

22<sup>nd</sup>

## Meeting of Board of Governors



Government Engineering College  
Thrissur-680009

On

13<sup>th</sup> Dec 2019 Friday at 10:00 AM

In the Conference Hall

## MEETING OF 22<sup>nd</sup> BOARD OF GOVERNORS

ON 13.12.2019 AT 10.00 AM, IN THE CONFERENCE HALL, GEC, THRISSUR

### AGENDA

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1	Confirm the Minutes of 21 <sup>st</sup> Meeting of the Board of Governors on 25/06/19	3
2	Review the actions taken report on the decisions in the 21 <sup>st</sup> Meeting of the Board of Governors.	3
3	Presentation of activity reports by nodal officers	
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4	Amendment of policy item for expenditure in conduct of External programs	18
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6	Ratification of activities carried out.	23
7	Allocation of funds	25
8	Student assistantship for PG students	25
9	TEQIP Staff maintenance for the period of usage of TEQIP-II fourfunds	25
10	Any other item permitted by the chair	25

## AGENDA- Notes

### 1. Approval of Minutes of 21<sup>st</sup> BOG Meeting held on 25.06.2019

Minutes of previous BOG Meeting is attached as Annexure-I. (page no.26)

### 2. Review the action taken report on the decisions in the 21<sup>st</sup> meeting of the Board of Governors

No.	Decision Item	Action Taken	Action by
1	BoG suggested to take efforts to get NIRF ranking (one faculty and staff each from every department should be assigned the responsibility)	BoG member Dr. N. Saji Kumar was appointed as the coordinator for this activity and the data was collected and application submitted on 29/11/2019	Principal
2	Regarding accreditation, it was advised to give awareness to students about the need to get accredited and its benefits.	All Department HoDs briefed the students about this during the induction to the semester on the first day of classes.	HoDs
3	BoG asked to take steps in getting increased number of IPR output.	Dr. Haris Naduthodi visited IISc Bangalore in Oct 2019 and attended a training program on IPR Awareness. IPR cell is to be reconstituted and new policy to be framed	IPR Cell coordinator
4	BoG asked to give feedback on why there is an increased failure in Engineering Graphics in the result analysis presented.	The matter was analyzed in the academic committee meeting	Academic coordinator
5	BoG suggested to explore the disparity between pass percentage and placement rates for PG programs.	It was informed by the Placement cell coordinator to the academic committee that it was due to i) lesser opportunities provided by recruiters ii) lesser orientation given to PG students regarding placements	Academic coordinator Placement coordinator

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

#### 3.1 Presentation of Activity Report on Academic

##### Faculty Publications

Dept.	International Journals			International Conferences			Total No. of SCI Indexed journal publications during the period	
	2018-2019	2019-2020	Total	2018-2019	2019-2020	Total	2018-19	2019-20
CE	9	2	11	2	7	9	4	2
ME	4	7	11	2	6	8	3	4
EEE	9	3	12	21	8	29	4	2
ChE	7	-	7	12	-	12	6	1
PE	24	8	32	-	2	2	-	-
ECE	5	2	7	4	-	4	2	2
CSE	6	-	6	9	-	9	1	-
<b>Total</b>	<b>64</b>	<b>22</b>	<b>86</b>	<b>50</b>	<b>23</b>	<b>73</b>	<b>20</b>	<b>11</b>

Department	National Journals			National Conferences		
	2018-2019	2019-2020	Total	2018-2019	2019-2020	Total
CE	-	-	-	28	-	28
ME	-	-	-	6	5	11
EEE	-	-	-	-	-	-
ChE	1	-	1	17	-	19
PE	-	-	-	-	2	2
ECE	-	-	-	18	-	18
CSE	-	-	-	5	-	5
<b>Total</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>69</b>	<b>7</b>	<b>83</b>

**Pass percentage and rank details of 2015-19 B.Tech batch (First batch under APJKTU)**

Department	CE	ME	EEE	ChE	PE	CSE	ECE
<b>Pass percentage of 2019 passout batch*</b>	83/96 (86.45%)	86/115 (75%)	99/113 (87.6%)	45/55 (81.8%)	29/34 (85.3%)	59/69 (85.5%)	45/68 (66%)
<b>University ranks in top 10</b>	-	1,3,9	10	3,5,8,10	1,2,3,4,5, 6,7,10	6	-

**\*Percentage of students who successfully completed B.Tech in the stipulated period**

Transition rate of different batches in the academic year 2018-19 is as given below:

Department	CE	ME	EEE	ChE	PE	CSE	ECE
<i>Transition rate (from S<sub>2</sub> to S<sub>3</sub>)</i>	81/94 (86%)	88/105 (84%)	89/99 (89%)	40/49 (81%)	24/28 (85%)	.52./62 (84%)	49/63 (78%)
<i>Transition rate (from S<sub>4</sub> to S<sub>5</sub>)</i>	86/104 (83%)	95/116. (82%)	87/111 (78%)	41/54 (75%)	25/32 (78%)	48/68. (71%)	53/69 (77%)
<i>Transition rate (from S<sub>6</sub> to S<sub>7</sub>)</i>	82/99 (83%)	86/115. (75%)	88/112 (78%)	39/53 (74%)	26/33 (80%)	59/68 (87%)	54/68 (79%)

The table below shows the percentage of students graduated from our institute during the period 2018-2019.

2018-19														
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	83	35	86	29	90	32	45	14	24	17	45	18	59	19
Total No.of students appeared	96	36	115	32	115	32	55	17	31	18	68	18	69	19
% graduated	86.5	97.2	75	91	78.2	100	81.8	82.35	77.4	94.4	66	100	85.5	100

**Placement details:**

247 students from B.Tech and 30 students from M.Tech programme got placed through campus placement in 2019-20.

TCS, CTS, Infosys, Reliance, Nissan Digital, South Indian Bank and Federal Bank were some of the major recruiters from the campus.

UG: 2016 Admission, PG: 2018 Admission

Dept.	CE		ME		EEE		ECE		CSE		CHE		PE		Total	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
<b>Students registered</b>	90	14	113	29	105	32	65	16	67	17	53	15	29	13	522	136
<b>Offers received</b>	31	2	56	7	88	6	68	7	77	5	16	1	16	5	352	33
<b>Students Placed</b>	27	2	47	6	61	5	41	6	47	5	13	1	11	5	247	30

Placement percentage of UG students (w.r.t. Total number of students registered) = **67 %**

Placement percentage of PG students (w.r.t. Total number of students registered) = **22 %**

A summary of the placement for the period from **2018-2019** is given in the table below

<b>2018-2019</b>																
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
<b>Students registered</b>	77	21	107	26	101	30	51	16	30	15	64	18	69	15	499	141
<b>Offers received</b>	22	1	71	9	74	5	25	1	19	5	70	4	85	13	366	38
<b>Students Placed</b>	21	1	57	7	59	5	19	1	18	3	47	3	53	10	274	30

Placement percentage of UG students (w.r.t. Total number of students registered) = **55%**

Placement percentage of PG students (w.r.t. Total number of students registered) = **21 %**

## Research and Development

The details of PhD scholars pursuing/completed PhD in the institution and their status of completion is given below

### List of scholars registered under Calicut University

Sl. No.	Name of PhD student	Name of Guide	Dept.	Regular/Part time (R/PT)	Academic Year of admission	Degree awarded(Y/N)	If so degree awarded in the academic year
1	Indu P Nair	Dr. Anasraj R	EE	R	2012-13	Y	2017-18
2	Maya K N	Dr. Jasmine. E. A	EE	R	2013-14	Y	2017-18
3	Benzy V.K	Dr. Jasmine. E. A	EE	R	2013-14	Y	2017-18
4	Shibily Joseph	Dr. Jasmine. E. A	EE	R	2014-15	N	
5	Renukadevi V	Dr. Jayanand. B	EE	R	2013-14	Submitted	
6	Blessy Thomas	Dr. Sumam K.S.	CE	R	2014-15	N	
7	Maya U C	Dr. Meenakshy. K	EE	R	2013-14	N (Thesis submitted)	
8	Shwetha C	Dr. Meenakshy. K	EE	R	2014-15	N	
9	Lisy E R	Dr. Nandakumar. M	EE	R	2013-14	N (Thesis Submitted)	
10	Suhara E M	Dr. Nandakumar. M	EE	R	2013-14	Y (Awarded)	2018-19
11	Anoop K	Dr. Nandakumar. M	EE	R	2013-14	N	
12	Neethu Varghese	Dr. Reji P	EE	R	2013-14	N	
13	Jayakumar P	Dr. Reji P	EE	R	2014-15	N	
14	Adil Nazer	Dr. Reji P	EE	R	2013-14	N	
15	Ramkumar P.N	Dr. Satish K.P	EE	R	2013-14	N (Thesis Submitted)	
16	Ramdas T	Dr. Satish K.P	PE	R	2013-14	Y	2017-18
17	Muhhammed Iqbal C	Dr. Shalij P.R	PE	R	2013-14	N (Thesis Submitted)	
18	Biju TL	Dr. Shalij P.R	PE	R	2012-13	Y	2016-17
19	Jeeva K A	Dr. Sheeba V.S.	ECE	R	2014-15	N	

20	Remya George	Dr. Meenakshy. K	EE	R	2014-15	N(Thesis submitted)	
21	Sam Joshy	Dr. Jayadevan. K. R	ME	R	2014-15	N	
22	Divya. A. H	Dr. Soloman. P. A	CHE	PT	2012-13	N	
23	Sagar.M.Narayanan	Dr. Pradeep M Kamath	ME	R	2014-15	N(synopsis over)	
24	Anu.P.Anil	Dr. Satish K.P	PE	R	2014-15	Y	2018-19
25	Sajan M P	Dr. Shalij P.R	PE	R	2014-15	Y	2018-19
26	Jisha Kuruvilla P	Dr. Anasraj R	EE	PT	2012-13	N	
27	Subadhra P R	Dr. Anasraj R	EE	PT	2012-13	N	
28	Jose Sebastian	Dr. Jayanand. B	EE	PT	2012-13	N	
29	Preetha K P	Dr. Jayanand. B	EE	PT	2013-14	N	
30	Uma Syamkumar	Dr. Jayanand. B	EE	PT	2013-14	N	
31	Ajmal	Dr. Jayanand. B	EE	PT	2014-15	N	
32	Sijo MT	Dr. Jayadevan. K. R	ME	PT	2013-14	N (Thesis submitted)	
33	Sunny T.D	Dr. Meenakshy. K	EE	PT	2014-15	N	
34	Manilal A.M	Dr. Soloman. P. A	CHE	PT	2013-2014	N	
35	Sosamony.K.J	Dr. Soloman. P. A	CHE	PT	2013-2014	N	
36	Minimol Pieus	Dr. Soloman. P. A	CHE	PT	2013-2014	N	
37	Francis John. V	Dr. Soloman. P. A	CHE	PT	2013-2014	N	
38	Mary C Kurian	Dr. Shalij P.R	PE	PT	2013-14	N	
39	Ayush K R	Dr. Pradeep M Kamath	ME	PT	2013-14	N	
40	Renuka T K	Dr. Reji P	EE	PT	2013-14	Thesis Submitted	
41	Sija Gopinathan	Dr. Reji P	EE	PT	2013-14	N	
42	Miji Cherian R.	Dr. Sajikumar N	CE	PT	2013-2014	N	



43	P.V. Gopinadhan	Dr. Satish K.P	PE	PT	2013-14	N	
44	Pradeep M	Dr. Satish K.P	PE	PT	2013-14	N	
45	M.Parameswaran	Dr. Shalij P.R	PE	PT	2013-14	N	
46	Manmohan C.M.	Dr. Shalij P.R	PE	PT	2013-14	N	
47	Abdul Samad P.A	Dr. Shalij P.R	PE	PT	2014-15	Y	2019-20
48	Rajesh Menon B	Dr. Shalij P.R	PE	PT	2014-15	N	
49	R Jayadevan	Dr. Sheeba V.S.	ECE	PT	2013-14	N	
50	Job Chunkath	Dr. Sheeba V.S.	ECE	PT	2013-14	N	
51	Premanand B	Dr. Sheeba V.S.	ECE	PT	2013-14	N	
52	Binitha Mampully	Dr. Sheeba V.S.	ECE	PT	2014-15	N	
53	Rani L	Dr. Sheeba V.S.	ECE	PT	2014-15	N	
54	Ali M A	Dr. Jasmine. E. A	EE	PT	2013-14	Y	2018-19
55	Muneera C R	Dr. Jasmine. E. A	EE	PT	2013-14		
56	Remani T	Dr. Jasmine. E. A	EE	PT	2013-14	Y	2018-19
57	Jeena Joy	Dr. Jasmine. E. A	EE	PT	2014-15	N	
58	Anilkumar K R	Dr. Meenakshy. K	EE	PT	2013-14	N	
59	Nikhil C R	Dr. Meenakshy. K	EE	PT	2013-14	N	
60	Mini P R	Dr. Nandakumar. M	EE	PT	2013-14		
61	M.Jayakumar	Dr. Nandakumar. M	EE	PT	2014-15	N	
62	Sudheer Padikkal	Dr. Sumam K.S. /Dr.Sajikumar	CE	PT	2013-2014	N(submitted)	
63	Aseem K	Dr. Nandakumar. M	EE	PT	2013-2014		
64	Sanish Kumar T G	Dr. Nandakumar. M	EE	PT	2013-2014		
65	Jayasoorya J	Dr. Reji P	EE	PT	2013-2014		
66	Cini K	Dr. Jasmine. E. A	EE	PT	2013-14	N	

## Retention of Research guides in the Institution

Out of the 29 research guides in various departments of the institution, 23 were retained in the institution during the past 3 years

### Remedial classes conducted

Academic Year: 2019 – 2020 (Current Semester up to 7<sup>th</sup> November 2019)

#### Department of Civil Engineering

Semester	Subject	Faculty handled	Number of hours engaged	% of improvement
1	Engineering Graphics	Prof. ShahanaShirin A H	2 hrs	13%
	Linear Algebra and Calculus	Ms. Sreereshmi N	6 hrs	33%
3	Linear Algebra and Complex Analysis	Ms. Sarika Mohan	7 hrs	67%
5	Geotechnical Engineering I	Prof. Aswathy R	1 hrs	6%
	Structural Analysis II	Prof. Sameena Khalid	5 hrs	28%
7	Quantity Surveying and Valuation	Prof. Silpa Mohan K	2 hrs	36%
	Design of Steel Structures	Prof. Gokul A	3 hrs	43%
	Structural Analysis III	Prof. Sameena Khalid	8 hrs	72%

#### Department of Computer Science and Engineering

Semester	Subject	Faculty	No. of hours engaged	% of improvement
1	Linear Algebra and calculus	Ms. Sreelekshmi N	6 hrs	60
3	Switching Theory and Logic Design	Mr. Ali Akbar	8 hrs	33
5	Theory of Computation	Ms. Kala M T	7 hrs	50

### Department of Mechanical Engineering

semester	Subject	Faculty handled	Number of hours engaged	% improvement
1	Calculus	Prof. Sreereshmi N	6	40%
1	Basics of Electrical Engineering	Prof. Sariga Mohan	2	35%
2	Differential Equations	Prof. Sariga mohan	6	Ongoing
5	Heat and Mass Transfer	Prof. Arjun P K	3	43%
1	Basics of Electronics Engineering	Prof. Garnet Wilson	2	30%
1	Basic Mechanical Engineering	Prof. Rahul Ravi	4	38%

### Department of Production Engineering

Semester	Subject	Faculty handled	Number of hours engaged	% improvement
1	Engineering Mechanics	Prof.Aju.K..S.	14	56
3	Fluid Mechanics	Harikumar A.R.	3	42

### Department of Electrical & Electronic Engineering

Batch	Subject	Faculty	Number of hours engaged	% improvement
S1	Graphics	Prof Praveen, Dept of PE	3	35
S1	BCE &BME	Prof.Rahul Ravi	4	33
S3	DCMT	Prof Suhara, Dept of EE	3	45

## Department of Chemical Engineering

Batch	Subject	Faculty	Number of hours engaged	% improvement
S4	Thermodynamics	Dr Manju M.S.	3	Ongoing
S4	Chemistry for process Engineers	Prof. Vinod Raphael	2	Ongoing
S4	Process heat transfer	Prof. Mercy Anna Philip	2	Ongoing

### Major National level achievement in the current Academic year

Team representing our Institution was the overall second runner up at the national level tractor design competition conducted by SAE

The same team won the third position in the 'best durability' category of the tractor design competition.

### Status of NBA Accreditation:

All the 7 UG programmes accredited for 3 years.

Compliance report submission for extension of accreditation status for further 3 years underway.

Four of the 11 UG programmes accredited for 2 years.

Three of the accredited 4 PG programmes got extension of accreditation for further one year.

SAR submitted for 3 PG programmes and awaiting visit of the NBA team

### 3.2 Presentation of Activity Report on Procurement

Proposals approved in the previous meeting are undergoing the purchase process for replacement and maintenance. Fresh proposals for replacement and maintenance amounting to Rs. are submitted for approval.

### 3.3 Presentation of Activity Report of III Cell Unit

The following expert talks have been conducted by the cell during the period.

Sl No.	Name of Expert	Name of the programme	Coordinator of the programme	Expenditure
1	Athira Krishnan R., Asst.System Engineer	Introduction to Robotic Operating System on 23.09.2019	Ms.Lisy Raphael., Asst.Prof., EEE Dept.,	6983
2	Mr.Hameem C.Hamza,Load Engineer,Bangalore	Practical Approach to DSP	Ms.Lisy Raphael., Asst.Prof., EEE Dept.,	8430
				<b>Rs.15413/-</b>

4 Faculty members from Chemical Engineering Department namely Dr. Manju M S, Dr. Praseetha P Nair, Mr. Manilal A M, and Dr. Subin Poulouse undertook an industrial visit to Carborundum Universal Ltd.,CUMI ,Kalamassery , for discussions on signing MoU between the Institution and CUMI on 08.11.2019.

An industrial Visit to Sowparnika Thermistors and Hybrids Pvt. Ltd., Kolazhy was undertaken by a team from Chemical Engineering Department c

### 3.4 Presentation of Finance Activity Report for the period upto Dec 10<sup>th</sup> 2019

Department wise expenditures under the various heads since the last BoG are as given in page no. 14 and 15.

The fund position and expenditure details are shown in Pages 16 and 17.

The balance amounts remaining to be spent against the various heads are

At present, the funds available under the various heads are

- Corpus Fund : Rs.57,93,262/-
- Faculty& Staff Develop. Fund : Rs.71,82,423/-
- Maintenance Fund : Rs.67,75,208/-
- Equipment replacement : Rs.69,02,473/-

Name of the Fund	Category of expenditure(Head of expenditure)	Sub-Activity	CE	ME	PE	EEE	ECE	ChE	CSE	Institution	
1	2	3									
Corpus Fund	Academic support for students	Expenditure incurred on research projects taken by UG/PG students	4060	0	0	11990	0	0	0	0	
		Expenditure incurred on research publications	0	0	0	27500	0	0	0	0	
		Remedial Class	8058	8057	8057	8057	8057	8057	8057	0	
		Visiting Faculty	139300	0	0	27697	0	19540	0	0	
		Industry Institute Interaction									
		Skill Development & Others	2111	2111	2110	2110	2110	2110	2110		
		Total									
	Incremental operating cost	Salary									233960
		BoG meetings									96746
		Stationary and other expenses									9849
		Others	0	0		21004	1770	0	0	13805	
Total Utilisation from Corpus Fund											
Faculty Development Fund	FSD	Expenditure on faculty members attended training in subject domain	0	0	10594	10303	25197	2266	30555	11952	
		Expenditure on faculty members attended pedagogical training	14000	7000	0	7000	0	0	0	0	

		Expenditure on organising inhouse subject area training programmes/workshops/seminars/conferences etc	0	0	0	71000	228695	163977	56114	
		Expenditure on participation by faculty in external seminars/conferences/workshops etc	59581	20000	0	52913	15000	0	10580	28559
		Expenditure on staff development								
		Others								
	Total									
Equipment Replacement Fund	ERF	Equipment								
		Books								
		Software								
		Furniture								
		Others								
	Total									
Equipment & Civil Maintenance Fund	ECMF	Equipment Maintenance								
		Civil Works								
		Others								
	Total									
Grand Total			<b>227110</b>	<b>37168</b>	<b>20761</b>	<b>239574</b>	<b>280829</b>	<b>195950</b>	<b>51302</b>	<b>450985</b>

**TEQIP II FOUR FUNDS UTILIZATION**

<b>Name of the Fund</b>	<b>Category of expenditure (Head of expenditure)</b>	<b>Sub-Activity</b>	<b>Total Expenditure up to 10.12.2019</b>	<b>Committed expenditure for the month of Dec to Feb 2020</b>	<b>Expenditure in Pipeline Mar 2020 to May 2020</b>	<b>Total planned Expenditure before Next boG</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>(7=4+5+6)</b>	
Corpus Fund	Academic support for students	Expenditure incurred on research projects taken by UG/PG students	16050	7500	0	23550	
		Expenditure incurred on research publications	27500	27886	0	55386	
		Remedial Class	56400	20000	25000	101400	
		Visiting Faculty	186537	24606	50000	261143	
		Industry Institute Interaction	0	88383	0	88383	
		Skill Development & Others	14772	0	0	14772	
		<b>Total</b>	<b>301259</b>	<b>168375</b>	<b>75000</b>	<b>544634</b>	
	Incremental operating cost	Salary	233960	36000	36000	305960	
		BoG meetings	96746	55000	0	151746	
		Stationary and other expenses	9849	5000	5000	19849	
		Others	36579	0	0	36579	
	<b>Total Utilisation from Corpus Fund</b>			<b>678393</b>	<b>264375</b>	<b>116000</b>	<b>1058768</b>
	Faculty Development Fund	FSD	Expenditure on faculty members attended training in subject domain	90867	132580	0	223447
Expenditure on faculty members attended pedagogical training			28000	5000	0	33000	
Expenditure on organising inhouse subject area training programmes/workshops/seminars/conferences etc			519786	60000	2420000	2999786	



		Expenditure on participation by faculty in external seminars/conferences/workshops etc	186633	127418	0	314051
		Expenditure on staff development	0	0	0	0
		Others	0			0
	Total		<b>825286</b>	<b>324998</b>	<b>2420000</b>	<b>3570284</b>
Equipment Replacement Fund	ERF	Equipment	0	0	551954	551954
		Books	0	0	0	0
		Software	0	0	0	0
		Furniture	0	0	0	0
		Others	0	0	0	0
	Total		0	0	<b>551954</b>	<b>551954</b>
Equipment & Civil Maintenance Fund	ECMF	Equipment Maintenance	0		661778	661778
		Civil Works	0	0	0	0
		Others	0	0	0	0
		Total		0	0	<b>661778</b>
<b>Grand Total</b>			<b>1503679</b>	<b>589373</b>	<b>3749732</b>	<b>5842784</b>

#### **4. Amendment of policy item for expenditure in conduct of External Programs**

The last BoG had decided that

- *Regarding reimbursement of expenses in connection with FSD programs, a faculty can be given a maximum of Rs. 20,000/- or 95% of eligible expenses whichever is lower and corresponding amount for a staff being Rs. 10,000/-. It was also suggested that by next at least 2 staff from each department should have gone for such programs.*
- *The maximum amount a faculty and a staff member can get for FSD programs in a year is restricted to Rs. 20,000/- and Rs. 10,000/- respectively.*

This was done with the aim of enabling equitable participation for all faculty and staff in view of the shortage of funds in comparison to the project period. Considering the fact that many programs offered by reputed training organizations including IITs, NITs, IIMs, NITTR have course fee itself very close to or even above this figure, faculty are finding it difficult to undergo such programs. It is therefore requested that the BoG fix a revised norm for the same.

## 5. Approval of activities under various heads

The following activities planned to be held during the next phase of the four fund period. Request that sanction be given.

Subject Domain Training -

SL No.	Name of the Faculty Member	Name of The programme	Reg Fee	TA/DA	
1	Mr.Navin Jacob., Asst.Prof., EEE Dept.,	To nattend a training programme on Rooftop Solar Grid Engineer(Design, Erection, Commissioning, Maintenance)	25000	15000	40000
2	Dr.Sajeenabeevi B, Asso.Prof., Chemical Dept.,	Advanced Analytical Techniques in material Science organized by Calicut University from 20-23 Jan 2020	500	2690	3190
3	Dr.Renjana R., Asst.Prof., Chemical Dept.,	Advanced Analytical Techniques in material Science organized by Calicut University from 20-23 Jan 2020	500	2690	3190
4	Dr.Praseetha P Nair Asso.Prof., Chemical Dept.,	Advanced Analytical Techniques in material Science organized by Calicut University from 20-23 Jan 2020	500	2690	3190
					49570

Faculty Staff Development – Expenditure on participation by faculty in external Seminars /conferences/workshops etc

SL No.	Name of the Faculty Member	Name of The programme	Reg Fee	TA/DA	
1	Dr.N.Sajikumar. Asso.Prof., CE dept.,	To present a paper titled Assessment of Landslide Susceptibility of Iduki District using Frequency Ratio method (ID162)” HYDRO 2019-International Conference (Hydraulics, Water Resources and Coastal Engineering organized by Department of Civil Engineering, Hyderabad.	5000	15000	20000
2	Dr.Sumam K.S., Asso.Prof., CE dept.,	To present a paper titled “Effects of Anti-vortex structures on Trapezoidal Labyrinth Side weir” HYDRO 2019-International Conference (Hydraulics, Water Resources and Coastal Engineering organized by Department of Civil Engineering, Hyderabad.	5000	15000	20000
					40000

FSD - In house training programmes

SL No.	Name of the Programme	Coordinator & Dept.,	Dept.,	Date	Approximate Amount
1	Advanced Materials	Dr.Praseetha P.Nair., Asso.Prof., Chemical Dept., & Dr.Sajeenabeevi B., Asso.Prof.,	ChE	23 -27 March 2020	101500
2	Advances in Fluid and Thermal Sciences	Dr.L.Rekha ., Asst.Prof., ME Dept., & Mr.A.R.Harikumar., Asst.Prof.,	ME	06-10 July 2020	200000
3	Statistical Analysis for Engineering Research	Dr.M.Sajan., Asso.,Prof., ME Dept., & Dr.Pradeep M.Kamath., Asst.Prof., ME Dept.,	ME	06-07 April 2020	86500
4	Current Trends in supply Chain Management	Dr.Ambilikumar., Asso.Prof., ME Dept., & Mr.Sunil A.S., Asso.Prof., ME Dept.,	ME	20-24 July 2020	122000
5	A Course on Robotics and its Applications	Dr.Lalu P.P., Asst.Prof., Dr.Sudheesh R.S., Asst.Prof., ME Dept.,	ME	12-14 Aug 2020	155000
6	Statistical data analysis using Minitab	Dr.P.A.Solomon., Prof., Chemical Dept.,	ChE	13-15 Jan 2020	16600
7	Data Science and Analysis using Python	Dr.Sreekanth D., ICT Academy, Dr.Sudeep Eliadam, CUSAT, Dr.Sudeep D., NIT Calicut	CSE	March	80000
8	Reliable and Dependable software Development Techniques	Sumesh Divakaran., Rekha Rama Pai	CSE	March	80000
9	Machine Learning Theory and Practices	Dr.Renu Jose,RIT Kottayam, Dr.Gopakumar,NIT Calicut,Prof., Siju Swamy Saint Gits Kottayam	CSE	April	150000
					991600

### Expert Talks under III

Sl No.	Name of Expert	Name of the programme	Coordinator of the programme	Amount
1	Mr.S.S.Sudhi, Deputy General Manager (Pr) Oil and Natural Gas Limited,Gujrat	Oil Industrial safety and safety practices followed by ONGC.	Dr. Renjanadevi B., Prof., in Chemical Engg. Dept.,	30000
2	Mrs.Nitha., ICT Academy, & Adarsh , BEO Software	Introduction to Python Programming	Prof. Vipinkumar., Asso.Prof., CSE Dept.,	10000
3	Mr.Sarath ,BEO Software &Mr.Goutham Oracle	Introduction to Java Programming	Prof. Vipinkumar., Asso.Prof., CSE Dept.,	10000
4	Dr.Ahmed Basha, Joint Director (Rtd), CERI, Karaikudi.,	Solving Chemical Engineering Problems using Maple for students	Dr. P.A.Soloman, Prof., Chemical Dept.,	12350
				<b>62350</b>

### Replacement and maintenance of equipments purchased under TEQIP II

Sl No.	Name of the Item	Purpose	Dept.		Amount
1	Tribometer	Calibration for pin-on-disk Tribometer	ME	Tribology Lab	60000
2	Digital Viscometer	Calibration of Viscometer	ME	Tribology Lab	15000
3	Desktop Computer with Printer	Maintenance and repair charge	ME	Tribology Lab	40000
4	Desktop DELL (OPTIPLEX 3010)	Replacement of various parts ( 6 Nos.)	ME	CAD Lab	60000
5	Rapid Photo typing Machine(Desktop 3D Printer)	Moulding related problem Maintenance charge	ME	CAD Lab	100000
6	Computerised Petrol Engine Test Rig	Maintenance and repair charge	ME		150590
7	Lathe Machine	Replacement of Electrical relay switch	ME	Production Lab	3000
8	Shaping Machine	Repairing of cracked shaper head	ME	Production Lab	4000
9	Universal IC Tester	PCB Repair and service	ECE		5705
10	Projector	Bulb Replacement	ECE	Class Room	30000
11	Gunn Power Supply	Power failure/ not working	ECE		24000

12	Variable power supply 0-30V	Voltage not stable not working	ECE	Communication Lab	24000
13	Multimeter	Replacement	ECE	Communication Lab	10000
14	Computer	Maintenance and Repair charge of DELL Desktop computer	ChE	Lab	4750
15	Rheometer	Replacement of temperature detector with Shaft	ChE	Lab	60100
16	Laptop	Replacement of Batteries (2 Nos.)	ChE	Lab	5000
17	Consolidation Testing Apparatus	The item includes replacement and calibration of LVDT and maintenance of digital read out	CE	Geotechnical Engineering Lab	14158
18	Triaxial Testing Apparatus	Calibration of the equipment strain rate, load cell repair	CE	Geotechnical Engineering Lab	50562
19	Pressure Volume Controller	Calibration ,repair and replacement of various parts of pressure system and digital read out system	CE	Geotechnical Engineering Lab	18203
20	UPS	UPS tubular battery replacement	Maths	Mathematics Dept.	12600
21	UPS	UPS tubular battery replacement	Chemistry	Chemistry Dept.,	12600
22	PH Meter	Glass Electrode	Chemistry	Chemistry Lab	10710
23	Laptop	Replacement	CSE	Lab	228950
24	Printer	Replacement	CSE	Lab	39603
25	Computers	Various parts replacement	CSE	Lab	104400
26	Surface Roughness Tester	Replacement of battery and installation of driver for windows 7	PE	Metrology Lab	80000
27	Laptop	Hard Disc ,battery replacement	PE	CAD CAM lab	15000
28	Personal computers	Replacement of Mother Board	PE	CAD/CAM Lab	20800
29	Printer	Replacement of various parts	PE	CAD Lab	10000
					<b>1213731</b>

### III Cell

Industrial Visit - visit to Sowparnika Thermistors and Hybrids Pvt. Ltd., Kolazhy -Expenses – Rs. 1500/-

## 6. Ratification of activities carried out

### 5.1 Expenditure on participation by faculty in external Seminars /conferences/workshops etc.

SL No.	Name of the Faculty Member	Name of The programme	Reg Fee	TA/DA	Total
1	Dr.M.S.Sinith., Asst.Prof., ECE Dept.,	workshop on “Audio Signal Processing for Computational Musicology (WASP-CM)” organized by Department of Electrical Engineering ,IIT Bombay and SPRC, Govt. of India., on Dec 02-06 2019 at IIT Bombay	2400	29500	31900
2	Dr.Jayanand B., Prof., EEE Dept.,	Infinite Level Inverter Based Dynamic Voltage Restorer for Mitigation of Voltage Sag and Swell TENCON 2019 IEEE International Conference held at Kochi	30974	0	30974
3	Dr.RameshKumar P., Asst.Prof., EEEDept.,	Super-Twisting Algorithm based Load Frequency Control of a Two Area Interconnected Power System at 20 <sup>th</sup> International Conference on Intelligent System application to Power Systems(ISAP-2019) at IIT Delhi	9000	15000	24000
4	Mr.Shejin K. V., Asst.Prof., Physical Education ,	Live along with treadmills for a better tomorrow In Xcel 19-An International Seminar on Advances in Science, Engineering and Technology in the field of Sports, an IET-MBCET on Campus event under NEXUS 19	3000	2520	5520
5	Dr.Haris Naduthodi, Prof., PE Dept.,	Workshop on Intellectual Property rights(IPR) at Indian Institute of Science Bangalore on 26 <sup>th</sup> and 27 <sup>th</sup> July 2019	4153	7850	12003
6	Ms.Mumthas O. Y.,Asst.Prof., CSE Dept.,	a short term training programme on Advancements in Emerging Technologies and Applications 1 <sup>st</sup> July -07 <sup>th</sup> July 2019 at CUSAT Kcochi	1000	3305	4305
7	Mr.Prasanth P., Asst.Prof., Physics Dept.,	a XXXIV Annual IAPT Convention -2019 & National Seminar on Recent Advances & Innovations in Physics Teaching & Research (RAIPTER-2019) on Oct 13 <sup>th</sup> to 15 2019 organised by Indian institute of Information Technology, Allahabad & Indian Association of Physics Teachers Teachers (IAPT),RC-4	3600	15202	18802
8	Mr.Sunil Jerome., Asst.Prof., ME Dept.,	To present a paper titled “Thermodynamic Modeling and Analysis of newly introduced eco-friendly alternative refrigerants for air conditioning application” in the Second International Mechanical Engineering Conference –IMEC2019 from 29 <sup>th</sup> Nov to 01 Dec 2019 at NIT Trichy	9000	1400	10400
9	Dr.Sheeba V.S., Principal.,	IIT Madrass Research Park Visit (TBI programme )			8574
10	Mr.Ajay James., Asst.Prof., CSE Dept.,				9412
					<b>155890</b>

## 5.2. Subject Domain Training

SL No.	Name of the Faculty Member	Name of The programme	Reg Fee	TA/DA	Total
1	Mr.Anilkumar P.S., Asso.Prof., CE Dept.,	Seismic Soil Pile Interaction, NIT Trichy	2000	13000	15000
2	Ms.Suhara E.M., Asst.Prof., EEE Dept.,	short term training course "Internet of Things: Concepts and Implementation" on 15 <sup>th</sup> to 19 <sup>th</sup> November 2019 sponsored by AICTE at Indian Institute of Information Technology Design and Manufacturing Kancheepuram	500	13500	14000
3	Dr.JiJi K.S., Asso.Prof., EEE Dept.,	A faculty development programme on Power Electronic Converters: Operation and Control on 02 <sup>nd</sup> to 06 <sup>th</sup> Dec 2019 at IISC Bangalore	11800	15500	27300
4	Mr.George Mathew., Asst.Prof., CSE Dept.,	Deep Learning and Machine Learning Approaches and its applications on 09 <sup>th</sup> to 12 <sup>th</sup> Dec 2019 at NIT Campus Calicut.	5900	4400	10300
5	Mr.Saurabh Sahadev ,Asst.Prof., Chemical Engg., Dept.,	Advanced Separation Processes from 02-07 Dec 2019	1500	3410	4910
6	Nasma Noor N.V., Asst.Prof., CE Dept.,	Interaction of Coastal Development with Coastal Processes, Its Highlights and Challenges on 09 <sup>th</sup> to 13 <sup>th</sup> Dec 2019 at NIT Calicut	3000	1100	4100
7	Mr.Deepak K.S., Asso.Prof., ECE Dept.,	Deep Learning and Machine Learning approaches and its applications on 9 <sup>th</sup> to 13 <sup>th</sup> Dec 2019	5900	1500	7400
					<b>83010</b>

## 5.3 Pedagogy Training

SL No.	Name of the Faculty Member	Name of The programme	TA/DA
1	Mr.Ajayakumar V.T., Asst.Prof., CE Dept.,	Pedagogy training programme at IIT Madrass on 07-09 Dec 2019	8000
2	Midhu Das B., Asst.Prof., EEE Dept.,	Pedagogy training programme at IIT Madrass on 07-09 Dec 2019	8000
3	Deepak B., Asst.Prof., CE Dept.,	Pedagogy training programme at IIT Madrass on 07-09 Dec 2019	8000
4	Karun V Gopal ., Asst.Prof., ME Dept.,	Pedagogy training programme at IIT Madrass on 07-09 Dec 2019	8000
			32000



## 7. Allocation of funds

The 21<sup>st</sup> BoG had decided that further allocation of funds in the four funds period be made based on the performance of the individual departments during the present term on a 4:1 ratio of base and expenditure amounts.

Accordingly the the current allocation is.

	Corpus	FSD	Eqp.Maintenance	Eqp. Replacement
Institution	294195	704984	677808	690473
CE	942871	1283119	1147800	1169300
ME	1176832	1442000	1243400	1266800
EEE	1088642	1327784	1243400	1266800
ChE	564293	568657	621700	633400
PE	378133	469906	406500	414100
ECE	673263	579108	717300	730800
CSE	675033	806865	717300	730800

## 8. Student assistantship for PG students

The 21<sup>st</sup> BoG which met on 25<sup>th</sup> June 2019 had decided to give assistantship to PG students, one per stream who are at the top position in their class on merit and who are not in receipt of any other scholarship at the rate of Rs. 6000/- per month. Accordingly applications were invited and select list is prepared from among the applicants. A decision on the same is to be made.

## 9. TEQIP staff maintenance for the further period of Four Fund

In the review meeting of TEQIP-II four funds held on 6<sup>th</sup> Dec 2019 at Trivandrum organized by SPFU, it was appraised that expenditure in the various heads were well below the expected percentages and urgent steps were asked to be taken by institutions to improve them considerably. The 20<sup>th</sup> BoG meeting had resolved to fix a cap of Rs.12,000/- on the maximum allowable monthly allowance to the Junior Accountant cum Clerk in the TEQIP office. This restricts the attendance of the incumbent to a maximum period of 16 days in a month on daily wages and hence the services are available only to that extent. In order to have a smooth functioning of the office to allow increase in overall expenditure through the services offered to faculty, staff and students in a more streamlined fashion, an increase on the same is requested to be made by BoG.

## 10. Any other item permitted by the chair

- **Expenditure in connection with international conference ICETEST 2018**
- **Expenditure in connection with convening of Departmental Advisory Board.**

## MINUTES OF 21st BOARD OF GOVERNORS MEETING HELD

ON 25.06.2019 AT 11.00AM

IN THE CONFERENCE HALL, GEC, THRISSUR

### Agenda

1. Confirm the Minutes of 20<sup>th</sup> Meeting of the Board of Governors on 03.05.2018
2. Review the actions taken report on the decisions in the 20<sup>th</sup> Meeting of the Board of Governors.
3. Presentation of Activity Reports by Nodal Officers
  - i.* Academics
  - ii.* III Cell
  - iii.* Procurement.
  - iv.* Finance
4. Amendments to guidelines for effective utilization of Four Funds.
5. Approval of activities under various heads.
6. Ratification of activities carried out.
7. Any other item permitted by the chair
  - i.* Request from the college union for student assistantship
  - ii.* Accreditation of UG and PG programs
  - iii.* Submission from Dr. Sumam K S, CE Dept.
  - iv.* New committees for implementation of Four Funds.

### **Members Present**

1. Dr. Ligy Philip, Professor, IIT, Madras (Chairman)
2. Dr. SatishVasu Kailas, Professor, IISc, Bangalore
3. Sri. Thomas Francis, Finance Officer, Collectorate, Thrissur representing Additional Secretary, Finance Department, Govt. of Kerala
4. Dr. K. Najeeb, Director SPFU
5. Dr. V.S. Sheeba, Principal, GEC, Thrissur.
6. Dr. Sajikumar N, Professor, Department of Civil Engineering.
7. Dr. Jayanand B, Professor, Department of Electrical and Electronics Engineering.

Sri.Anil Warriar, Head Recruitment, Amazon India. Bangalore, Sri.Anil Kumar , Joint Secretary to Government, Higher Education Department., Dr.Vrinda V Nair, Dean Research, APJAK KTU, Dr. Ramesh Unnish Krishnan, Regional Director AICTE-SW, Trivandrum, and Dr. K. P. Indiradevi, Director of Technical Education has informed their inability to attend the meeting due to preoccupations.

The Principal welcomed all members and Prof. Ligy Philip, ChairmanBoG, presided over the meeting.

### 1. Confirmation of the Minutes of the 20<sup>th</sup> meeting of Board of Governors

The draft minutes of the previous meeting held on 03.05.2018 was circulated to all members and comments and suggestions were invited. Corrections were suggested by members in the guidelines (separately discussed in item 4), they were incorporated and then the minutes were confirmed.

### 2. Report on the action taken on the decisions in the 20<sup>th</sup> meeting of Board of Governors

Reviewed the actions taken on the decisions in the 17<sup>th</sup> meeting of the Board of Governors and the following suggestions are noted for further actions.

<b>Agenda Item No: 2- ATR (Action Taken Report) on the decisions in the 20<sup>th</sup>BoG.</b>				
<b>No.</b>	<b>Decision Item</b>	<b>Action Taken</b>	<b>Observation/ Suggestion/ Action by BoG</b>	<b>Action by</b>
<b>1</b>	Conduct of placement drives as bootcamp	The item was discussed in the executive meeting of the CGPU and it was decided to execute it from the year 2019-20 onwards.	Noted	Placement coordinator
<b>2</b>	Allocation of funds on performance basis	The present period is one where activities have been carried out to that extent to judge performance. The same shall be implemented from the next BoG onwards.	BoG suggested to reappropriate funds on 80% base + 20% performance.	HoDs Nodal Officer, Finance
<b>3</b>	Performance monitoring of conduct of Remedial classes	The reports submitted by departments include the improvements in assessments made to reflect the effectiveness.	BoG suggested to make the necessary changes in the academic committee report from this session onwards.	-

### 3. Presentation of Activity Reports by Nodal Officers

All the Nodal officers of the following committees, presented their reports

- i.* Academics
- ii.* Ill Cell
- iii.* Procurement.
- iv.* Finance

***BoG had given the following suggestions***

- Make the remedial classes more effective by encouraging maximum participation from eligible students and also directed to make this activity as a formalized one.
- Regarding accreditation, it was advised to give awareness to students about the need to get accredited and its benefits.
- Regarding the format for presentation of publications in academic activity report, it was suggested to include a mandatory column for SCI/Scopus Index publications.
- BoG suggested to take efforts to get NIRF ranking (one faculty and staff each from every department should be assigned the responsibility)
- Regarding the format for placements, BoG suggested to group the data to include offers/placements in one table.
- BoG suggested to explore the disparity between pass percentage and placement rates for PG programs.
- Also suggested to explore the possibility of remedial programs for PG students.
- BoG suggested to take steps to improve the communication and soft skills of students.
- Regarding guidance of PhD scholars, BoG asked to produce statistics regarding the number of guides retained in the institution for the entire duration of a scholars stay in the institution.
- BoG suggested to map the improved assessments with the results after the conduct of remedial classes. Also asked to include the name of the faculty in the format.
- BoG asked to give feedback on why there is an increased failure in Engineering Graphics in the result analysis presented.
- BoG asked to take steps in getting increased number of IPR output.
- Regarding the presentation made by the Ill coordinator, BoG asked to provide the MoU formats to the Chairman and Prof. SatishVasu Kailas. Also asked to get the documents vetted by an external legal expert.
- Regarding purchase, suggestions included – repair and maintenance to be restricted to minor items and to lower the expenditure (replacements to spares cannot be comparable to the cost of the equipment)

- Regarding reimbursement of expenses in connection with FSD programs, a faculty can be given a maximum of Rs. 20,000/- or 95% of eligible expenses whichever is lower and corresponding amount for a staff being Rs. 10,000/-. It was also suggested that by next at least 2 staff from each department should have gone for such programs.
- The maximum amount a faculty and a staff member can get for FSD programs in a year is restricted to Rs. 20,000/- and Rs. 10,000/- respectively.
- For M.Tech students, a maximum of Rs. 7000/- for registration of paper presentations can be given. The proposal has to be approved through IRAC.

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 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

#### 4. Amendments to guidelines for effective utilization of Four Funds.

The 20<sup>th</sup> BoG was presented with a mapping of the Four Funds in view of the existing main heads and lack of a subdivision thereof in the Government Order establishing the funds. It was approved and has to be revised based on FMR to be filed to SPFU, and the new approved division is as per the classification in the FMR enclosed in Annexure I on page 16.

In the conduct of External Programs

- Item 8 which reads

*The total expenditure including registration fee, TA/DA for attending program etc perprogram 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 perprogram using Faculty development fund is limited to 95% of the total expenses or Rs.20,000/- whichever is lower for faculty. The corresponding amount for staff is Rs.10,000/-.*

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.*

## **5. Approval of activities under various heads.**

The following programs are approved.

### **Visiting Faculty Programs**

SI No.	Title of the programme	Resource Person	Beneficiaries	Dept	Amount
1	Structural Engineering	Dr.B.N.Rao., Prof., IIT Madras	M.tech.(SE)	CE	25000
2	Water Resource Engineering	Dr.Jyothiprakash., Prof., IIT Bombay	M.tech.(WRHI)	CE	30000
3	Environmental Engineering	Dr.MukeshKhare., IIT Delhi	M.Tech (EE)	CE	30000
4	Dr.Sudheesh T.K., Prof., IIT Palakkad	Geotechnical Engineering	B.Tech (S7)	CE	10000
5	Dr.SureshD.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.Murthy., Prof., IIT Madras	Water Resource Engineering	M.Tech(WRH)	CE	25000
9	Dr.Ligi Philip., Prof., IIT Madras	Environmental Engineering	M.Tech(EE)	CE	25000
10	Dr.Sudheer K.P., Prof., IIT Madras & Exe. Vice President, KSCSTE	Water Resource Engineering	M.Tech(WRH)	CE	25000
11	Dr.DevadasMenon, Prof., IIT Madras	Structural Engineering	B.Tech(S1)	CE	25000
12	Dr.RoyPaily, IIT Guwahati	Custom IC Design		ECE	25000
					<b>285000/-</b>

### In-house training Programmes

SI 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.,	24-28 <sup>th</sup> June 2019	110000/-
3	Advanced Process Control	Chemical	Mr.Manilal A.M., Asst.Prof.,	22-26 <sup>th</sup> July 2019	211000/-

4	Bridge Engineering –A Research Perspective	CE	Dr.C.V.Lal., Prof., 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 27 <sup>th</sup> Sep 2019	109500/-
7	Simulation and modeling of Electronic systems	ECE	Mohamed Salih K.K., Asst.Prof.,	18 <sup>th</sup> to 22 <sup>nd</sup> Dec 2019	90500/-
8	Fundamentals of FPGA based system	ECE	Alphonsa M.P., Instructor Gr.1.,	18 <sup>th</sup> to 22 <sup>nd</sup> Oct 2019	98000/-
9	Familiarization of modern digital Equipments and Fundamentals of Analog Circuit Design	ECE	Mr.M.Sajithkumar., Trade Instructor Gr-II	22 <sup>nd</sup> to 26 <sup>th</sup> July 2019	1083000/-
10	IoT Based System Design	ECE	Ms.Assa N.C., Tradesman	9 <sup>th</sup> to 13 <sup>th</sup> Dec 2019	109500/-
11	Hands on program on Electronic Design and Automation Engineering	ECE	Shincy T.P., Tradesman	02 <sup>nd</sup> to 06 <sup>th</sup> Dec 2019	109500/-
12	Recent Trends in Biomedical and healthcare systems	ECE	Subhija E.N., Asst.Prof.,	02 <sup>nd</sup> to 06 <sup>th</sup> Dec 2019	109500/-
13	An Approach towards identification and solving engineering problems	ECE	Dr.Thajudhin Ahmed	02 <sup>nd</sup> to 07 <sup>th</sup> Dec 2019	109000/-
					<b>17,69,500/-</b>

### **Various subject domain Training proposals**

SI No	Name of Faculty	Name of the Programme	Date	Reg. fee	Approximate TA/DA	Total Amount
1	Ms.Latha K.N., Asso.Prof., ECE Dept.,	Research Trends in Multimedia and Multirate Signal Processing (RTMMSP 19) at Department of Electronics and Communication Engineering National Institute of Technology, Calicut.	24 <sup>th</sup> -29 <sup>th</sup> June 2019	5900/-	5950/-	<b>11850/-</b>
2	Ms.Sindhu N., Asst.Prof., ECE Dept.,	Research Trends in Multimedia and Multirate Signal Processing (RTMMSP 19) at Department of Electronics and Communication Engineering National Institute of Technology, Calicut.	24 <sup>th</sup> -29 <sup>th</sup> June 2019	5900/-	5950/-	<b>11850/-</b>
3	Mr.Sajithkumar, Tra de Instructor, ECE Dept.,	short term course on Laboratory Practices in power Electronics of Drive organized by Electrical Engineering Department at National Institute of Technical Teachers Training and Research sector, Chandigarh	15 <sup>th</sup> to 19 <sup>th</sup> July 2019	-	9700/-	<b>9700/-</b>
4	Ms.Assa N.C., Tradesman, Dept.,	short term course on Video Editing Techniques organized by Educational	15 <sup>th</sup> to 19 <sup>th</sup> July	-	9700/-	<b>9700/-</b>



	of ECE	Television Centre at NITTTR, Chandigarh	2019			
5	Ms.Shincy T.P., Tradesman, Dept., of ECE	short term course on Video Editing Techniques organized by Educational Television Centre at National Institute of Technical Teachers Training and Research sector, Chandigarh	15 <sup>th</sup> to 19 <sup>th</sup> July 2019	-	9700/-	<b>9700/-</b>
6	Mr.Anishbabu K.K.,Asst.Prof., ECE Dept.,	Geometry, Imaging and Parallel Computing for Cancer Treatment 2019	10 <sup>th</sup> to 15 June 2019	3000/-	3800/-	<b>6800/-</b>
7	Mr.Vipinkumar K.S., Asst.Prof., CSE Dept.,	Communication and Presentation Skills ,ESCI Hyderabad	06-08 Aug 2019	15500/-	15000/-	<b>30500/-</b>
8	Mr.Manojkumar K.V., Prof., CSE dept.,	Cyber Security Best Practices for managers and Executives at ESCI Hyderabad	25 <sup>th</sup> -27 Sep 2019	18000/-	9000/-	<b>27000/-</b>
9	Ms.Jiji K.S., Asso.Prof., EEE Dept.,	Emerging Power Conversion Techniques and Challenges for renewable energy and Electric Vehicle Applications organized by EEE Dept., NIT Trichy	24 <sup>th</sup> to 28 <sup>th</sup> June 2019	3000/-	5800/-	<b>8500/-</b>
10	Dr.C.V.Lal., Prof., CE Dept.,	Pre fabricated structures –Planning, Design, Construction at ESCI Hyderabad,	10 <sup>th</sup> to 15 <sup>th</sup> Dec 2019	20000/-	16000/-	<b>36000/-</b>
11	Mr.P.P.Sivan., Asst.Prof., CE Dept.,	Pre fabricated structures –Planning, Design, Construction at ESCI Hyderabad,	10 <sup>th</sup> to 15 <sup>th</sup> Dec 2019	20000/-	16000/-	<b>36000/-</b>
12	Dr.Vijayan P., Prof., CE Dept.,	Pre fabricated structures –Planning, Design, Construction at ESCI Hyderabad,	10 <sup>th</sup> to 15 <sup>th</sup> Dec 2019	20000/-	16000/-	<b>36000/-</b>
						<b>233600/-</b>

### Paper presentation

Sl No	Name of Faculty	Programme	Date of the programme	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/-

## Reg fee reimbursement

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

SI 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.AjaykumarRajasekharan., 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., Geostrucuturals, 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
					<b>93000/-</b>

## Procurement

SI 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.

BoG gave ratification to the following programs conducted since the last BoG

### III Cell Programmes

SI 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 resnewable energy source variability issue' by Dr.SanjithK.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, Ernakulam	B.Tech students	Electrical and Electronics Engineering	Ms.LisyRaphael, Asst.Prof.,	12.03.2019	11230/-
4	'Waste to Energy'	M.Tech students	Civil Engg.	Bindu A.G.,	25.03.2019	29742/-

	Opportunities, Options and challenges by Dr.Babu J Alappat, Professor, IIT Delhi	in Environmental Engg.		Asst.Prof.,		
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/-
						<b>90893/-</b>

### **Attended conference/workshops and paper presentations**

SI 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 VishwaVidhyapeetham, Bengaluru Campus	25 <sup>th</sup> to 28 <sup>th</sup> 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).	08 <sup>th</sup> to 12 <sup>th</sup> October 2018	3000/-	17992/-	21242
3	Dr.Jiji K.S., Ast.Prof., EEE Dept.,	Attended and presented a paper 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	13- 14 <sup>th</sup> October 2018.	8200/-	4185/-	12385
4	Dr.Jaison	Attended and presented a paper titled	18-21 <sup>st</sup> Dec	10000/-	9038/-	19038

	Mathew., Asst.Prof., EEE Dept.,	"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 Madras.	2018			
5	Ms.Seeja V.V., Asst.Prof., Physical Education Dept.,	Attended and presented a paper in the 9 <sup>th</sup> International Conference 2018 on "Yoga as Therapy Scope, Evidence, and Evolution" at Kaivalyadhama Lonavala	27 <sup>th</sup> to 30 <sup>th</sup> Dec 2018	4000/-	6270/-	10270
6	Ms.Seeja V.V., Asst.Prof., Physical Education Dept.,	attending a workshop on Research Methodology in Sports and Exercise Psychology on 16 <sup>th</sup> to 22 <sup>nd</sup> Jan 2019 at Khumam Lampak Sports Complex, Imphal, Manipur,	16 <sup>th</sup> to 22 <sup>nd</sup> 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
						<b>99297</b>

### Registration fee reimbursement request from Research Scholars

SIN o	Name of student	Program attended	Date of the program	Reg. fee	TA/DA	Total Amount
1	Mr.Albert Poullose, 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)	15 <sup>th</sup> to 17 <sup>th</sup> 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.	15 <sup>th</sup> -17 <sup>th</sup> 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	15 <sup>th</sup> -17 <sup>th</sup> 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	15 <sup>th</sup> -17 <sup>th</sup> 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	15 <sup>th</sup> -17 <sup>th</sup> May 2019	5500/-	-	5500/-
						<b>27500/-</b>

SI No	Name of student	Program attended	Date of the program	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.,	15 <sup>th</sup> -16 <sup>th</sup> 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.,	15 <sup>th</sup> -16 <sup>th</sup> March 2019	2950/-	2950/-

					5900/-
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### Registration fee reimbursement request from M.tech students-

#### **Academic Research Programme**

Expenditure 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).

SI No	Name of Faculty	Date of the programme	TA/DA Amount
1	Dr.N.Sajikumar., Prof., CE Dept., -	28 <sup>th</sup> Feb 2019	16668/-
2	Dr.Meera V., Asso.Prof., CE Dept.,	28 <sup>th</sup> Feb 2019	19240/-
3	Dr.Jiji K.S., Asso.Prof., EEE Dept.,	28 <sup>th</sup> Feb 2019	9101/-
4	Dr.AbdulSaleem P.K., ,Asst.Prof., EEE Dept.,	28 <sup>th</sup> Feb 2019	6330/-
			51339/-
	<b>Name of Students attended this program</b>		
1	Jismy Antony (NDF Scholar, CE Dept.,)	28 <sup>th</sup> Feb 2019	3290/-
2	Ms.AshaFarsana (NDF Scholar, CE Dept.,	28 <sup>th</sup> Feb 2019	3290/
3	Mr.G. Pavan Kumar., (NDF Scholar, EEE Dept)	28 <sup>th</sup> Feb 2019	3290/
4	Ms.Dimna Denny (NDF Scholar, EEE Dept.,	28 <sup>th</sup> Feb 2019	3290/
5	Ms.Najva N., (NDF Scholar, EEE Dept.,)	28 <sup>th</sup> Feb 2019	3290/
			16450/-

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### Various Training programmes attended by faculty

SI No	Name of Faculty	Programme attended	Date of the programme	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 National Workshop on Econometric Tools for business Research organized by Departmnet of Management studies of the school of Management of Puduchery University	03-09 January 2019	4500/-	9495/-	13995/-
						<b>40374/-</b>

### **Inhouse Training programmes**

SI 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/-



## Remedial Class

Remuneration for remedial class (English) for FouziaAboobacker, 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 the college union for student assistantship***  
It was decided to grant assistantship and to include the expenditure under the head “academic support for students”. It was also decided that the assistantship can be given based on academic performance to one student per program under the condition that they do not have any other scholarship. For first year students, B. Tech marks will be considered as the basis.
- ***Accreditation of UG and PG program***  
It was decided to apply for compliance for all the UG programs that have their provisional accreditation getting expired in this academic year and the application to be done by December. For PG programs, the remaining programs have to take steps to get accredited as quickly as eligibility conditions are met.
- ***Submission from Dr. Sumam K S, CE Dept.***  
It was decided to go ahead with the proposal.
- ***Approval of committees for TEQIP Four Funds implementation***  
BoG approved the following committee presented by the Principal for the remaining period.
- ***Ratification of expenditure in connection with Short Term Training Program***

BoG ratified the expenses incurred amounting to Rs. 1,61,195/- in connection with the conduct of the training programme "Creating a Roadmap for Identification and Implementation of Interdisciplinary Projects" coordinated by Dr. Tajudin Ahamed, Prof. ECE Department.

## COMMITTEES FOR TEQIP FOUR FUNDS IMPLEMENTATION

### Academic

Dr. Noushaja P.T. ( 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. Kala M.T.  
Prof. Anitha P H  
Prof. Rajesh P  
Dr. Vinod p Raphael  
Ms.Latha K.N.,  
Dr.Jayasree N.,

### Procurement

Dr.Baiju B. (Nodal officer)  
Subhadra P R  
Dr. Anjana R  
Dr. Manjith Kumar B  
Technical Storekeeper  
Jr .Supdt. Purchase  
Accounts officer

### III Cell

Prof. Fasnabi P A ( Nodal officer )  
Prof. AnandLaliNeera  
Prof. Vipin Kumar K S  
Prof. SourabhSahadev

### Finance

Dr. HarisNaduthodi (Nodal Officer)  
Dr. Jiji K S  
Prof. MinimalPieus  
Accounts Officer  
Supdt. Accounts  
Prof. Anil Rajagopal

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