

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



**16th MEETING OF
THE BOARD OF GOVERNORS**

MINUTES

Date: 04-12-2020

Time: 10.00 am

Venue: College of Engineering Karunagappally

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

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Minutes of Sixteenth Meeting of Board of Governors

Presided by

Hon'ble Chairman: Prof. V.P.N. Nampoori

Venue: Conference Hall

Date: 04 December 2020

Time: 10.00 AM

Members Present

1. Prof (Dr) V.P.N Nampoori, Chairman
2. Dr.Suresh Nair, Managing Director, Biophoton Technologies Pvt. Ltd
3. Mr.Ajayakumar, Additional Secretary, Higher Education Department
4. Dr.Ramesh Unnikrishnan, Senior Director, AICTE
5. Dr.Vrinda Nair, SPFU Director
6. Prof. (Dr) V P Devassia, Additional Director IHRD (Retd)
7. Prof (Dr). Jyothiraj V.P Principal
8. Dr. AjilKumar.A, HOD, ME, Member
9. Prof. Manoj Ray D, Associate Prof. CS, Member

The following members of the BOG conveyed their inability to attend the meeting.

1. Prof.(Dr). Suresh Kumar.P, Director, IHRD
2. Smt.Sreeja, Finance, Government of Kerala (State Govt Nominee)
3. Dr.Praveen, Registrar, KTU

Also present

1. Dr. Binu V.P, HOD, Computer Science and Engineering
2. Dr. Gpakumar C, HOD, Electronics and Communication Engineering
3. Prof. Libi A, HOD Electrical and Electronics Engineering
4. Prof. Ajitha Kumari, Academic Coordinator
5. Dr. Shajy L, Finance Coordinator
6. Dr. Smitha P, R and D Coordinator
7. Prof. Manoj Ray D, Procurement Coordinator
8. Prof. Baiju V, III Cell Coordinator
9. Prof. Shanu, EAP Coordinator

Agenda Items

Silent Prayer

Part 1-Procedural

Sl. No	Items
1.1	Confirming the Minutes of the 15 th Meeting of the Board of Governors held on 19-9-2019 at College of Engineering Karunagappally
1.2	Report on the action taken/action pending on the pertinent decisions in the Minutes of the 15 th Meeting of the Board of Governors held on 19-9-2019 at College of Engineering Karunagappally

Part 2-Ratifications and Approvals

Sl. No	Items
2.1	Ratification of Expenditure incurred for various activities
2.1.1	Student Training Programmes conducted /settled from September 2019 to November 2020
2.1.2	Expenses under IOC from September 2019 to November 2020
2.1.3	Remedial Classes conducted
2.1.4	Reimbursement of expenses incurred on Publications
2.2	Ratification of Expenditure incurred for various activities under FSD Fund
2.3	Ratification of expenditure under Equipment Maintenance Fund
2.4	Ratification of expenditure under Equipment Replacement Fund
2.5	Expenditure Summary as on 30.11.2020
2.6	Activities in progress
2.6.1	Replacement of UPS batteries
2.6.2	Approval for the payment of cost of publication in Hindu daily
2.7	Approval for students support programmes
2.8	Approval for FSD programmes
2.8.1	In-house FSD programmes planned
2.8.2	Outstation FSD programmes planned

2.9	Approval of Maintenance of equipment
2.10	Approval of Equipment Replacement
2.11	Extension of Appointment of Contract Staff
Part 3 Status Reports	
3.1	Status of academic results post the last BoG
3.2	Status of placements post the last BoG
3.3	Inspection report by SPFU
3.4	Report on other recent achievements of the Institution

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

Sl. No	Items
4.1	Other Items

The Meeting started at 10.00.AM under the presidency of the Hon'ble Chairman with a silent prayer followed by welcome address by the Principal.

Principal Dr Jyothiraj V P welcomed all the members and special invitees. A brief report was made by the Principal on the various activities related to TEQIP. She also provided a brief report about the agenda of the meeting

Part 1 Procedural Items

1.1 Confirmation of the Minutes of the 15th Meeting of the Board of Governors held on 19-9-2019 at CE Karunagappally

The Minutes of the 15th Meeting of Board of Governors of TEQIP Phase II of CE Karunagappally held on 19-9-2019 was sent to the Chairman for his approval and upon his approval copies were circulated among the other members of the BoG Based on the discussions, the Board of Governors confirmed the approved minutes of the BOG meeting held on.

1.2 Report on the action taken/action pending on the pertinent decisions in the Minutes of the 15th Meeting of the Board of Governors held on 19-9-2019 at CE Karunagappally

The decisions taken by the BOG as recorded in the Minutes of the 15th Meeting of the Board of Governors of the TEQIP Phase II held on 19-9-2019 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 15th BOG	Decision Taken	Action Taken
1.1	The BoG confirmed the approved minutes of the 14 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, Equipment maintenance and Equipment Replacement funds	No action needed
2.2	BOG took note and approved the expenditure incurred for attending the Faculty Development programmes	Payment is done
2.3	The BOG noted and approved the students support programmes planned	Placement training and motivation talk amounting to Rs.1,14,340 were conducted. 55% students from last year are placed.
2.4	The BOG took note and approved the proposals of FSD programmes by various departments	2 inhouse programmes were conducted and 6 faculty attended different outstation programmes. Due to Covid 19 more programmes could not be conducted. However, all the faculty attended online courses by Coursera, SWAYAM etc.
2.5	The BOG took note and approved the proposals by various departments for repair/maintenance of equipment	Maintenance of 4 equipment purchased under TEQIP are done. Others are in progress.
2.6	The BOG took note and approved the proposals by various departments for replacing equipment	Replacement of 2 items purchased under TEQIP are done. Replacement of 40 batteries for UPS is in committed stage. Others are in progress.
2.7	The BoG noted and approved for reimbursement of the expenses incurred on publications by faculty and students of various departments. BoG suggested to give training to students in IPR and Patenting.	Payment is not done. Training to students in IPR and Patenting is planned now.

2.8	The BOG decided to extend the appointment of the TEQIP staff for a further period of 179 days with effect from 28.5.2019 and engage after a break depending on necessity. After discussions, the BOG decided to enhance the daily remuneration of the TEQIP staff to Rs.740 per day as per the GO(P)No.81/2019/Fin dated 09/07/2019 , limiting to Rs.9000/- per month	Payment is done as per the decision.
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 30.08.2019	No action needed
3.3	The BoG noted the results of odd/even semesters	No action needed
3.4	The BoG noted the recent achievements of the Institution	No action needed.
4.1	The BOG approved the proposal to conduct the colloquium	The colloquium was conducted

BOG took note of the action taken since the last meeting.

Part 2 Ratification and Approvals

2.1 Ratification of Expenditure incurred for various activities under Corpus Fund

2.1.1 Student Training Programmes conducted /settled from September 2019 to November 2020

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

Students Programmes conducted /settled from September 2019 to November 2020						
Sl No	Class	Name of the Programme	No of days	Date	No. of Students	Expenditure (Rs)
1	S7 B.Tech students	Placement training	7 days	Aug . 6,7,8,17,19 and Oct.16,17 2019	107nos.(CSE 38 nos., EEE 36 nos., ECE 33 nos)	41,200
2	First year B. Tech Students	Motivational Class for first year students	1 day	18-02-2020	79 nos.(CS 45 nos., EC15nos., EEE 19 nos.)	4,810

3	B.Tech Students	Placement training	8 days	Feb 17-20,2020 and 24-27, 2020	S6 87 (EC 29 nos., EEE 23 nos. CSE 35) S4 59 nos. (EC 12 nos., EE 24 nos., CSE 23 nos.) S2 104 nos. (EC 42 nos., CSE 44 nos., EEE 18 nos.)	68,330
Total						1,14,340

Decision: The BOG took note and ratified the expenditure incurred for Student Training Programmes conducted.

2.1.2 Expenses under IOC from September 2019 to November 2020

Expenditure incurred under IOC from September 2019 to November 2020 is as given below

Expenditure incurred under IOC from September 2019 to November 2020		
Sl. No	Item	Amount (Rs)
1	15 th BoG meeting	27,439
3	Purchase of master roll and ink to Exam cell	14,295
4	Salary paid to the TEQIP staff from September 2019 to October 2020	1,23,440
5	Festival Allowance (2019 Sept. and 2020 Aug)	2,420
Total		1,67,594

Decision: The BOG took note and ratified the expenditure incurred under IOC from September 2019 to November 2020

2.1.3 Remedial Classes conducted

Remedial Class conducted						
Sl. No.	Faculty	Class	Subject	Total Hours Engaged	Number of students	Amount (Rs)
1	Mr.Premnath G, Asst. Prof. in ME,Adoor	First year B.Tech CSE and EEE	Engineering Graphics	24	38	14,400
	Mr.Manoj S,	First year	Linear	7		4,200

2	Asst. Prof. in Maths	B.Tech CSE	Algebra and Calculus		30	
Total						18,600

82% students passed Engineering Graphics and 73% students passed Maths exams.

Decision: The BOG took note and ratified the expenditure incurred for remedial classes.

2.1.4 Reimbursement of expenses incurred on Publications

Reimbursement of expense incurred on Publications						
Sl. No	Title of Paper	Author	Publisher	Venue	Date	Reg. 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 and Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communicatio n Engineering College of Engineering Perumon	20,21Mar ch 2019	1,000
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 and Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communicatio n Engineering College of Engineering Perumon	20,21Mar ch 2019	1,000
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 and Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communicatio n Engineering College of Engineering Perumon	20-22 March 2019	1,000
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 and Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communicatio n Engineering	20 March 2019	1,000

				College of Engineering Perumon		
5	Smart Helmet	Maneesha Krishnan, Assistant Professor in Electronics and Communication Engineering, C E Karunagappally, Surya S, Swathy S, Krishna A, B.Tech Students, CE Karunagappally	International Journal of Engineering and 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
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 and 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
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 and 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 and 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
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 and Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communication	20-21 March 2019	1,000

				n Engineering College of Engineering Perumon		
10	Under Ground Cable Fault Detection Robot	Smt.Shafana mol M I,Asst. Prof. in ECE	International Journal of Engineering and Science and Research Technology	2 nd National Conference on Emerging trends in Electronics and Communicatio n Engineering College of Engineering Perumon	20-21 March 2019	1,000
11	Prostate cancer Grading-A review on Histopathology Images	Mannesh m, PG Scholar , CE Karunagappally Dr.Smitha P, Asso. Prof. in CSE, CE Karunagappally,Dr.S ujathan K		1 st National conference on recent Scientific research in Engineering and technology John Cox Memorial CSI Institution and Technology and TECHOWN	22 March 2019	1,500
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 and 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 and Science and Research Technology	3 rd National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information	29,30 March 2019	1,500

				technology		
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 and 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 Steganography 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 and 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 Classification of Alzheimer's Disease using Convolutional Neural Net works	Sheethal Thampi, Hima Dileep, P G Students, Mili Roseline Mathews, Assistant professor in Electronics and Communication Engineering, C E Karunagappally	International Journal of Engineering and 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
17	A review on Down Syndrome Detection using Chorosome Image Classification	Neethupriya, PG student, CE Karunagappally, Smt.Mili Roseline Mathews, Assistant professor in Communication Engineering, C E Karunagappally	International Journal of Engineering and 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	Smt.Sabeena M,	International	3 rd National	29,30	1,500

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

			Science and Research Technology	Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology		
					Total	27,000

Total expenditure under Corpus Fund: Rs. 3,27,534

Decision: The BOG took note and ratified the reimbursement of expenses incurred on publications by students.

2.2 Ratification of Expenditure incurred for various activities under FSD Fund

A 2 day Colloquium and a 3 day Staff Development Programme were conducted. The expenditure for the activities conducted by utilizing FSD fund is as given below.

Training Conducted from September 2019 to Nov 2020						
Sl. No	Name Of Coordinator	Title	Date	Number of participants	Advance	Expenditure (Rs)
1	Dr.Gopakumar C, Asso. Prof. in ECE	Colloquium: A Voyage from Shallow to Deep in Machine Learning-Perspective and Challenge in Research	2 days 31Dec.2019 to Jan.1, 2020	44 nos. (external 15 nos. & internal 29 nos.)	37,500	39,612
2	Smt.Sunitha K Cherian, Sr.Supdt.	Development of Behavioural Skills	3 days Jan 20-22, 2020	40 nos. (external 12 nos. & internal 28 nos.)	40,000	45,640
Total						85,252

The expenditure for attending training programmes by utilizing FSD fund is as given below

Training Attended/settled from September 2019 to Nov 2020							
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	1 day,	Regional	1,500	1,920	3,420

	Dr. C Gopakumar, Aso Prof. in ECE	Seminar on Analytical Biology and Machine Learning in Cancer Research	13-05- 2019	Cancer Center, Thiruvanantha puram	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							19,068

Online Coursera courses attended by faculty and students

Total enrollments	1045
Total unique learners	190
Learners who have enrolled in at least one course	190
Current members	228
Total unique courses	395
Total course completions	396
Total verified course completions	396
Total unique course completers	119
Total estimated hours spent	3560
Learners who have completed 50% of a course	129
Learners who have enrolled in 1 course	56
Learners who have completed 1 course	61
Learners who have enrolled in 2 courses	31
Learners who have completed 2 courses	11
Learners who have enrolled in more than 2 courses	103
Learners who have completed more than 2 courses	47

Total expenditure under FSD Fund: Rs.1,04,320

Decision: The BOG took note and ratified the expenditure incurred under FSD fund post the last BoG meeting and kindly note the Coursera online courses attended by faculty and students.

2.3 Ratification of expenditure under Equipment Maintenance Fund

Sl No.	Name of Equipment	No. of items	TEQIP/ Non- TEQIP	Repair/ Maintenance	Estimate in Rs	Actual Amount
1	AMC for 15rganizin machine in Office	1	TEQIP	Maintenance	13,000	12,707
2	Maintenance of Duplicating Machine	1	TEQIP	Repair	6,000	5,300
3	Maintenance of Laser Jet Printer in various departments and office	1	TEQIP	Repair	9,450	9,350
4	Repair of Duplicating machine in Exam Cell		TEQIP	Repair	6,000	5,983
Total					34,450	33,340

Decision: The BOG took note and ratified the expenditure incurred under Equipment maintenance fund post the last BoG meeting.

2.4 Ratification of expenditure under Equipment Replacement Fund

Sl No.	Name of Equipment	No. of items	TEQIP	Replace	Estimate in Rs	Actual Amount
1	Replacement of computer accessories in CSE	6 items	TEQIP	Replaced	69,300	54,460
2	Payment for replacement of Motherboard (i7 Laptop)	1 nos.	TEQIP	Replaced	15,000	14,623
Total					84,300	69,083

Total expenditure under Equipment Replacement Fund: Rs.69,083

Decision: The BOG took note and ratified the expenditure incurred under Equipment Replacement fund post the last BoG meeting.

2.5 Expenditure Summary as on 30.11.2020

Name of Fund	Category of expenditure (Head of expenditure)	Sub-Activity	Total expenditure upto 30.8.2019	Total expenditure from 01.09.2019 To 30.11.2020	Total cumulative expenditure upto 30.11.2020
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	27,500	27,500
		Remedial Class	0	18,600	18,600
		Visiting Faculty	0	0	0
		Industry Institute Interaction	1,30,070	0	1,30,070
		Skill Development & Others	1,33,647	1,17,917	2,47,987
		Total	2,63,717	1,60,440	4,24,157
	Incremental operating cost	Salary	1,15,910	1,32,320	2,48,230
		BoG meetings	87,554	27,439	1,14,993
		Stationary and other expenses	22,009	0	22,009
		Others	0	16,715	16,715
		Total Utilisation from Corpus Fund	4,89,190	3,36,914	8,26,104
Faculty Development Fund	FSD	Expenditure on faculty members attended training in subject domain	28,920	9,268	38,188
		Expenditure on faculty members attended pedagogical training	0	0	0
		Expenditure on 16organizing inhouse subject area training programmes/workshops/seminars/conferences etc	57,099	39,612	96,711
		Expenditure on participation by faculty in external seminars/conferences/workshops etc	7,274	9,800	17,074
		Expenditure on staff development	0	45,640	45,640
		Others	0	0	0
		Total	11,904	1,85,709	1,97,613
Equipment Replacement Fund	ERF	Equipment	14,000	69,083	83,083
		Books	0	0	0
		Software	0	0	0
		Furniture	0	0	0
		Others		0	0
	Total		0	83,083	83,083

Equipment Maintenance Fund	ECMF	Equipment Maintenance	55,189	33,340	88,529
		Civil Works	0	0	0
		Others	0	0	0
	Total		55,189	33,340	88,529
Grand Total			6,51,672	5,43,657	11,95,329

The status of the fund available in the four accounts as on 30th November 2020 is as given below.

Sl No	Name of Account	Total fund available (Rs)	Expenditure as on 30.11.2020 (Rs)	Balance Amount as on 30.11.2020 (Rs)
1	Corpus Fund	11,18,675	8,26,104	2,92,571
2	Faculty and Staff Development Fund	7,08,035	1,97,613	5,10,422
3	Equipment Replacement Fund	7,04,811	83,083	6,21,728
4	Maintenance Fund	7,03,130	88,529	6,14,601
Total		32,34,651	11,95,329	20,39,322

Decision: The BOG took note the expenditure and balance fund available in the four funds.

2.6 Activities in progress

2.6.1 Replacement of UPS batteries

In the last BOG meeting permission was given to replace 40 old batteries for the UPS in Electronics and Computer Departments by purchasing new batteries with an expected expenditure of Rs.4,00,000. Accordingly, AS was issued for the amount of Rs.4,00,000 and tender was invited for the purchase of 40 batteries by giving statewide advertisement in The Hindu daily. Names of five brands were specified in the tender and tenderers were expected to submit batteries of the specified make or similar ones. Four firms participated in the tender and three firms have quoted the prices for branded batteries as specified in the tender where as the other firm On & On Batteries, Kanjikkode, Palakkad, which has quoted the least price, quoted the price of batteries made by the firm. There is a total difference of Rs. 84,000 in the quoted price between this firm and the next higher quoted firm. The tabulation statement of the purchase of batteries is given below for reference. The Procurement committee members opined that the technical competency of M/S On & On Batteries is doubtful and the firm has no service centre in Kollam district and the nearby districts Thiruvananthapuram and Alappuzha which may affect the timely service of the batteries. Along with the tender, the firm has submitted the supply orders of two Govt institutions to which the firm had supplied batteries. When contacted one of the customers, Pazhayakunnumel Panchayat in Kilimanoor

to which 10 batteries were supplied by the firm in 2017, the Electrical Engineer of the Panchayat conveyed that after one year of supply of the batteries there was no onsite service provided by M/s On & On Batteries. So, BOG is requested to give necessary advice in this matter.

Decision: The BOG took note and opined that the authenticity of the firm should be verified. The after service of the firm with the institutions to which batteries were supplied shall also be verified. The technical committee is instructed to verify closely the technical specifications and verify the after service of the firm and take a suitable decision.

Tabulation Statement for Replacement of UPS Batteries (Tender No.T /8/19/CEK/ERF)

Item.	Specification	<u>Firm I</u> M/s. ON & On Batteries, Kanjikkode, Palakkad		<u>Firm II</u> M/s. Exon Auto Electricals, Kodimatha, Kottayam	<u>Firm III</u> M/s.KEN Power Tech, Kothanallor, Kottayam		<u>Firm IV</u> M/s. Hykon India Ltd. Pattam, Thiruvananthapuram	
UPS Batteries	12V 100AH or above tubular type (5 years warranty in which 3 years onsite free replacement)				4 year replacement warranty	3 years replacem ent warranty	5 yers Replacement warranty	3 years replacement warranty
	Qty.& unit	40		40	40	40	40	40
	Make	On and On		Exide	Amaron	Amaron	Hykon	Hykom
	Quoted Unit rate in Rs. (Including, excise duty, costs incidental to delivery)	6,800.00		9650.00	9450.00	8,900.00	9664.00	9240.32
	Amount	Total Price(A)	2,72,000	3,86,000	3,78,000	3,56,000	3,86,000	3,69,612.80
	Sales tax and other taxes payable	In %	All Inclusive	All Inclusive	All Inclusive	All Inclusive	All Inclusive	All Inclusive
		In figures(B)						
	Gross Total Cost (A+B)	2,72,000		3,86,000	3,78,000	3,56,000	3,86,000	3,69,612.80

2.6.2 Approval for the payment of cost of publication in Hindu daily

In order to purchase batteries for EC and CS Departments, tender was invited by giving statewide advertisement in The Hindu daily. The cost of advertisement charged by the daily is Rs.2,573. The amount can be paid from Corpus fund.

Decision: The BOG took note and approved for the payment of the amount to The Hindu daily.

2.7 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	Expert talk on Software component in engineering designs – expert from TCS	S7	1 day	Jan 2021	5,000
2	Free and open source softwares- Expert from ICFOSS	S5	1 day	Feb 2021	5,000
3	How to transform as an employable engineer – Expert from Technopark	S3	1 day	March 2021	5,000
4	Expert talk on IPR and Patenting	S7	1 day	April	5,000
5	Remedial classes	All	45 hrs	Jan-Apr 2021	27,000
Total					47,000

CS Department- Training for students					
Sl No	Area or Title of the programme	Sem	Duration	Proposed date	Estimate in Rs
1	Counselling/Mentoring classes	S1-S7	1 day	Dec 2020	32,000
2	Start up/Entrepreneurship/ Patenting classes	S7	2 days	Feb 2021	20,000
3	Remedial classes	S1-S5	52 hrs	Nov2020-March 2021	31,200
4	IOT	S5	2 days	Apr 2021	20,000
5	Open Hardware	S3	2 days	Apr 2021	20,000
Total					1,23,200

EE Department- Training for students					
Sl No	Area or Title of the programme	Sem	Duration	Proposed date	Estimate in Rs

1	Industrial Automation PLC/SCADA workshop	S7	2 days	Jan 2021	12,000
2	Industrial and Project Oriented Training – CDAC	S5	1 day	Feb 2021	6,000
3	Industrial Tutoring on Emobility-ANERT	S7	1 day	Feb 2021	6,000
4	Industrial Tutoring-EMC IoT and Energy management	S3	1 day	Jan 2021	6,000
5	Remedial classes	All	64 hrs	Feb 2021	38,400
6	Student Counseling	All	Regularly	Jan-Apr 2021	15,000
Total					83,400
ME Department- Training for students					
Sl No	Area or Title of the programme	Sem	Duration	Proposed date	Estimate in Rs
1	How to transform as an employable engineer – Expert from Technopark	S1	1 day	Jan 2021	5,000
2	Student Counseling	S1	Regularly	Jan-Apr 2021	5,000
3	Remedial classes	All	24 hrs	Jan-Apr 2021	14,400
Total					24,400

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	Jan 2021 (6-days)	40,000
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	Second year students	Jan-Feb 2021 (7-days)	50,000

	Career options-vision setting Coding and programming			
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	Jan-Feb 2021 (7-days)	50,000
4	Aptitude and soft skill development Company based interview Coding and programming Branch specific skill development programs	Final year students (14-days)	Jan-May 2021	1,00,000
Total				2,40,000

Total estimate for student training under Corpus Fund: Rs.5,12,800

Decision: The BOG took note and approved the students support programmes planned for the next six months

2.8 Approval of FSD programmes

2.8.1 In-house FSD programmes planned

The detailed proposal of in-house FSD programmes planned for the next 6 months by different departments, approved by the Academic Committee and Finance Committee are given in the table below.

Electronics and Communication Department – Inhouse FSD programmes planned					
No	Coordinators	Course Name	No. of Faculty Members	Tentative Time	Estimate in Rs
1	Smt. Shiny C, Smt. Rekha G.	Mathematical aspects behind Deep Learning	40	5 days- Aprl 2021	25,000
2	Smt. Mili Rosline Mathews, Dr. Gopakumar C.	Python for Deep Learning	40	5 days- May 2021	25,000

3	Mr. Shanu N, Smt. Sabeena M.	Internet of Things	40	5 days- March 2021	25,000
Total					75,000
Inhouse Staff Development Programme planned –EC Department					
No	Coordinators	Course Name	No. of Staff Members	Tentative Time	Estimate in Rs
1	Mr. Venu V. S, Mr. Anilkumar C V	Communication and Power Electronics	30	5 days- March 2021	25,000
Total					25,000
CS Department In-house FSD programmes planned					
No	Coordinators	Course Name	No. of Faculty Members	Tentative Time	Estimate in Rs
1	Dr Smitha P and Sabeena K	Security and Privacy in Big Data Analytics	40	3 days Jan-2021	30,000
2	Dancy Kuiren and Shani Raj	Cloud Computing Algorithms and Architecture	40	3 days Feb-2021	30,000
3	Manoj Ray and Vinod R	Cyber Security	40	3 days Mar-2021	30,000
Inhouse Staff Development Programme planned –CS Department					
No	Coordinators	Course Name	No. of Staff Members	Tentative Time	Estimate in Rs
1	Shibu V	Workshop on Desktop and laptop maintenance	30	3 days April 2021	30,000
Inhouse Staff Development Programme planned –Administrative Department					
No	Coordinators	Course Name	No. of Staff Members	Tentative Time	Estimate in Rs
1	Rupesh and Anoop Raj	Enhancing skills for effective office management	35	3 days May 2021	30,000

Total estimate for In-house programmes under FSD Fund: Rs.2,50,000

Decision: The BOG took note and approved the in-house FSD programmes planned for the next six months

2.8.2 Outstation FSD programmes planned

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	Deep Learning	IIT/NIT/Similar Institutions	Jan 21- May21	10,000
2	Two Faculty	Image Processing	IIT/NIT/Similar Institutions	Jan 21- May21	10,000
3	Two Faculty	Optimization problems	IIT/NIT/Similar Institutions	Jan 21- May21	10,000
Total					30,000
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	4	Jan 21- May21	20,000
Total					20,000
CS Department					
	Institutions	Area	No. of Faculty Members	Tentative Time	Estimate in Rs
	IIT/NIT/Similar Institutions	One programme for each faculty	5	Jan 21- May21	25,000
Total					25,000
General Engineering and Applied Science Department					
	Institutions	Area	No. of Faculty Members	Tentative Time	Estimate in Rs
1	IIT/NIT/Similar Institutions	Thermal Engineering/Design/Manufacturing	4	Jan 21- May21	20,000
2	IIT/NIT/Similar Institutions	Applied Physics	1	Jan 21- May21	5,000
3	IIT/NIT/Similar Institutions	Non-linear Mathematics	3	Jan 21- May21	15,000
Total					40,000

Total estimate for out station programmes under FSD Fund: Rs.1,15,000

Decision: The BOG took note and approved the out station FSD programmes planned for the next six months

2.9 Approval of Maintenance of equipment

The detailed proposals by various departments for repair/maintenance of equipment to be done for the next six months, approved by the Procurement Committee and Finance Committee 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	PCB Drilling machine	2	TEQIP	Repair	10,000
2	Laptop maintenance	3	TEQIP	Repair	15,000
3	Laser printers – Canon make	1	TEQIP	Repair	1,500
4	PLC trainer	1	TEQIP	Repair	8,000
5	Projectors	2	TEQIP	Repair	10,000
6	Desktop computers-Dell make	1	TEQIP	Repair	5,000
7	UPS maintenance	1	TEQIP	Repair	7,000
Total					56,500
CS Department					
1	Air Conditioner	1	TEQIP	Not Working	22,000
2	Desktop computer	10	TEQIP	Not Working	35,000
3	LCD Projector	3	TEQIP	Not Working	18,000
4	Lap top	7	TEQIP	Not Working	30,000
5	LED Monitor	5	TEQIP	Not Working	10,000
6	Network switches	2	TEQIP	Not Working	20,000
Total					1,35,000
ME Department					
1	UPS maintenance	1	TEQIP	Repair	10,000
Total					10,000
EE Department					
1	Digital IC Kit(10 Nos)	10	TEQIP	Repair	5,000
2	Over current relay(1 No)	1	TEQIP	Repair	5,000
3	Maintenance of PE Lab Kit	1	TEQIP	Repair	5,000
4	Maintenance of AEE Lab Kit	1	TEQIP	Repair	10,000
	Maintenance and service of Desktop Computers(15 Nos)	15	TEQIP	Repair	18,000
Total					43,000
Institution					
1	UPS maintenance	1	TEQIP	Repair	10,000
2	LED Monitor	4	TEQIP	Repair	10,000

3	Photo copier	1	TEQIP	Repair	8,000
4	ID Card Printer	1	TEQIP	Repair	5,000
Total					20,000
Grand Total					2,21,500

Decision: The BOG took note and approved the proposals by various departments for repair/maintenance of equipment to be done

2.10 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	30	TEQIP	Crossed 5 years of usage and are to be replaced	2,70,000
2	Flat Panel Monitor (Dell make)	6	TEQIP	Not Working, need replacement	72,000
Total					3,42,000
CS Department					
1	UPS Battery, Tubular, 12V, 100 Ah	30	TEQIP	Crossed 5 years of usage and are to be replaced	2,70,000
Total					2,70,300
ME Department					
1	UPS Battery, Tubular, 12V, 100 Ah	10	TEQIP	Crossed 5 years of usage and are to be replaced	90,000
Total					90,000
Institution					
1	UPS Battery, Tubular, 12V, 100 Ah	10	TEQIP	Crossed 5 years of usage and are to be replaced	90,000
2	Mother board	1	TEQIP	Not working	10,000
Total					1,00,000
Grand Total					8,02,300

Decision: The BOG took note and approved the proposals by various departments for replacing equipment.

2.11 Extension of Appointment of Contract Staff

In the last BOG meeting held on 19.9.2019 it was decided to extend the appointment of the TEQIP staff for a further period of 179 days with effect from 28.5.2019 and engage after a break depending on necessity. After discussions, the BOG decided to enhance the daily

remuneration of the TEQIP staff to Rs.740 per day as per the **GO(P)No.81/2019/Fin** dated 09/07/2019 , limiting to Rs.9000/- per month. She completed 179 days on 22.11.2019. 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 23.11.2019.

Decision: The BOG took note and approved the extension of appointment of TEQIP staff with effect from 23.11.2019. She can be continued on daily wages depending on the requirement.

Part 3 Status Reports

3.1 Status of academic results post the last BoG

B.Tech 2019-20 final pass out results of all the branches are as given below:

Branch	Semester	No of students appeared	No. of students passed	Pass Percentage
EC	S8	33	12	36.3
CS	S8	38	21	55.26
EE	S8	36	15	41.7
Overall	S8	107	48	44.86

Decision: The BOG took note the results of 2019-20 passed out students.

3.2 Status of placements post the last BoG

Placement details of 2020 passed out students

Dept	Total number of final year students	Number of students placed	% placement
CS	38	29	76.31
EC	33	8	24.24
EE	36	12	33.33
Overall	107	59	55.14

Decision: The BOG took note the placement statistics

3.3 Inspection report by SPFU Officials

Two officials of SPFU Kerala inspected the institution on 29.8.2019 to audit the utilization of the four funds for the period from 1.8.2017 to 30.6.2019.

Action Sought: Decision: The BOG took note the inspection report.

3.4 Report on other recent achievements of the Institution

1. 2020 IEEE PES high performing student branch chapter program (First in Region 10).
2. IEEE MGA DARREL CHONG Student Activity Award 2020 Under the Bronze category for the event 'LIGHTING FOR HUMANITY'.
3. IEEE MGA Outstanding Branch counsellor and Branch Advisor Award 2020 for Prof. Haseena PY Counsellor IEEE SB CEK.
4. IA/IE/PELS Jt. Chapter Kerala ,Outstanding Student Volunteer 2019 for Mr. Akshay Krishnan Former Chair IEEE SB CEK.
5. IEEE PES Outstanding Engineer Award (<15 YEARS) by the IEEE POWER AND ENERGY SOCIETY Head quarters for Mr. Anandhu S Kumar Mentor IEEE SB CEK
6. IEEE IAS CMD Outstanding chapterAdvisor Category(Global) for Prof. Sabeena K Advisor IEEE SB CEK.
7. IEEE MGA DARREL CHONG Student Activity Award 2019 (Gold Category) For LUXATHON 1.0
8. IEEE MGA Regional Exemplary Student Branch Award 2019 and 2020.

Decision: The BOG took note the recent achievements of the institution.

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

Nil

The meeting came to an end at 12.15P.M

Dr.V P N Nampoori
Chairman

Dr.Jyothiraj V P
Principal

