B) Activities under FSD Fund

The expenditure for the activities conducted by utilizing FSD fund are as given below.

Training Conducted from December 2018 to August 2019						
Sl. No	Name Of Coordinator	Title	Date	Number of participants	Revenue generated	Expenditure (Rs)
1	Dr.Smitha P, Asso. Prof. in CSE	Workshop on Machine Learning Through Python	3 days 23-01-2019 to 25-01-2019	35	7,000	40,673
2	Dr.Ajilkumar A	Faculty Effectiveness Enhancement Training	30-07-2019	32	-	7,906
Total						48,579

Training Attended from December 2018 to August 2019						
Sl. No	Name Of Faculty	Title	Date	Institution/ Organization Name	Advance Amount	Expenditure (Rs.)
1	1. Smt.Deepa T R 2. Smt.Mili Rosline Mathews 3. Smt. Sabeena M 4. Smt.Shiny C	Demystifying Machine Learning DML 2018	5 days , 10-12-2018 to 14-12-2018	Amritha Vishwa Vidyapeetham	Nil	6,364 6,404 6,364 6,404
2	Smt. Libi A, Asst. Prof. in EEE	National Workshop on Delve into the Future of Electrical Vehicles	2 days, 15-03-2019 to 16-03-2019	National Institute of Technology, Calicut	Nil	7,274
Total						32,810

Total expenditure under FSD Fund: Rs.81,389

C) Activities under Equipment Maintenance Fund

Sl No.	Name of Equipment	No. of items	TEQIP/ Non-TEQIP	Repair/Maintenance	Estimate in Rs	Actual Amount (Rs)
1	125 KVA Diesel Generator	1	TEQIP	Maintenance	14,000	9,676
2	Drilling Machine	2	TEQIP	Repair	2,000	2,313
3	ID Card Printer	1	TEQIP	Repair	1,000	1,000
4	Projector	1	TEQIP	Repair	10,000	9,200
Total						22,189

Total expenditure under Equipment Maintenance Fund: Rs. 22,189

D) Activities under Equipment Replacement Fund

Sl No.	Name of Equipment	No. of items	TEQIP/ Non-TEQIP	Repair/Replace	Estimate in Rs	Actual Amount (Rs)
1	Laptop battery	i5 - 4nos. i7 - 2nos.	TEQIP	Replaced	15,400	14,000
Total						14,000

Total expenditure under Equipment Replacement Fund: Rs.14,000

Action sought: BOG may kindly take note and ratify the expenditure incurred under Corpus, FSD, Equipment maintenance and Equipment Replacement funds post the last BoG meeting.

2.2 FSD Programmes attended but not paid

The following faculty attended Faculty Development Programmes which are useful for their research work and teaching.

Sl. No	Name of Faculty	Title of Programme	Date/ Duration	Institution	Claimed Amount		
					Reg. Fee	TA/ DA	Total
1	Smt.Geetha S, Asst. Prof. in CSE	Indo-Swedish Seminar on Analytical Biology and Machine Learning in Cancer Research	1 day, 13-05-2019	Regional Cancer Center, Thiruvanantha puram	1,500	1,920	3,420
	Dr. C Gopakumar, Aso Prof. in ECE				1,500	2,030	3,530
	Smt. Sabeena K, Asst. Prof. in CSE				1,500	1,920	3,420
2	Smt.Geetha S, Asst. Prof. in CSE	Deep Learning Unfolded	4 days, 27-05-2019 to 31-05-2019	Amritha Vishwa Vidyapeetham, Amrithapuri	4,150	504	4,654
	Smt. Sabeena K, Asst. Prof. in CSE				4,150	504	4,654
Total							19,678

Action Sought: BOG may kindly take note and approve the expenditure incurred in attending the Faculty Development programmes

2.3 Approval of students support programmes

The students support programmes planned for the next six months by different departments, approved by the Academic Committee and Finance Committee are given in the tables below. The expenditure for these programmes will be booked under Corpus fund.

EC Department- Training for students					
Sl No	Area or Title of the programme	Sem	Duration	Proposed date	Estimate in Rs
1	Workshop on IOT	S3, S5	3 days	Dec 2019	26,000
2	Workshop on open hardware	S3, S5	3 days	Oct 2019	30,000
3	Counselling/Mentoring classes	S1, S3, S5	1 day	Oct 2019	21,000
4	Start up/Entrepreneurship classes	S7	2 days	Nov 2019	25,000
5	Remedial classes	All	50 hrs	Sep-Nov 2019	30,000
Total					1,32,000

CS Department- Training for students					
Sl No	Area or Title of the programme	Sem	Duration	Proposed date	Estimate in Rs
1	Python for Beginners	S1	3 days	Oct 2019	15,000
2	Animation and Multimedia Workshop	S1	3 days	Nov 2019	15,000
3	Remedial classes	All	30 hrs	Oct-Nov 2019	18,000
Total					48,000

EE Department- Training for students					
Sl No	Area or Title of the programme	Sem	Duration	Proposed date	Estimate in Rs
1	Industrial Automation workshop	S7	2 days	Nov 2019	12,000
2	Industrial Tutoring-CDAC	S5	1 day	Oct 2019	7,000
3	Industrial Tutoring-ANERT	S7	1 day	Oct 2019	7,000
4	Industrial Tutoring-EMC	S3	1 day	Nov 2019	6,000
5	Remedial classes	All	77 hrs	Sep-Nov 2019	46,200
6	Student Counselling	All	Fridays	Sep-Nov 2019	12,000
Total					90,200

Placement Training Programmes for Students

Sl. No	Topics Covered in Training	Sem/Year	Proposed dates	Estimate in Rs
1	Developing English language skill Resume preparation Aptitude and reasoning Group discussion Soft-skill development	First year students	06.01.2020-11.01.2020 (6-days)	48,000
2	Resume Preparation as per the company's requirement Aptitude and Reasoning Group Discussion, soft skill development Trial GD & Mock Interview (pre- preparation) Self-employment & Entrepreneurship Development Career and Higher Educational Guidance Career options-vision setting Coding and programming	Second year students	06.01.2020-11.01.2020 and 13.11.2020 (7-days)	56,000
3	Professional Resume Writing Aptitude and Reasoning Group Discussion Preparing for Interview (Interview Skills) Preparing for Technical Round Preparing for HR Round (personal interview) Trial GD & Mock Interview (pre preparation) Self-employment & Entrepreneurship Development Coding and programming	Third year students	13.01.2020-18.01.2020 and 20.01.2020 (7-days)	56,000
4	Aptitude and soft skill development Company based interview Coding and programming Branch specific skill development programs	Final year students (14-days)	13.08.2019-15.09.2019, 17.09.2019, 19.09.2019 and 30.09.2019 13.01.2020-18.01.2020 20.01.2020-22.01.2020	1,12,000
Total				2,72,000

Action Sought: The BOG may kindly note and approve the students support programmes planned for the next six months

2.4 Approval of FSD programmes

The detailed proposal of outstation FSD programmes planned for the next 6 months by different departments are given in the table below:

Outstation FSD programmes planned					
Electronics and Communication Department					
Sl No	Name of Faculty Members	Area	Name of Institutions	Tentative Time	Estimate in (Rs)
1	Two Faculty	AI	IIT/NIT/Similar Institutions	Oct 19-Jan 20	20,000
2	Two Faculty	Image Processing	IIT/NIT/Similar Institutions	Oct 19-Jan 20	20,000
3	Two Faculty	Deep Learning	IIT/NIT/Similar Institutions	Oct 19-Jan 20	20,000
4	Two Faculty	Communication Engineering	IIT/NIT/Similar Institutions	Oct 19-Jan 20	20,000
5	Two Faculty	Optimization problems	IIT/NIT/Similar Institutions	Oct 19-Jan 20	20,000
Total					1,00,000
Electrical and Electronics Department					
	Institutions	Area	No. of Faculty Members	Tentative Time	Estimate in Rs
1	IIT/NIT/Similar Institutions	One programme for each faculty	8	Oct 19-Jan20	80,000
Total					80,000
General Engineering and Applied Science Department					
	Institutions	Area	No. of Faculty Members	Tentative Time	Estimate in Rs
1	IIT/NIT/Similar	Thermal Engineering	2	Nov19-Jan20	20,000

	Institutions				
2	IIT/NIT/Similar Institutions	Management/Economics	2	Nov19-Jan20	20,000
3	IIT/NIT/Similar Institutions	Applied Physics	1	Nov19-Jan20	10,000
4	IIT/NIT/Similar Institutions	Non-linear Mathematics	3	Nov19-Jan20	30,000
Total					80,000

Electronics and Communication Department - Inhouse FSD programmes planned					
No	Coordinators	Course Name	No. of Faculty Members	Tentative Time	Estimate in Rs
1	Dr. Gopakumar	Embedded Systems Developement	40	5 days-Dec 2019	60,000
2	Smt. Shiny C	Advanced Communication Engg.	40	5 days- Jan 2020	60,000
Total					1,20,000
In-house Staff Development Programme planned					
No	Coordinators	Course Name	No. of Staff Members	Tentative Time	Estimate in Rs
1	Smt.Sunitha K Cherian and Smt. Sandhya Murali	Development of Behavioral Skills	30	3 days-Dec 26-28, 2019	40,000
Total					40,000

Action sought: The BoG may kindly note and approve the proposals of FSD programmes by various departments for the next six months.

2.5 Approval of Maintenance of equipment

The detailed proposals by various departments for repair/maintenance of equipment to be done for the next six months are given in the table below.

Maintenance of equipment					
EC Department					
Sl No.	Name of Equipment	No. of items	TEQIP/Non-TEQIP	Repair/ Maintenance	Estimate in Rs
1	Drilling machine	2	TEQIP	Repair	5,000
2	Laser Printer, (Canon make, Model: LBP 2900 B)	4	TEQIP	Repair	9,000

3	Desk top Computers with i5 processor (Dell make)	10	TEQIP	Repair	40,000
4	PLC trainer	1	TEQIP	Repair	6,000
5	Laptop, Toshiba make, i5	4	TEQIP	Repair	15,000
6	3D printer	1	TEQIP	Repair	3,000
7	AWM-490V1 Wireless Microphone (Ahuja make)	2	TEQIP	Repair	2,500
8	Voice Amplifier Teaching Microphone	1	TEQIP	Repair	1,500
9	Flat panel Monitor for Dell Desk top Computer	5	TEQIP	Repair	20,000
Total					1,02,000
CS Department					
1	Laser Printer, Canon	5	TEQIP	Not Working	5,000
2	UPS 10KVA 6KVA	2 1	TEQIP	Not Working	30,000
3	AC condenser (Copper)	7	TEQIP	Aluminium condenser leakage – Not working	70,000
Total					1,05,000
EE Department					
1	Digital IC Kit	10	TEQIP	Repair	5,000
2	Earth fault relay	1	TEQIP	Repair	5,000
3	PE Lab Kit	1	TEQIP	Maintenance	5,000
4	Service of Desktop Computers	10	TEQIP	Maintenance	14,000
Total					29,000
Institution					
1	Canon Photocopier (60,000 Copies)	1	TEQIP	AMC Renewal-1 Year (Inc GST)	22,800
2	Canon Photocopier (30,000 Copies)	2	TEQIP	AMC Renewal-1 Year (Inc GST)	25,200
Total					48,000
Grand Total					2,84,000

Action sought: The BoG may note and approve the proposals by various departments for repair/maintenance of equipment to be done

2.6 Approval of Equipment Replacement

The proposals by various departments for replacing equipment, approved by the Procurement Committee and Finance Committee are given in the table below.

Replacement of Equipment					
Sl No.	Name of Equipment	No. of items	TEQIP/Non-TEQIP	Repair/Replace	Estimate in Rs
EC Department					
1	Battery, Tubular, 12V, 100 Ah	20	TEQIP	Crossed 5 years of usage and are to be replaced	2,00,000
Total					2,00,000
CS Department					
1	Motherboard Dell la0531 optilex-7010	2	TEQIP	Not Working, need replacement	16,000
2	Processor intel i5-3470	1	TEQIP	Not Working, needs replacement	9,000
3	Harddisk Seagate 500 GB	1	TEQIP	Not Working, needs replacement	2,000
4	Mouse Dell	3	TEQIP	Not Working, need replacement	1,800
5	CMOS Battery	100	TEQIP	Not Working	3,000
6	Memory(RAM) DDR3 4 GB	15	TEQIP	Not Working, need replacement	37,500
7	Battery, Tubular, 12V, 100 Ah	20	TEQIP	Crossed 5 years of usage and are to be replaced	2,00,000
Total					2,69,300
EE Department					
1	Rheostat 750 Ohm, 2 A	2	TEQIP	Needs replacement	22,000
2	Rheostat 55 Ohm, 5 A	2	TEQIP	Need replacement	10,000
3	Rheostat 100 Ohm, 1.1 A	3	TEQIP	Need replacement	15,000
4	Wattmeter	11	TEQIP	Beyond repair	30,000
5	Ammeters	6	TEQIP	Beyond repair	7,000
6	Voltmeter	8	TEQIP	Beyond repair	10,000
Total					94,000
Grand Total					5,63,300

Action sought: The BoG may note and approve the proposals by various departments for replacing equipment.

2.7 Approval for reimbursement of expense incurred on Publications

22 papers were presented by Faculty, UG and PG students of the institution at different conferences in 2019 and out of these, 21 papers were published in International Journal of Engineering Science and Research Technology. They have requested to reimburse the Registration fee paid for presenting the papers in the Conferences.

Sl. No.	Title of Paper	Author	Publisher	Venue	Date	Claimed Expenditure- Regn. Fee
1	Smart Board	Reshmi R V Naseef Nizar, Prasidh J S, B.Tech Students, Dept. EC Smt.Shiny C, Asst. Prof. in ECE, CE Karunagappally	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20,21 March 2019	1,500
2	Dam Management	Abilash Krishnan R, Sabu P, Vishnu Narayan S, B-Tech Students, Dept of ECE Jayasree K R, Asst. Prof. in ECE, CE Karunagappally	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20,21 March 2019	1,500
3	Self Driven Transporting Vehicle for Institution Campus	Harshana E , Karthika M, Kavitha P, B-Tech Students, Dept of ECE Dr.C Gopakumar, Asso. Prof. in ECE, CE Karunagappally	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20-22 March 2019	1,500
4	Advanced Hydroponic Sytem with Morbific leaf Detection	Deepa Mariyam Thanlathan, Pournami B S, Sreelekshmi R., B-Tech Scholars, Dept of ECE Smt.Mili Roseline Mathews, Asst. Prof. in ECE	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20 March 2019	1,500
5	Smart Helmet	Maneesha Krishnan, Assistant Professor in Electronics and Communication Engineering, C E	International Journal of Engineering Science and Research	2 nd National Conference on Emerging trends in Electronics and Communication	20-21 March 2019	1,500

		Karunagappally, Surya S, Swathy S, Krishna A, B.Tech Students, CE Karunagappally	Technology	Engineering College of Engineering Perumon		
6	Safe Sole Distress Shock System for Female Security	Deepa T R., Assistant Professor in Electronics and Communication Engineering,, Arathy Soman, S Karthu Krishnan, Thahseema Thajuddeen B.Tech students, C E Karunagappally	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20-21 March 2019	1,500
7	Cleaned EEG Signal : Automatic EEG Artifact Removal for Brain Monitoring	Govind M, PG Student , Deepa T R., Assistant Professor in Electronics and Communication Engineering, CE Karunagappally,	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20-21 March 2019	1,000
8	Unmanned Robotic Search and Rescue Boat	Seena Susan George, Nidhi Retnan B.tech Student, CE Karunagappally, Shanu N, Assitant Professor in Electronics and Communication Engineering, CE Karunagappally	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20-21 March 2019	1,500
9	Inclusive Polling Paltform:An Aadhar Polling Platform for Migrant Labourers and Non Resident Indians	Smt.Amina, Asst. Prof. in ECE, Anupama Anand, Sreelekshmi P R, Sulsha N	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20-21 March 2019	1,500
10	Under Ground Cable Fault Detection Robot	Smt.Shafana mol M I,Asst. Prof. in ECE	International Journal of Engineering Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon	20-21 March 2019	1,250
11	Prostate cancer Grading-A	Mannesh m, PG Scholar , CE		1 st National conference on	22 March	1,500

	review on Histopathology Images	Karunagappally Dr.Smitha P, Asso. Prof. in CSE, CE Karunagappally,Dr.Sujathan K	----	recent Scientific research in Engineering and technology John Cox Memorial CSI Institution and Technology and TECHOWN	2019	
12	A Review on Vehicle Detection Techniques in Digital Image Processing	Aswathy s Madhu, PG Scholar,ECE Smt.Shiny C, Asst. Prof. in ECE, CE Karunagappally	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
13	Various Image Compression Techniques : A Review	Arya G S,PG Students, ECE Smt.Shiny C , Asst. Prof. in ECE, CE Karunagappally	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
14	A review on Noise and ISI Reduction Methods Using Different Signal Processing Techniques	Veena Prasad, PG Student C E Karunagappally, Smt.Deepa T R, Assistant Professor in Electronics and Communication Engineering,	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
15	A review on various Stegeganography Methods	Athira K J, PG Student C E Karunagappally, Deepa T R, Assistant Professor in Electronics and Communication Engineering, C E Karunagappally	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
16	A review on Binary	Sheethal Thampi, Hima Dileep, P G	International Journal of	3 rd National Conference in	29,30 March	1,500

	Classification of Alzheimer's Disease using Convolutional Neural Networks	Students, Mili Roseline Mathews, Assistant professor in Electronics and Communication Engineering, C E Karunagappally	Engineering Science and Research Technology	Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	2019	
17	A review on Down Syndrome Detection using Chromosome Image Classification	Neethupriya, PG student, CE Karunagappally, Smt.Mili Roseline Mathews, Assistant professor in Communication Engineering, C E Karunagappally	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
18	A survey on facial Image Recognition and Reconstruction	Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally, Resma M S, PG student	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
19	Anti Theft Protection of vehicle	Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally, Abhirami K A, Ansu Ashokan, Haritharaj J	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
20	A Review on Plant Species Classification using Deep Learning	Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally, Sreeja S Kurup	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
21	A Review on	Smt.Sabeena M,	International	3 rd National	29,30	1,500

	Indian Traffic Sign Recognition Methods	Asst. Prof. in ECE, CE Karunagappally, Divya P	Journal of Engineering Science and Research Technology	Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	March 2019	
22	A Review on Mammographic Classification	Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally	International Journal of Engineering Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT-19 Department of Computer Science and Information technology	29,30 March 2019	1,500
					Total	33,000

Action sought: The BoG may kindly note and approve for reimbursement of the expenses incurred on publications by faculty and students of various departments.

2.8 Extension of Appointment of Contract Staff

In the last BOG meeting held on 15.12.2018 it was decided to continue the service of the data entry operator for the next six months on a daily basis limited to a remuneration of Rs.8000 per month. She completed six months on 27.5.2019. In order to continue the TEQIP activities the service of a staff is required. The staff who is presently working is very familiar with the activities of TEQIP. Considering these, the service of the present staff may be extended further with effect from 28.5.2019. The remuneration of the staff for the months June and July 2019, Rs,8,000 each was also paid subject to the ratification of the same by the BOG.

Action sought: The BoG is kindly requested to take suitable decisions on the extension of appointment of TEQIP staff with effect from 28.5.2019 and also requested to ratify remuneration paid to the staff for two months.

Part 3

Status Reports

3.1 Status of four funds

The status of the fund available in the four accounts as on 16th September 2019 is as given below.

SI No	Name of Account	Amount (Rs)
1	Corpus Fund	6,16,362
2	Faculty and Staff Development Fund	6,05,627
3	Equipment Replacement Fund	6,78,114
4	Maintenance Fund	6,36,176
	Total	25,36,279

The interest received after the last BOG meeting to the four funds is as given below:

SI No	Name of Account	25 Dec 2018	25 Mach 2019	25 Jun 2019	Total Interest (Rs)
1	Corpus Fund	7,540	6,767	6,543	20,850
2	Faculty and Staff Development Fund	5,821	5,570	5,322	16,713
3	Equipment Replacement Fund	5,886	5,872	5,829	17,587
4	Maintenance Fund	5,734	5,586	5,518	16,838
	Total				71,988

Action Sought: The BOG may kindly note balance fund available in the four funds.

3.2 Expenditure Status as on 31.08.2019

The expenditure status as on 31.08.2019 using the four funds is as given below.

Name of Fund	Category of expenditure (Head of expenditure)	Sub-Activity	Total expenditure upto 12.12.2018	Total expenditure from 13.12.2018 To 30.8.19	Total cumulative expenditure upto 30.8.2019
Corpus Fund	Academic support for students	Expenditure incurred on research projects taken by UG/PG students	0	0	0
		Expenditure incurred on research publications	0	0	0
		Remedial Class	0	0	0
		Visiting Faculty	0	0	0
		Industry Institute Interaction	83,592	46,478	1,30,070
		Skill Development & Others	25,156	1,08,491	1,33,647
		Total	1,08,748	1,54,969	2,63,717
	Incremental operating cost	Salary	51,910	64,000	1,15,910
		BoG meetings	37,540	50,014	87,554
		Stationary and other expenses	20,909	1,100	22,009
		Others	0	0	0
		Total Utilisation from Corpus Fund	2,19,107	2,70,083	4,89,190
Faculty Development Fund	FSD	Expenditure on faculty members attended training in subject domain	3,384	25,536	28,920
		Expenditure on faculty members attended pedagogical training	0	0	0
		Expenditure on organising inhouse subject area training programmes/workshops/seminars/conferences etc	8,520	48,579	57,099
		Expenditure on participation by faculty in external seminars/conferences/workshops etc	0	7,274	7,274
		Expenditure on staff development	0	0	0
		Others	0	0	0
		Total	11,904	81,389	93,293
Equipment Replacement Fund	ERF	Equipment	0	14,000	14,000
		Books	0	0	0
		Software	0	0	0
		Furniture	0	0	0

		Others	0		
	Total		0	14,000	14,000
Equipment Maintenance Fund	ECMF	Equipment Maintenance	33,000	22,189	55,189
		Civil Works	0	0	0
		Others	0	00	
	Total		33,000	22,189	55,189
Grand Total			2,64,011	3,87,661	6,51,672

Action Sought: The BOG may kindly note the status of four fund utilization as on 30.08.2019.

3.3 Status of academic results post the last BoG

B.Tech odd/even semester 2018-19 results of all the branches are as given below:

Branch	Semester	No of students appeared	No. of students passed	Pass Percentage In Even Sem Jan-April 2019	Pass Percentage In Odd Sem Aug-Dec 2018
EC	S2	9	4	44.4	66.6
	S4	29	12	41.3	34.4
	S6	36	9	25.0	33.3
	S8	31	21	67.7	41.9
CS	S2	29	11	37.9	37.9
	S4	36	8	22.2	25.0
	S6	38	19	50.0.	39.4
	S8	41	27	65.8	53.6
EE	S2	24	8	33.3	45.8
	S4	35	18	51.4	42.8
	S6	42	16	38.0	23.8
	S8	41	32	78.0	51.2
Overall	S2	62	23	37.0	45
	S4	100	38	38.0	34.0
	S6	116	44	37.9	31.8
	S8	113	80	70.7	49.5

Action Sought: The BOG may kindly note the results of odd/even semesters.

3.4 Report on other recent achievements of the Institution

1. IEEE SB CEK In association with IEEE NPSS/PELS Jt.SB Chapter organized a Distinguished Lecture Programme (DLP) on “ Radiation Detection for International Borders” by Dr. Richard Kouzes , Laboratory Fellow, Pacific Northwest National Laboratory (PNNL) USA and a session on nuclear powerplant , its construction and safety precautions by A V Satheesh, Scientific Officer, Kudankulam Nuclear Powerplant.
2. IEEE SB CEK conducted a Quiz Competition “Quest” in association with Kerala IA/IE/PELS Jt. Chapter as a part of WIE Insight.
3. IEEE Computer Society Student Branch Chapter in association with IEEE Technical Quality Improvement Programs organized a 3-Day Content Management System(CMS).
4. IEEE Women in Engineering Affinity Group CEK, in association with IEEE IAS conducted “SHE TECH” as a part of International Women’s Day Celebration consisted of technical talks, idea pitching, managerial skill development and aurduino.
5. IEEE PES SB CEK conducted a solar installation workshop and 1-Day Introduction Workshop on Solar Installation under PES MDI Project.
6. PES MDI Project sponsored by IEEE PES Kerala Chapter continuing education in rural areas for senior school girls. 3 schools from Kollam District:
 - a. GHSS Thazava
 - b. GHSS Thodiyoor
 - c. GHSS Sankaramangalam
7. Energy Efficient Lighting for BPL families is a humanitarian project done by IEEE SB CEK as a part of PES MDI Project. Energy Efficient Lighting support were given for 100+ families.
8. IEEE SB CEK in association with IAS, PES and RAS conducted a 3-Day Robotics Hands-on-training for first year students “IEEE Technical Quality Improvement Programs 2019 Edition”. It consist of Introduction to basic boards, controllers, motors, G-Code, RF and Bluetooth controllings.
9. IEEE Student Branch received US \$1300 as MDI(Member Driven Initiative) fund for the following project proposals:
 - a. “WOMANIA”- (US \$500)

This event focuses on imparting the uneducated women, required knowledge about wiring and assembling electrical equipments. It is bound responsibility to mould and flourish all the sections of womanhood through radiating technology.

- b. “Exhibition of Energy Efficient Technologies and Renewable Energy Awareness Lecture for School Students”- (US \$800)

Exhibition of energy efficient technologies and Renewable energy awareness lecture for school students is a new initiative of Power& Energy Society. We are planning to conduct it for school students to create awareness of Renewable energy and to give them an opportunity to observe energy efficient technologies through the exhibition. This event will create awareness about Renewable energy in school students, enabling them to understand the benefits of using Renewable energy, saving energy and giving more power to the future.

- 10. IEEE SB CEK has won the most coveted IEEE Region 10 (Asia-Pacific Region is the largest region) EXEMPLARY STUDENT BRANCH AWARD 2019. It has been twice in a row and the only SB in Kerala to win IEEE Region 10 EXEMPLARY AWARD consecutively(2018 & 2019).
- 11. Er. Sabeena K, Counselor and WIE Co-ordinator, IA/IE/PELS Jt. Chapter,Kerala, IEEE SB CEK won IEEE MGA Global Outstanding Branch Counselor Award 2019.
- 12. Anandhu S Kumar, Former SB Chair won IEEE PES Kerala Chapter Outstanding Student Volunteer Award 2017
- 13. Sri Raju M was awarded 2018 IEEE Kerala Section Outstanding Student Branch Counsellor Award for his contributions while serving as the branch counsellor of IEEE SB of this institution.
- 14. Smt. Sabeena K, Assistant Professor, CS is selected as the WIE Coordinator of IAS/IES/PEL Jt. Chapter Kerala Section Executive Committee, 2019
- 15. IEEE Power and Energy Society SB Chapter ranked 5 th in the world in PES student membership 2018
- 16. IEEE CEK Student Branch was awarded most promising SB of Kerala section in the Annual General Meeting of the IEEE Kerala Section
- 17. IEEE PES SB chapter, CEK won High Performing SB chapter award, 2017 and positioned No.1 in Kerala, No. 8 in Asia Pacific region and No. 14 globally

18. Hariprasad, S7 EEE and Akshay Krishnan, S7 CSE are selected as Student Coordinator-Travancore Hub and Webmaster respectively of the IEEE Student Executive Committee for 2019
19. Akhilahammed N, Archa S Sudhi and Sajna Mohammed were selected as PES activity coordinator Travancore hub, content writer and EC coordinator respectively of student execom 2019, PES Kerala chapter
20. Four student members of IEEE (Sajna Mohammed, Varsha B S, Nima S S and Aparna P V), among the 37 recipients all over the world, have secured US\$ 80 each as travel grant for attending the Women In Engineering International Leadership Summit
21. Akshay Krishnan, Web master, IA/IE/PELS Jt. Chapter, Kerala section is offered travel grants for attending IAS Annual General meeting at Baltimore, USA from Sept 29- Oct 3 2019
22. Sherin Cherian and Sajna Mohammed were awarded IAS Travel Grant to attend WIE International Leadership Summit, Beijing China
23. The web site designed by Akshay Krishnan, Web master, IA/IE/PELS Jt. Chapter, Kerala section & IEEE SB Chapter CEK Chair won first prize in IAS global web site contest, 2019
24. Akshay Krishnan, Hari Prasad, AkhilAhammed and Jayaraj N R secured second position in a National level hackathon “Lumino” held at SB Jain Institute of Technology, Management and Research, Nagpur on 19/3/2019

Part 4- Any other item with the permission of the chair