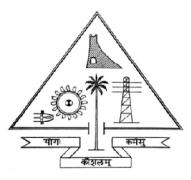# 21st

Meeting of Board of Governors

Government Engineering College

Trichur-680 009

On

25th June 2019 Tuesday at 11.00 AM

In the Conference Hall

AGENDA NOTES

21st MEETING OF BOARD OF GOVERNORS

ON 25.06.2019 AT 11.00 AM, IN THE CONFERENCE HALL, GEC, THRISSUR

Sl. No.	AGENDA	Page No.
1	Confirm the Minutes of 20th Meeting of the Board of Governors on 03.05.2018	4
2	Review the actions taken report on the decisions in the 20th Meeting of the Board of Governors.	4
3	Presentation of activity reports by nodal officers	4
4	Amendments to guidelines for effective utilization of Four Funds	14
5	Approval of activities under various heads.	16
6	Ratification of activities carried out.	20
7	Any other item permitted by the chair • Request from college union for student assistantship • Accreditation of UG and PG programs • Submission from Dr. Sumam K S, CE Dept. • New committees for implementation of Four Funds TEQIP	26

<h1 align="center">Agenda Notes</h1>

1. **Confirm the Minutes of the 20th Meeting of the Board of Governors held on 03/05/2018**

   A copy of the Minutes of 20th Board of Governors meeting is appended as ***Annexure 1, Page29*** for confirmation**.**

2. **Review the actions taken report on the decisions in the 20th Meeting of the Board of Governors**

   The ATR of 20th Board of Governors meeting is appended as ***Annexure 1, Page 42*** for confirmation**.**

3. **Presentation of activity reports by nodal officers**

   3.1 Report on activities of Academic Unit

   The following are the statistics representing the activities of the unit during the period under report.

   3.1.1. Faculty Publications from 03/05/2018 to 11/06/2019

Number of papers published in international journals   -   86
Number of papers presented/accepted in international conferences -   103
Number of papers presented/accepted in national conferences   -   65

Department	International Journals			International Conferences		
	2017-2018	2018-2019	Total	2017-2018	2018-2019	Total
CE	7	9	16	14	2	16
ME	4	7	11	6	10	16
EEE	10	7	16	9	11	18
ChE	1	3	4	8	12	20
PE	18	22	40	3	4	7
ECE	1	3	4	2	8	10
CSE	1	5	6	16	14	32

Department	National Journals			National Conferences		
	2017-2018	2018-2019	Total	2017-2018	2018-2019	Total
CE	7	9	16	14	2	16
ME	-	-	-	-	-	
EEE	2			1	1	2
ChE	0	1	1	1	17	18
PE	0	0	0	6	3	9
ECE	0	0	0	0	18	18
CSE				2		2

The department wise details of the publications are presented in the table given below:

Name of Dept	International Journals	International conference		National conference
		Presented	Accepted & To be presented	
ME	7	10	-	0
EEE	-	-	2	-
CE	16	16	-	29
ChE	4	19	1	-
PE	40	7	-	9
CSE	6	22	10	2
ECE	4	9	1	18
Total	**77**	**83**	**14**	**58**

3.1.2. Transition rate for B. Tech in the academic year 2018-19

Transition rate of odd semesters in the academic year 2018-19, the department-wise details are given below:

Department	CE	ME	EEE	ChE	PE	CSE	ECE
Transition rate (from S_1 to S_2)	71/94 (%)	77/105 (100%)	83/99 83.8%	41/49 (83.7%)	21/29 (72.4%)	62/62 (100%)	48/64 (%)
Transition rate (from S_3 to S_4)	73/104. (%)	85/116 (%)	90/111 81.0%	32/54 (59.2%)	23/32 (71.9%)	68/68 (100%)	48/69 (%)

Transition rate (from S_5 to S_6)	(%)	92/115 (%)	79/116 68.1%	43/53 (81.1%)	20/33 (60.6%)	68/68 (100%)	47/68 (%)
Transition rate (from S_7 to S_8)	/ (%)	79/114 (%)	83/115 72.17%	44/55 (80%)	25/32 (78.1%)	69/69 (100%)	46/68 (%)

The table below shows the percentage of students graduated from our institute during the period 2017-2018.

	2017-18													
Department	CE		ME		EEE		ChE		PE		ECE		CSE	
Degree level	UG	PG	UG	**PG**	UG	PG	UG	**PG**	UG	PG	UG	**PG**	UG	PG
Students graduated	85	36	95	**34**	94	34	48	**15**	28	16	57	**18**	62	17
Total no. of students	101	36	113	**36**	113	36	53	**17**	32	18	64	**18**	68	17
% graduated	84	100	84	**94**	83	94	90	**88**	87	89	89	**100**	91	100

3.1.3. Placement details:

A summary of the placement for the period from 2017-2019 is given in the table below.

No. of students	2017-2018															
	CE		ME		EEE		Ch E		PE		ECE		CSE		Total	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
Placed	3	0	42	0	33	1	19	0	9	0	29	2	55	7	..	..
Registered for Placement	101	37	109	6	94	17	48	15	29	5	55	18	69	12	..	..

2018-2019															
No. of students	CE		ME		EEE		Ch E		PE		ECE		CSE		Total	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
Placed	21	1	52	7	58	5	19	1	18	3	47	3	53	10	268	30
Registered for Placement	96	35	107	27	101	30	54	17	30	15	66	18	69	15	523	157

Correspondingly, the number of job offers received are

2018-2019															
No. of students	CE		ME		EEE		Ch E		PE		ECE		CSE		Total	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
Placed	22	1	63	9	74	5	25	1	19	5	68	4	85	12	356	37
Registered for Placement	96	35	107	27	101	30	54	17	30	15	66	18	69	15	523	157

3.1.4. Research and Development

(i) Details of Ph D Programs: Research scholar - intake during the period from 2017-2018.

No. of scholars enrolled

Dept	2017-18	2018-19
CE	0	5
ME	4	4
EEE	6	7
ChE	0	1
PE	0	1
ECE	3	0

3.1.5. Remedial classes conducted

Remedial Classes conducted during Academic Year 2018-19 – Odd Semester

Dept. of CE

Semester	Subject	No of students attended	No of students with improved assessment result	Name of faculty
S1	Engineering Graphics	94	94	Prof Sameena & Prof Aryasree
S3	Fluid Mechanics I	7	7	Prof Shahana
S3	Mechanics of Solids	7	7	Prof Deepthi
S5	Design of Concrete structures	42	39	Prof Savitha & Prof Aryasree
S5	Structural Analysis II	32	26	Prof Sameena
S7	Structural Analysis II	22	22	Prof Silpa Mohan

Dept. of EEE

Dr. E. A. Jasmin , V. Mini - Computer Programming in C - S3 A&B,Dr. E. M. Suhara Analog Electronics - S3 A&B, Dr. E. M. Suhara Power Electronics S5 EB.

Details of remedial classes conducted are attached below.

Class	Course Name	Name of Faculty	Dates on which classes were taken	No. of students attended the class
S1	Introduction to Chemical Engineering	Dr. P.A.Soloman	14-11-2018	9
S3	Chemical Process Calculations	Dr Fasnabi P A	13-11-2018	20
S3	Fluid and Particle Mechanics	Dr SubinPoulose	31/10/18,2/11/18	25
S3	Particle Technology	Prof Ajeesh K N	2/11/18, 15/11/18	24

S4	Process Heat Transfer	Dr Mercy Anna Philip	14-05-2019	9
S4	Chemical Engineering Thermodynamics	Dr M S Manju	2/5/19, 6/5/19, 7/5/19	4

Dept. of PE

Sl. No.	Date	Time	Subject	Faculty	No. of Students
1	18/9/2018	4.00-5.00 pm	BE100 Engineering mechanics	Aju S S	3
2	7/11/2018	4.00-6.00 pm	BE100 Engineering mechanics	Aju S S	3
3	23/11/2018	3.00-5.00 pm	BE100 Engineering mechanics	Aju S S	8
4	5/9/2018	12.00-1.00 pm	ME305 Computer Programming and Numerical Methods	Sreenivasa P	8
5	5/9/2018	4.00-5.00 pm	ME305 Computer Programming and Numerical Methods	Sreenivasa P	7
6	15/10/2018	12.00-1.00 pm	ME305 Computer Programming and Numerical Methods	Sreenivasa P	8
7	2/11/2018	4.00-5.00 pm	ME305 Computer Programming and Numerical Methods	Sreenivasa P	8
8	22/11/2018	12.00-1.00 pm	ME305 Computer Programming and Numerical Methods	Sreenivasa P	7
9	22/11/2018	4.00-5.00 pm	ME305 Computer Programming and Numerical Methods	Sreenivasa P	8

10	27/10/2018	12.00-1.00 pm	ME405 Tool Engineering	Sreenivasa P	3
11	23/11/2018	12.00-1.00 pm	ME405 Tool Engineering	Sreenivasa P	12
12	27/11/2018	4.00-6.00 pm	ME405 Tool Engineering	Sreenivasa P	13
13	21/3/2019	4.00-6.00 pm	MP 402 Machining of Materials	Anil Rajagopal	1
14	5/1/2019	9.30am-12.30 pm	BE 100 Engineering Mechanics	Aju S S	2
15	4/5/2019	9.30am-12.30 pm	BE102 Design and Engineering	Aju S S	2

3.1.6. Professional Society Achievements and Activities

Dept. of CE

1. Conceto 2019(ICI) March 29th 31[st]2019
2. Water Day
3. Nirman

Dept. of EEE - ISTE Activities

YEAR : 2017-2018			
Sl No.	Name of the event	Date	Number of Participants
1	YUKTHI'17	17-08-2017 18-08-2017	30
2	Seminar on Energy Conservation	15-09-2017	29
3	A Motivational Talk by Mr.K S Sarma	27-09-2017	25
4	Seminar On ' Emerging Trends In Engineering And Technology'	05-01-2018	24
5	KURUKSHETRA'18 - The Debate Competition	05-02-2018	15
6	Technical Workshop On 'Internet of Things'	25-02-2018 26-02-2018	20
7	Flood Relief Works	27-08-2018 to 31-08-2018	15

IEEE Activities - Year: 2017- 18

Sl No	Name of the event	Date	No. of participants
1	Visit to Police Academy, Thrissur	19-06-2017	17
2	WIE STAR 2017	14-07-2017	16
3	ORIGO orientation programme	21-08-2017 & 22-08-2017	32
4	Android for beginners workshop	23-08-2017 & 24-08-2017	33
5	AIPESSC 2017	17-09-2017	25
6	PES Quiz	31-10-2017	14
7	SDLP section distinguished Lecture session on Green Energy	04-11-2017	32
8	Ham radio seminar	23-02-2018	35

3.1.7. Some of the major activities are listed out here.

1. Five short-term courses were conducted in the department.
2. On March 14-17 at College premises department hosted a variety of informal events as part of Dyuthi 2019(National Technical Fest).
3. Association games (volley ball, football, cricket (for men and woman), table tennis etc.) were conducted in the month of April
4. On April 5, 2019 the Prof. KV Narayanan Memorial lecture series was inaugurated. The first lecture was delivered by Prof. M.S. Ananth (former director, IIT Madras)

An alumni meet of 1978 batch was conducted on 12/08/2018 and Golden Jubilee reunion of 1968 batch was conducted on 17/11/2018 in the department

Dept. of PE

1. Mubarak Hayat and Hamna Nazeer won third prize for the event autonomous vehicle challenge at SAE national convention **2019.**

2. Ajay Aravind, Sreenath M, Vinay Elias Philip and Govind Prasad won second prize in the event poly-mechanics and automation at SAE state convention 2018.

3. Jiss Paul J Alukka and Athul Antony participating in BAJA-SAE (National) intercollegiate off-road vehicle competition on design, fabrication and validation.

4. Ajay Aravind and Vinay Elias Philip participating in SAE tractor design competition.

3.1.8. Other Major Achievements

Dept. of CE

1. New M tech-Structure
2. Two b tech Student got direct admission to M tech in IIT Gandhi Nagar
3. Sponsored Projects

Dept.of ChE

1. Department of Chemical Engineering received approval for starting a new M.Tech programme in Health, Safety and Environmental Engineering

Dept. of PE
1. 20 numbers of the final and pre-final year students have acquired certification under various NPTEL courses

Dept. of ECE

1. **Latha K. N.**

   Track chair of KETCON " Image Processing Applications'
   Funded project from KSCSTE- "Aquaponics ", student project scheme [Rs. 10,000 sanctioned]

2. **Mohamed Salih K. K. and Sindhu N**

   -Supported the institutions such as hospitals, soil testing labs to write of their equipment which are lying idlel and beyond economical repairs under the Haritha Kerala project
   -Supported Government law college, Thrissur for technical certification of newly procured equipment.
   Funded project from KSCSTE- " Humanoid Teaching Robert" [Rs.20,000 sanctioned] , project presented in Innovative scheme in 2019 Techfest.
   -Funded project from KSCSTE- " Parksglove", student project scheme [Rs. 10,000 sanctioned]

- In Feb 2019 the institute hosted the Kerala Technological Congress (APJAK Techfest) TEKON and KETCON 2019 editions.

3.2 Report IIICell Committee

The committee which met during the period has reviewed the proposals submitted for repair and maintenance of equipment purchased and submitted the same for consideration by BoG, the list of which is enclosed in the proposals section. (Agenda item 4)

The following MoUs have been signed during this period.

sl no	Name of firm	Date of signing	validity	Date of Expiry	Coordinator	
1	Rezonent Microchips Pvt Ltd	04-04-19	5 years	04-04-24	Mohamed Salih, ECE	
2	FACT	01-07-17	3 years	01-07-20	Manoj,CHE	
3	CMET	11-07-17	5 years	11-07-22	Sudheesh,ME	

3.3 Procurement Committee

The committee which met during the period has reviewed the proposals submitted for repair and maintenance of equipment purchased and submitted the same for consideration by BoG, the list of which is enclosed in the proposals section. (Agenda item 5)

3.4 Finance Committee

Various proposals submitted to it from other committees have undergone scrutiny in the committee meetings and few have been given financial sanction. The remaining are submitted to BoG for consideration

Name of Fund	Category /Head of Expenditure	Sub Activity	Expenditure as on 31.05.2019	Expenditure for the month June 2019	Expenditure as pipe line	For Approval
corpus fund	Academic support for students	Expenditure incurred on research projects taken by UG/PG students	0	0	16450	21000
		Expenditure incurred on research publications	0	0	33400	0
		Remedial Class	36000	20400	0	0
		Visiting Faculty	0	46737	44156	388000
		Industry Institute Interaction	0	0	0	0
		Skill Development & Others	14772	0	0	0
		Total	**50772**	**67137**	**94006**	**409000**
	Incremental operating cost	Salary	151240	11360	0	72000
		BoG meetings	53760	0	0	50000
		Stationary and other expenses	9849	0	0	5000
		Others-IEEE Membership	37185	0	4861	0
	Total		**252034**	**11360**	**4861**	**127000**
Faculty and Staff Development Fund	FSD	Expenditure on faculty members attended training in subject domain	0	0	40374	233600
		Expenditure on faculty members attended pedagogical training	0	0		0
		Expenditure on organising in house subject area training programmes/workshops/seminars/conferences etc	161195	0	61526	1490250
		Expenditure on participation by faculty in external seminars/conferences/workshops etc	24271	0	99297	22000
		Expenditure on staff development	0	0	0	0
		Others	0	0	47339	0
	Total		**185466**	**0**	**248536**	**1745850**
Equipment Replacement Fund	ERF	Equipment	0	0	0	190000
		Books	0	0	0	0
		Software	0	0	0	708000
		Furniture	0	0	0	0
		Others	0	0	0	0
	Total		**0**	**0**	**0**	**898000**
Equip. Maintenance Fund	ECMF	Equipment Maintenance	0	0		158276
		Civil Works	0	0		
		Others	0	0		
	Total		**0**	**0**	**0**	**158276**
	Grand Total		**488272**	**78497**	**347403**	**3338126**

Total (Expenditure – committed + pipeline + for approval)   **Rs. 42,52,298**

3.4.1 Allocation of funds under TEQIP-II, *FOUR FUNDS*

At present, the funds available under the various heads are
- Corpus Fund   : Rs.64,71,655/-
- Faculty& Staff Develop. Fund   : Rs.80,07,709/-
- Maintenance Fund   : Rs.67,75,208/-
- Equipment replacement   : Rs.69,02,473/-

The division of funds as per the decision taken in the 20th BoG Meeting are-

	Corpus	FSD	Eqp.Maintenance	Eqp. Replacement
Institution	648555	801609	677808	690473
CE	1096400	1356700	1147800	1169300
ME	1187000	1469000	1243400	1266800
EEE	1187000	1469000	1243400	1266800
ChE	594000	734900	621700	633400
PE	388300	480500	406500	414100
ECE	685200	848000	717300	730800
CSE	685200	848000	717300	730800

.The amounts are budgeted to be spent uniformly in the remaining 3 year period.

4 Amendments to guidelines for effective utilization of Four Funds

- The head of accounts which were classified as per the guidelines need a revision as per the new FMR format being used to send the financial performance reports. Hence it is to be changed as per the format included in *Annexure 3 Page 43.*

In the conduct of External Programs

- Item 8 which reads

    The total expenditure including registration fee, TA/DA for attending program etc per program using Faculty development fund is limited to Rs.10,000/- for faculty and Rs.7,000/- for staff.

To be corrected as

The total expenditure including registration fee, TA/DA for attending program etc per program using Faculty development fund is limited to Rs.20,000/- for faculty and Rs.7,000/- for staff.

In the conduct of student support programs

- Item 10. which reads

A paper published, from the project work done in the institution, in an SCI index journal may be awarded an amount of Rs. 5000/- to the faculty subject to the recommendation of the R & D Committee and approval of BoG.

to be dropped as the scheme is already available in CERD and may not confirm strictly to PIP guidelines for such programs.

- Item 14. which reads

Industrial visit to Govt. /Semi Govt. /Public Sector/Premier private industries will be funded based on the recommendations of the department, IIIC and the finance committee. Only the days of industrial visit will be considered for funding subject to a maximum of Rs.5000/- per batch (of minimum 10 students).
to be corrected as

Industrial visit to Govt. /Semi Govt. /Public Sector/Premier private industries will be funded based on the recommendations of the department, IIIC and the finance committee. Only the days of industrial visit will be considered for funding and TA/DA as per actuals and eligibility will be given.

BoG is requested to resolve on these matters.

5 Approval of activities under various heads.

The academic committee has considered the following proposals and submitted for approval.

5.2 Visiting Faculty Programs

Sl No.	Title of the programme	Resource Person	Beneficiaries	Dept	Amount
1	Structural Engineering ,	Dr.B.N.Rao., Prof., IIT Madrass	M.tech.(SE)	CE	25000
2	Water Resource Engineering	Dr.Jyothiprakash., Prof., IIT Bombay	M.tech.(WRHI)	CE	30000
3	Environmental Engineering	Dr.Mukesh Khare., IIT Delhi	M.Tech (EE)	CE	30000
4	Dr.Sudheesh T.K., Prof., IIT	Geotechnical	B.Tech (S7)	CE	10000

	Palakkad	Engineering			
5	Dr.Suresh D.Kartha., Prof., IIT Guwahati.,	Water Resource Engineering	M.Tech(WRH)	CE	35000
6	Dr.Arukumar., Prof., IIT Delhi	Environmental Engineering	M.Tech(EE)	CE	30000
7	Dr.B.S.Murty., Prof., IIT Madras	Water Resource Engineering	M.Tech(WRH)	CE	25000
8	Dr.Ligi Philip., Prof., IIT Madras	Environmental Engineering	M.Tech(EE)	CE	25000
9	Dr.Sudheer K.P., Prof., IIT Madras & Exe. Vice President, KSCSTE	Water Resource Engineering	M.Tech(WRH)	CE	25000
10	Dr.Devadas Menon, Prof., IIT Madrass	Structural Engineering	B.Tech(S1)	CE	25000
11	Dr.Roy Paily, IIT Guwahati	Custom IC Design		ECE	25000
					285000/-

5.3   In-house training Programme for approval

Sl No.	Title of the programme	Department	Coordinator	Date	Estimate Amount
1	Electric & Hybrid Vehicle :Scope and Challenges	EEE	Dr.Rameshkumar P., Asst.Prof.,	09-13 Dec 2019	1,30000/-
2	Energy Efficient Technologies and Practices for Sustainable Development	Chemical	,Anjana R., Renjana R., Asst.Prof.,	24-28th June 2019	110000/-
3	Advanced Process Control	Chemical	Mr.Manilal A.M., Asst.Prof.,	22-26th July 2019	211000/-
4	Bridge Engineering –A	CE	Dr.C.V.Lal., Prof.,	-	

Sl No	Name	Dept	Faculty	Date	Amount
	Research Perspective		Dr.Arun S., Asst.Prof., Ms.V.M.Sreedevi., Asst.Prof.,		2,25,000/-
6	Carbon Neutral Technology: Protocols for Sustainable Development	ECE	Dr.Thajudhin Ahmed V.I., Prof.,	23th to 27th Sep 2019	109500/-
7	Simulation and modeling of Electronic systems	ECE	Mohamed Salih K.K., Asst.Prof.,	18th to 22nd Dec 2019	90500/-
8	Fundamentals of FPGA based system	ECE	Alphonsa M.P., Instructor Gr.1.,	18th to 22nd Oct 2019	98000/-
9	Familiarization of modern digital Equipments and Fundamentals of Analog Circuit Design	ECE	Mr.M.Sajithkumar., Trade Instructor Gr-II	22nd to 26th July 2019	1083000/-
10	IoT Based System Design	ECE	Ms.Assa N.C., Tradesman	9th to 13th Dec 2019	109500/-
11	Hands on program on Electronic Design and Automation Engineering	ECE	Shincy T.P., Tradesman	02nd to 06th Dec 2019	109500/-
12	Recent Trends in Biomedical and healthcare systems	ECE	Subhija E.N., Asst.Prof.,	02nd to 06th Dec 2019	109500/-
13	An Approach towards identification and solving engineering problems	ECE	Dr.Thajudhin Ahmed	02nd to 07th Dec 2019	109000/-
					17,69,500/-

5.4 Paper presentation

Sl No	Name of Faculty	Programme	Date of the profgramme	Reg. fee	TA/DA	Total Amount
1	Mr.Vipinkumar K.S., Asso.Prof., CSE Dept.,	International Conference on Innovation in Electronics and Communication Engineering (ICICE 2019)	02-03 Aug 2019	4500/-	15000/-	19500/-
2	Dr.Manju M.S., Asso.Prof., Chemical Dept.,	International conference on Systems, Energy and Environment (ICSEE) 2019 GEC Kannur	12-13 July 2019	2500/-	-	2500/-
						22000/-

5.5 Registration fee reimbursement

Sl No	Name of Faculty	Programme	Reg. fee
1	Ms.Subaija E.N., Asst.Prof., ECECDept.,	IEEE Membership	1770/-
2	Dr.Rameshkumar P., Asst.Prof.,	IEEE Membership	3091/-
			4861/-

The IIIC committee has considered the following technical talks by executives from industry and submitted for approval.

Sl No.	Title of the programme	Resource Person	Beneficiaries	Dept	Amount
1	Mr.Ganesh., Senior Manager, L&T.,	Structural Engineering	M.Tech(SE)	CE	30000
2	Dr.Ajaykumar Rajasekharan., Staff Development Engineer, SEAGATE Technology, US	Flow Physics & Computation	M.Tech(WRH)	CE	30000
3	Mr.Unnikrishnan., MD., General Admixtures, nakulam.,	Building Construction	B.Tech(S5)	CE	10000
4	Dr.Anil Joseph, Senior Engineer., Geostructurals, Ernakulam,	Building Construction	B.Tech(S3)	CE	10000
5	Dr.Suresh Nair, R& D Head, Nest Kakkanad	Recent Trends in Communication		ECE	6500
6	Dr.Samuel, Nest R&D Kakkanad	Optical Communication		ECE	6500
					93000/-

The purchase committee has considered the following proposals and submitted for approval.

Sl No.	Item Name	Purpose	Dept	Amount
1	Universal IC Tester	PCB Repair and service	ECE	3628/-
2	Projector	Bulb Replacement	ECE	30000/-
3	Gunn Power Supply	Power failure not working	ECE	24000/-
4	Variable power supply 0-30V	Voltage not stable; not working	ECE	24000/-
5	Multimeter	Replacement	ECE	10000/-

6	Load Frame	Maintenance	CE	20225/-
7	Consolidation Testing Apparatus	Maintenance	CE	14158/-
8	Triaxial Testing Apparatus	Maintenance	CE	50562/-
9	Pressure Volume Controller	Maintenance	CE	18203/-
10	Remote Sensing and Photogrammetry	Up gradation of Remote Sensing and Photogrammetry version 2013 to 2018	CE	7,08,000/-
11	Computer	Maintenance and Repair charge of DELL Desktop computer	Chemical	3500/-
12	Rheometer	Replacement of temperature detector with Shaft	Chemical	1,50,000/-
				1056276/-

6 Ratification of activities carried out

The following activities done are submitted for ratification.

6.2   III Cell Programmes

Sl No.	Title of the programme and Name of Experts	Beneficiaries	Department	Coordinator	Date	Amount
1	'Thermodynamics and Chemical Industry' by Dr.Anand M.S., EMIRITUS Professor, IIT Chennai	B.Tech students	Chemical Engineering	Manoj N. Asst.Prof.,	05.04.2019	19540/-
2	'Can a dumb Electrical Load be made smart using Electric spring to mitigate renewable energy source variability issue' by Dr.Sanjith K.Panda, Professor National University ,Singapore	M.Tech students in Power systems and Power Electronics	Electrical and Electronics Engineering	Ms.Lisy Raphael, Asst.Prof.,	12.03.2019	15967/-
3	'Energy Storage for Grid Stabilization' by Er.C.M.Varghese, Chairman and Managing Director IGA Tech,	B.Tech students	Electrical and Electronics Engineering	Ms.Lisy Raphael, Asst.Prof.,	12.03.2019	11230/-

	Ernakulam					
4	'Waste to Energy' Opportunities, Options and challenges by Dr.Babu J Alappat, Professor, IIT Delhi	M.Tech students in Environmental Engg.	Civil Engg.	Bindu A.G., Asst.Prof.,	25.03.2019	29742/-
5	'Understanding Emerging Contaminants Exposures during water reuse' by Dr.Arunkumar,Prof., IIT Delhi	M.Tech students in Environmental Engg.	Civil Engg.	Bindu A.G., Asst.Prof.,	13.06.2019	14414/-
						90893/-

6.3   Attended conference/workshops and paper presentations

Sl No	Name of Faculty	Programme attended	Date of the programme	Reg. fee	TA/DA	Total Amount
1	Mr.Sminesh C.N., Asso.Prof., CSE Dept.,	Attended and presented a paper "Augmented Affinity Propagation Network Partitioning for Controller Placement in Software Defined Networks" in the International Conference on Intelligent Computing (ICIC 2018) at Amrita Vishwa Vidhyapeetham, Bengaluru Campus	25th to 28th October 2018	7080/-	4282/-	11362
2	Dr.Manesh K.K., Asso.Prof., ME Dept.,	Department of Atomic Energy (DAE) 7& Board of Research in Nuclear Science (BRNS) sponsored Workshop on Laser Additive manufacturing & Allied Technologies (LAMAT-2k 18) organized Raja Ramanna Centre for Advanced Technology (RRCAT),Indore, Madhyapradesh, A unit of Atomic Energy (DAE).	08th to 12th October 2018	3000/-	17992/-	21242
3	Dr.Jiji K.S.,	Attended and presented a paper	13-14th	8200/-	4185/-	12385

	Ast.Prof., EEE Dept.,	titled "Prediction of Open Circuit Characteristics of Brushless Alternators by Finite Element Method" at International Conference on Mechanical Engineering and Electrical Systems (ICMEES) being conducted by IEEE Forum at Bangalore	October 2018.			
4	Dr.Jaison Mathew., Asst.Prof., EEE Dept.,	Attended and presented a paper titled "A three level half bridge flying capacitor topology for single stage AC-DC LLC resonant converter" at the IEEE International Conference on Power Electronics, Drives and Energy Systems IEEE PEDES2018 held at Indian Institute of Technology Madrass.	18-21st Dec 2018	10000/-	9038/-	19038
5	Ms.Seeja V.V., Asst.Prof., Physcical Education Dept.,	Attended and presented a paper in the 9th International Conference 2018 on "Yoga as Therapy Scope, Evidence, and Evolution" at Kaivalyadhama Lonavala	27th to 30th Dec 2018	4000/-	6270/-	10270
6	Ms.Seeja V.V., Asst.Prof., Physcical Education Dept.,	attending a workshop on Research Methodology in Sports and Exercise Psychology on 16th to 22nd Jan 2019 at Khumam Lampak Sports Comle, Imphal, Manipur,	16th to 22nd Jan 2019	5000/-	10000/-	15000
7	Dr.Meera V., Asso.Prof., CE Dept.,	Presented a paper titled Aluminium Metal-organic frame works for dye Removal: A Review in the International conference on Green Buildings and Sustainable Engineering (GBSE 2019) held at Rajagiri School of Engineering Kochi	18-21 February 2019	5000/-	-	5000
8	Dr.Meera V., Asso.Prof., CE Dept.,	Presented a paper titled scale control on pipe materials A Review in the International conference on Green Buildings and Sustainable Engineering (GBSE 2019) held at Rajagiri School of Engineering Kochi	18-21 February 2019	5000/-	-	5000
						99297

6.4 Registration fee reimbursement request from Research Scholars

Sl No	Name of student	Program attended	Date of the profgram	Reg. fee	Amount
1	Mr.G.Pavankumar, Research Scholar, (NDF) ,CE Dept.,	Two day National Workshop on Delve into the future of Electric Vehicles organied by EEE Dept., NIT Calicut.,	15th -16th March 2019	2950/-	2950/-
2	Ms.Dimna Denny., Research Scholar, (NDF), CE Dept.,	Two day National Workshop on Delve into the future of Electric Vehicles organied by EEE Dept., NIT Calicut.,	15th -16th March 2019	2950/-	2950/-
					5900/-

6.5 dRegistration fee reimbursement request from M.tech students-

Sl No	Name of student	Program attended	Date of the profgram	Reg. fee	TA/DA	Total Amount
1	Mr.Albert Poulose, M.Tech Power systems, EEE Dept.,	Attended and presented a paper titled Performance Analysis of Load Frequency control for A two-Area interconnected Power systems using Twisting Control on Third International Conference Intelligent Computing and Control Systems (ICICCS 2019)	15th to 17th May 2019	5500/-	-	5500/-
2	Mr.Arun P.B., M.Tech Power systems, EEE Dept.,	Attended and presented a paper titled Synchronverter Based HVDC Transmission for Stability Improvement on Three day International Conference on Intelligent Computing &Control Systems at IEEE at Vaigai College of Engineering , Madurai.	15th -17th May 2019	5500/-	-	5500/-
3	Ms.Kalyani R., M.Tech Power systems, EEE Dept.,	Attended and Presented a paper titled Efficient Operation of Distribution system using optimal DG Placement at International Conference on Intelligent Computing &Control Systems at IEEE at Vaigai College of Engineering ,Madurai	15th -17th May 2019	5500/-	-	5500/-

4	Ms.Saily E.S., M.Tech Power systems, EEE Dept.,	Attended and Presented a paper titled Performance Analysis of Fault Ride-Through Capability for a Voltage Controlled Grid Connected Inverter at International Conference on Intelligent Computing &Control Systems at IEEE at Vaigai College of Engineering ,Madurai	15th -17th May 2019	5500/-	-	5500/-
5	Mr.Antony J Manjila., M.Tech Power systems, EEE Dept	Attended and Presented a paper titled PV-Battery-Grid System Interconnected Through Transformer and Bidirectional DC-DC Converter at International Conference on Intelligent Computing &Control Systems at IEEE at Vaigai College of Engineering ,Madurai	15th -17th May 2019	5500/-	-	5500/-
						27500/-

6.6 Academic Research Programme

Following faculty members and PhD Scholars towards a presentation for the research proposal before the evaluation committee of ALL India Council for Technical Education (AICTE) provided a dedicated Research Promotion Scheme for Research Centers under National Doctoral fellowship (RPS-NDF).

Sl No	Name of Faculty	Date of the programme	TA/DA Amount
1	Dr.N.Sajikumar., Prof., CE Dept., -	28th Feb 2019	16668/-
2	Dr.Meera V., Asso.Prof., CE Dept.,	28th Feb 2019	19240/-
3	Dr.Jiji K.S., Asso.Prof., EEE Dept.,	28th Feb 2019	9101/-
4	Dr.Abdul Saleem P.K., ,Asst.Prof., EEE Dept.,	28th Feb 2019	6330/-
			51339/-
	Name of Students attended this program		
1	Jismy Antony (NDF Scholar, CE Dept.,)	28th Feb 2019	3290/-

Sl No	Name	Date	Amount
2	Ms.Asha Farsana (NDF Scholar, CE Dept.,	**28th Feb 2019**	**3290/**
3	Mr.G. Pavan Kumar., (NDF Scholar, EEE Dept)	**28th Feb 2019**	**3290/**
4	Ms.Dimna Denny (NDF Scholar, EEE Dept.,	**28th Feb 2019**	**3290/**
5	Ms.Najva N., (NDF Scholar, EEE Dept.,)	**28th Feb 2019**	**3290/**
			16450/-

6.7   Various Training programmes attended by faculty

Sl No	Name of Faculty	Programme attended	Date of the profgramme	Reg. fee	Approximate TA/DA	Total Amount
1	Mr.Arun C., Asst.Prof., PE Dept.,	Design for additive Manufacturing conducted by ME Dept., IIITM , Kancheepuram,	06-10 May 2019	7000	4314/-	11314/-
2	Ms.Fasnabi P.A., Asst.Prof., Che Dept.,	Seminar on Woman in Science and Technology –Breaking the glass ceiling at NIT Thiruchirappally	18-23 March 2019	2385/-	-	2385/-
3	Ms.Lali M.J., Asst.Prof., EEE Dept.,	National Workshop on Large Scale Renewable Integration A Prespective on Poer systems Stability organized by EEE Dept., NIT Calicut	08-12 April 2019	7080/-	5600/-	12680/-
4	Mr.Rajesh P., Asst.Prof., Economics	One Week Nationa Workshop on Econometric Tools for business Research organized by Deparmnet of Management studies of the school of Management of Puduchery University	03-09 January 2019	4500/-	9495/-	13995/-
						40374/-

6.8   Inhouse Training programmes

Sl No.	Title of the programme	Department	Coordinator	Date	Amount
1	Two day workshop on Preparing for NBA accreditation of PG Programs in the latest format	Chemical Dept.,	Dr.P.ASoloman,Asso.Prof., Chemical Engg.	29-30 April 2019	61526/-

6.9 Remedial Class

Remuneration for remedial class (English) for Fouzia Aboobacker, faculty engaged by the institution for the month of Jan,Feb,Mar 2019

January 2019 - 6 Hours, February 2019 - 14 Hours, March 2019 - 14 Hours .
 Total –Rs.20400/-(Rupees Twenty thousand four hundred only)

7   Any other item permitted by the chair

- Request from college union for student assistantship
  A representation was received from the Chairman, College Union for granting student assistantship. The same is presented for consideration and further orders.
- Accreditation of programs

Present status: UG programs

Sl. No.	Dept	Course	Branch	Accredited up to	visited on	accredited for	to apply for compliance on or before
1	CE	B.Tech	Civil Engineering	30-06-2020	3-5 Feb 2017	3 years	31-12-2019
2	ME	B.Tech	Mechanical Engineering	30-06-2020	3-5 Feb 2017	3 years	31-12-2019
3	EEE	B.Tech	Electrical and Electronics Engineering	30-06-2020	3-5 Feb 2017	3 years	31-12-2019
4	ChE	B.Tech	Chemical Engineering	30-06-2020	3-5 Feb 2017	3 years	31-12-2019
5	PE	B.Tech	Production Engineering	30-06-2020	28-30 April	3 years	31-12-

					2017		2019
6	CSE	B.Tech	Computer Science and Engineering	30-06-2020	28-30 April 2017	3 years	31-12-2019
7	ECE	B.Tech	Electronics and Communication Engineering	30-06-2020	3-5 Feb 2017	3 years	31-12-2019

All the seven UG programs are accredited provisionally for three years, all expired on 30-6-2019.
There is provision to apply for extension by submitting compliance report before six months of expiry.

Present status: PG programs

Sl. No.	Dept	Course	Branch	Accredited up to	visited on	accredited for	to apply on or before
1	CE	M.Tech	Environmental Engineering	30-06-2020	16-18 March 2018	2 years	31-12-2019
2	CE	M.Tech	Water Resources and Hydroinformatics	SAR uploaded on 21-10-2019			
3	ME	M.Tech	Internal Combustion Engines and Turbo Machinery	Not eligible as UG marks < 650			
4	ME	M.Tech	Production Engineering	30-06-2020	16-18 March 2018	2 years	31-12-2019
5	EEE	M.Tech	Power Systems	30-06-2020	16-18 March 2018	2 years	31-12-2019
6	EEE	M.Tech	Power Electronics	SAR uploaded on 21-10-2019			
7	ChE	M.Tech	Process Control	30-06-2020	16-18 March 2018	2 years	31-12-2019
8	PE	M.Tech	Manufacturing and Systems Management	SAR uploaded on 21-10-2019			
9	CSE	M.Tech	Computer Science	Not eligible as less faculty with PhD during assessment period			
10	ECE	M.Tech	Communication Engineering and Signal Processing	Not eligible as UG marks < 650			

The four programs which were accredited provisionally for two years, all expired on 30-6-2019., three applied last week (21-10-2019) and remaining three are not eligible to apply at present.
There is no provision to apply for extension by submitting compliance report in the case of PG. So SAR has to be uploaded for the presently accredited programs (four programs) on or before 31-12-2019.
As far as the three courses for which just applied are concerned, NBA team visit can be expected in July last week. The institute is planning to request for extension of the visit date as there will not be students available in the campus until the month of August.
The two departments (ECE and ME) who are not eligible to apply for PG as UG marks are <650 are planning not to submit UG compliance, but apply afresh so that if the marks are improved (>650), their PG will become eligible.
The financial requirements for NBA accreditation
   1. Compliance report of 5 UG
   2. New application for 2 UG

3. New application for 4 PG

# courses	Type of application	Fee		Tax @18%		Total	
5 UGs	Compliance	Rs.	5,00,000	Rs.	90,000	Rs.	5,90,000
2 UGs	New application	Rs.	7,00,000	Rs.	1,26,000	Rs.	8,26,000
4 PGs	New application	Rs.	11,00,000	Rs.	1,98,000	Rs.	12,98,000
Total						Rs.	27,14,000

- Submission from Dr. Sumam K S, CE Dept.

Annexure 1

Minutes

20ᵗʰ MEETING OF BOARD OF GOVERNORS

ON 03.05.2018 AT 1.30 PM, IN THE CONFERENCE HALL, GEC, THRISSUR

Sl. No.	AGENDA	Page No.
1	Confirm the Minutes of 19th Meeting of the Board of Governors on 27.03.2017	3
2	Review the actions taken report on the decisions in the 19th Meeting of the Board of Governors.	3
3	Framing of policy decisions for the usage of Four funds in TEQIP-II	3
4	Staff maintenance for the period of usage of TEQIP-II, four funds.	3
5	Allocation of funds under TEQIP-II, four funds.	4
6	Approval of activities under various heads.	5
7	Release of Bank Guarantee	11
8	O/A filed by Dr. Viswanath C Narayanan, Dept. of Mathematics	12
9	Any other item permitted by the chair	13

Members present.

1. **Dr. Ligy Philip, Professor, IIT Madras, Chairman**
2. **Dr. Satish Vasu Kailas, Professor IISc Bangalore**
3. **Shri. Anil Warrier, Head Recruitment, Amazon India, Bangalore.**
4. **Shri. James Raj, Additional Secretary Higher Education Department, GoK**
5. **Dr. Vrinda V Nair, Dean Research, APKAK Kerala Technological University**
6. **Dr. M. NandaKumar, Prof & Head, Electrical & Electronics Engg, GEC Thrissur**
7. **Dr. N. Sajikumar, Prof & Head, Civil Engg, GEC Thrissur**
8. **Dr. B. Jayanand, Principal, GEC Thrissur**

The principal welcomed the members of the reconstituted BoG and sought their creative interventions in future development of the institution as a centre of excellence. He also thanked all the earlier members for their whole hearted cooperation in implementing the project successfully and achieving cent percent utilization of the project fund. He also presented a brief summary of the project execution and laid out further plans for the sustenance activities in the next five years. The Chairman BoG expressed her desire in continuing with the achieved progress and also reminded that the teamwork should continue in moulding the institution as a Centre of Excellence that occupies a premier position among other institutions in the state and bring the institute to national visibility. The Chairman also stressed upon the need to obtain a high rank in the NIRF ranking, which being made mandatory from the next year onwards, and therefore has to be given the prime focus.

After the introductory session, the Principal submitted the 20th BoG agenda notes for discussion. The following decisions were made in the ensuing proceedings.

1. **Confirm the Minutes of the 19th Meeting of the Board of Governors held on 27/03/2017**

   A copy of the Minutes of 19th Board of Governors meeting held on 27/03/2017 was circulated among the members and comments and suggestions on the same were invited. Since there were no changes suggested by any member, it was confirmed.

2. **Review the actions taken report on the decisions in the 19th Meeting of the Board of Governors**

   Reviewed the actions taken on the decisions in the 19th meeting of the Board of Governors and the following suggestions are noted for further actions.

3. **Framing of policy decisions for the usage of Four funds in TEQIP-II**

   It was decided by the BoG to approve the guidelines that have been drawn up. Refer Annexure 1 on page 8. The Programme Implementation Plan of June 2015 will be the basis for the activities being carried out during this period of sustenance of project.

4. **TEQIP Staff maintenance for the period of usage of TEQIP-II four funds**

   BoG ratified the action of the Principal in appointing the Junior Accountant Cum Clerk in the TEQIP office as per procedure outlined and decided to fix the salary as per the conditions laid out in the G.O.(P)No:56/2017/Fin dtd 28.04.2017, as Rs. 710/- per day. However, a monthly cap of Rs. 12,000/- has been fixed currently as per the norms existing in the state. It will be reviewed later depending on the amount of work involved.

5. **Allocation of funds under TEQIP-II, *FOUR FUNDS***

   It is decided that amount currently available may be spent in the ratio of 10% to the Institution (common facilities including non-engineering departments) and the remaining amount apportioned to the 7 engineering departments who were the beneficiaries in the project period in the respective ratio of student strength representation.

   However, the chairman opined to devise a more representative division based on the performance of the department and revenue generated. It was decided to draw up such a division and get it approved in the next meeting. Till then the ratio suggested shall be followed.

6. Approval of activities under various heads

The following proposals reviewed by the academic committee were submitted.

- submission received from Ms.Uma Syamkumar., Asst.Prof., EEE dept., & Mr.Suresh K.Damadaran., Asst.Prof., EEE Dept., for international travel under ITSS to present a paper at IEEE Region 10 Conference TENCON 2017 at Penang, Malasia from 05 -08 Nov 2017.

- proposals received from Ms. Smrithi K., and Mr. Hareesh A., Research Scholars of EEE Dept.,

- Proposal received from Mr.Manisankar B., M.Tech Power Electronics., EEE Dept., for reimbursement of Registration fee for paper presentation amounting to 300 Singapore dollars (Rs.14363/- Rupees Fourteen thousand three hundred and sixty three only).

- Proposal received from Mr. P.A.Abdul Samad, Asst.Prof., ME Dept., for reimbursement of Registration fee for presenting a technical paper "effect of air jet on bluff body stabilized flame : validation by simulation" for an amount of Rs.4000/- (Rupees four thousand only) in the international Conference ICETEST held at GEC Thrissur.

- Proposal received from Mr. Joseph K D., Asst.Prof., EEE Dept., for reimbursement of Registration fee for presenting a technical paper "effect of air get on bluff body stabilized flame : validation by simulation" for an amount of Rs.3400/- (Rupees three thousand four hundred only).

- The submission received from Mr. Joseph K.D., Asst.Prof., EEE Dept., for the reimbursement of fee for the professional body membership in IEEE for the year 2018.

- The proposal submitted by Dr.N.Sajikumar, Prof., CE Dept., for the reimbursement of Registration fee and TA/DA expenses incurred for attending and presenting a paper titled "Incorporation of GIUH into the SWAT Model in an International conference at IIT Madras during 10-12 Jan 2018.

a)   BoG resolved to proceed with the ITSS schemes as per the existing procedure and forward to SPFU for further action. b) c) It was decided to reimburse the registration fee to the research scholars with respect to their paper presentation. d) e) BoG decided to accept proposal and proceed further in this matter. e) BoG decided to reimburse half the amount of the subscription amount. f) BoG decided to release the TA/DA expenses to Dr. N. Saji Kumar.

7. Release of Bank Guarantee

It is decided to release the bank guarantee submitted in lieu of the performance security by M/s Megger India Pvt. Ltd., Bombay in the case of the Package, Energymeter Test station.

8. O/A filed by Dr. Viswanath C. Narayanan, Dept. of Mathematics

It was decided by the Board of Governors to take appropriate decision as per rules under TEQIP-II and as per the advice of the National Project Implementation Unit, the same is still awaited.

9. Any other item permitted by the chair

The following items were considered and the decisions taken are as noted against.

1. Request from Dr. Jiji K S, Convener, ICETEST 2018 for funding the International Conference ICETEST 2018 amounting to Rs. 17,40,223/-

BoG decided to proceed with the proposal observing the existing rules of TEQIP-II to fund such events.

2. Fixing of Honorarium for IIT faculty for visiting faculty programme.
Decided to propose an amount of Rs. 10000/- per day for international faculty and get it sanctioned from the Government.

3. Starting of new PG programmes in CE department.
It was decided to proceed with the proposal for starting the PG course on Structural Engineering. Regarding the PG course on Health Safety and Environment Management, BoG decided to keeps the proposal pending. A Detailed proposal including the syllabus and faculty handling the courses has to be submitted before a decision could be made.

4. Approval of committees for the utilization of TEIPQ-II FOUR FUNDS.

BoG approved the committee submitted by the Principal, for the period. The committee constitution is as per Annexure 2 Page 14.

Suggestions by BoG

1. As regards funding for presentation of papers in international conferences and journals, BoG suggested that

a) A faculty can be given Rs. 10,000/- per year maximum for presenting a paper in International conference held in India.
b) A faculty can be given a 50% of the total expenses incurred in presenting a paper in an International Conference outside India subject to a maximum of Rs. 50,000/- once in 3 years.

c) Students can also be funded if they demonstrate research capability. Only registration fee will be reimbursed in their case.

2. Shri. Anil Warrier suggested that the placement has to be remodeled as a bootcamp process.

Annexure 1

GUIDELINES FOR THE EFFECTIVE UTILISATION OF FOUR FUNDS

1.   MAPPING OF THE PROJECT SUB HEADS INTO FOUR FUNDS HEADS.

The following suggested mapping scheme is approved.

TEQIP-II Four fund head	TEQIP-II project fund subhead
Corpus Fund	IoC (Meetings and other sundry expenses)
	Academic Reforms
	Academic support for Weak Student
	Enhancement of R & D
	Enhanced interaction with Industry
	Assistantship
Faculty Development Fund	Faculty and Staff Development
	Institutional Management Capacity Enhancement
Equipment Replacement Fund	Procurement
Equipment Maintenance Fund	IoC (AMC)

2.   SUMMARY OF AVAILABLE FOUR FUNDS AND ITS UTILISATION Corpus fund

- Conducting BoG meetings -minimum two in each year
- Salary expenses of contract staff in the post clerk cum Accountant (One post) as per Government norms.
- TEQIP Office Expenses
- TA/DA for attending meetings(deputed by the Principal)

- Hiring professional services for TDS filing, financial auditing Student Support activities.

- Conducting high intensity training (of at least 2weeks duration) for student development of soft and professional skills.

- Presenting papers in Conferences / Seminars.

- One day Industrial visit, placement related activities etc.under IIIC

Faculty Development Fund

- Expenditure on faculty members attending training in subject domain

- Expenditure on organizing in-house subject area training Programs, Workshops/ seminars/symposium /conferences.

- Expenditure on participation by faculty in Seminar/ Conferences/ workshop, etc. Expenditure on short term programs with industry.

Equipment Replacement Fund

- Replacement of obsolete furniture and equipment including computers and related devices. Upgradation of software purchased under TEQIP-II.

Equipment Maintenance Fund

- Maintenance of furniture and equipment including computers and related devices. Purchasing of consumables for the training activities in connection with the TEQIP

- Equipment.

- AMC and repair for items procured under TEQIP II

2. GUIDELINES FOR THE CONDUCT OF FSD PROGRAMMES USING FOUR FUNDS

In-house Program

1. The program proposal with the activity plan and brochure must be submitted through the department, with clear recommendations indicating the experts, expected benefits and beneficiaries of the program. The program proposal will be verified and approved by the Academic committee and Finance Committee before submitting to the BoG for approval/ratification. The decision of the BoG will be final.

2. The minimum qualification of experts for the programs will be (i) PhD/M Tech for those from academic institutions and (ii) For resource persons from industries: designated as Manager or above in the working industry or has minimum 5 years of industrial experience in the related area with basic engineering degree or (iii) a distinguished professional as recommended by the Academic committee. However, the academic committee can decide the qualifications/experience judiciously for the academic and industrial experts wherever necessary, subject to the ratification of BoG.

3. The TA/DA for experts will be as per Govt. of Kerala/TEQIP-II norms.

4. Settlement of the programs should be done within 3 weeks.

5. It is desirable that at least 50% of the participants of the programs are from other institutions. The fee to be collected can be fixed by the coordinator and the department, with approval from academic committee.

External Programs

1. Relevance of course should be scrutinized by concerned departments. (Justification by HoD/ Department Committee needed)

2. The faculty deputed for the program has to conduct an in-house program on the subject area in which he/she received training or assist in purchasing equipment for the department lab in the area of specialization or guide the students in doing projects under TEQIP or schemes like DST/CERD, etc.

3. While selecting courses, courses from premier institutions shall be preferred. Academic Committee has to evaluate the relevance of the program and give directions on how the course can be made beneficial for other faculty and staff in the institution.

4. Settlement of the programs must be done within 3 weeks of completion of the programme by the concerned faculty/staff.

5. The Faculty/Technical/Administerial staff will be permitted to attend an external program, if the department strongly recommends the program stating the benefits to the students, department and the institution.

6. The maximum number of participants for a particular program from the institution is limited to two.

7. The number of programs that can be attended by a faculty is limited to one per semester and by a staff to one per annum. However, in cases when a faculty/staff is deputed by the institution under special circumstances, that course is not counted to the number of permissible courses.

8. The total expenditure including registration fee, TA/DA for attending program etc per program using Faculty development fund is limited to Rs.10,000/- for faculty and Rs.7,000/- for staff.

9. Air journey will be permitted to eligible faculty, only if the Principal and Finance committee recommend based on fund availability considering the nature of the program/meeting to be attended, intimating to the BoG Chairman for endorsement. Final approval will be given only after obtaining the ratification of the subsequent BoG.

10. The faculty will be permitted to present papers in reputed conferences using the faculty development fund, with the approval of R & D Committee. Only oral presentations in the conferences will be funded.

11. The TA/DA for the faculty and staff to attend programs will be as per Govt. of Kerala rules and be subject to the actual produced. The room rent for the faculty/staff are limited as follows

Grades	Metro cities (In rupees)	Other cities (In rupees)
Grade 1	1500	1000
Grade II (a)	1500	1000
Grade II (b)	1000	750
Grade III	1000	750
Grade IV	750	600

3. GUIDELINES FOR THE CONDUCT OF STUDENT SUPPORT PROGRAMMES

Remedial/Bridge Course, Students Training Programs, Internship, Conference, etc.

1. The remedial class shall be offered by a faculty other than the one who taught the subject. However, exemption in this regard may be given by the committee in such cases where an alternative cannot be found.

2. The number of students in a class who are eventual benefactors for remedial classes should be at least 15% of the class strength. However, the EAP committee can make a judicious decision, based on the recommendations of the HoD wherever the number of students is less, subject to the ratification of BoG. The attendance of students enrolled for the program must be compulsory and monitored by the HoD.

3. The department has to monitor the results of the benevolent students and the HoD has to submit a report to the TEQIP office as and when the results are published.

4. Bridge courses in mathematics for Lateral Entry (LET) students, can be offered subject to a maximum of 10 hours.

5. External subject experts can be hired for conducting remedial / bridge classes at Rs.600/hour, if found necessary. For internal experts the amount is limited to Rs.500/hour. No TA/DA will be admissible for the experts.

6. Remedial classes shall be arranged only for helping the students in understanding difficult topics, which was already covered by the Instructor. The maximum number of remedial hours is limited to 15% of the total number of hours as per the university curriculum.

7. Counseling experts can be invited to the campus for interacting with needy students under this scheme. The remuneration payable for the experts is as per FSD norms. The expert TA/DA will be as per TEQIP-II rules and as per the norms under FSD program. The expert selected must be a reputed person with a minimum experience of 5 years in the area of counseling. However, the EAP committee can make a judicious decision on the experience of the expert available and recommend to the Principal. The effectiveness of the program should be reported to the TEQIP office every 6 months, by the program coordinator.

8. Coaching classes for appearing in competitive examinations like GATE, CAT, MAT, etc can be conducted subjected to a maximum of 20 hours per branch per year, recommended by EAP committee.

9. Students attending reputed conferences for oral presentation can be funded through this scheme. The maximum amount payable is Rs. 2000/-.

10. A paper published, from the project work done in the institution, in an SCI index journal may be awarded an amount of Rs. 5000/- to the faculty subject to the recommendation of the R & D Committee and approval of BoG.

11. Training programs / workshops from industries, placement related training programmes may be conducted by the approval of the III Cell committee and the subsequent approval of BoG. For training programmes/workshops from industries, The expert should be an engineering graduate with minimum five years experience or a post graduate with three years experience in the relevant area.

12. High intensity skill development programs (a minimum of two weeks duration) for development of soft and professional skills can be conducted. The IIIC committee has to decide judiciously and recommend the program for approval of the Principal and intimate the same to the BoG chairman. Final approval will be given subject to the ratification of subsequent BoG.

13. Financial support may be granted to a maximum of two R & D projects in each department, with the recommendation of the HoD and approval from R&D committee. The permissible support will be decided by the committee, subject to a maximum of Rs.5000/- as seed money per project.

14. Industrial visit to Govt. /Semi Govt. /Public Sector/Premier private industries will be funded based on the recommendations of the department, IIIC and the finance committee. Only the days of industrial visit will be considered for funding subject to a maximum of Rs.5000/- per batch (of minimum 10 students).

Annexure 2

Academic

Committees for the Utilization of TEQIP-II Four Funds

Dr. C. D.Anil Kumar (Nodal officer)
Dr. Sumam K S
Prof. Preetha K P
Prof. Uma Syam Kumar
Prof. Sathi P H
Prof. Jibi K K
Prof. Ajeesh K N
Prof. Jayasree M

Procurement

Prof. I.M. Chandran (Nodal officer)
Subhadra P R
Dr. Anjana R
Dr. Manjith Kumar B
Technical Storekeeper
Jr . Supdt. Purchase
Head Accountant

Training

Prof. Jose Sebastian T K (Nodal officer)
Prof. Anitha P H
Prof. Manoj N
Dr. Sathish K P
Prof. Mahipal D
Dr. K P
Mohanan Prof.
Rajesh P

Equity Assurance

Prof. K.N. Chandrabose (Nodal Officer)
Dr. Vinod p Raphael
Dr. Seena P
Dr. Lalu P P

Prof. Ashiq Babu K K
Dr. Gopakumar B
Prof. Ajay James
Prof. Job Chungath
Prof. Parameswaran M
Prof. R. A. Abdul Jamal

III Cell

Prof. Fasnabi P A (Nodal officer)
Prof. Anand Lali Neera
Prof. Vipin Kumar K S
Prof. Sourabh Sahadev
Dr. Rajesh Vanchipura

Finance

Dr. Haris Naduthodi (Nodal Officer)
Dr. Jiji K S
Prof. Minimol Pieus
Accounts   Officer
Supdt. Accounts
Prof. Anil Rajagopal

Executive committee consists of Principal (Chairman), Heads of Departments and Nodal Officers.

Annexure 2

Action Taken Report

Sl. No	Suggestion	ActionTaken	Action by
1	Conduct of Placement drives as bootcamp.	The item was discussed in the executive meeting of the Placement cell and it was decided to execute it from the year 2019-20 onwards.	Placement coordinator
2	Allocation of funds on performance criterion	The present period is one where activities have been not much to judge performance. The same shall therefore be implemented from the next BOG onwards.	HoDs Finance Nodal Officer
3	Performance monitoring of Remedial class conduct	The reports submitted by departments include the improvements in assessments made to reflect the effectiveness.	HoDs

Annexure 3

Name of Fund	Category /Head of Expenditure	Sub Activity	
corpus fund	Academic support for students	Expenditure incured on research projects taken by UG/PG students	
		Expenditure incured on research publications	
		Remedial Class	
		Visiting Faculty	
		Industry Institute Interaction	
		Skill Development & Others	
		Total	
	Incremental operating cost	Salary	
		BoG meetings	
		Stationary and other expenses	
		Others	
	Total		
Faculty and Staff Development Fund	FSD	Expenditure on faculty members attended training in subject domain	
		Expenditure on faculty members attended pedagogical training	
		Expenditure on organising inhouse subject area training programmes/workshops/seminars/conferences etc	
		Expenditure on participation by faculty in external seminars/conferences/workshops etc	
		Expenditure on staff development	
		Others	
	Total		
Equipment Replacement Fund	ERF	Equipment	
		Books	
		Software	
		Furniture	
		Others	
	Total		
Equipment Maintenance Fund	ECMF	Equipment Maintenance	
		Civil Works	
		Others	