

**Minutes of Thirteenth Meeting of Board of Governors  
TKM College of Engineering, Kollam  
TEQIP II**

**Venue:** Board room

**Date:** 24/11/2018

**Time:** 11.00 AM

**Members Present**

- |  |                                  |
|--|----------------------------------|
| 1 <b>Shri Shahal Hassan Musaliar</b><br>President, TKM College Trust                 | Chairman                         |
| 2 <b>Er. T K Jalaluddin Musaliar</b><br>Industrialist                                | Member(Industrialist)            |
| 3. <b>Shri. James Raj</b><br>Additional Secretary, Higher Education, Govt. of Kerala | Member(Ex-offiio)                |
| 4. <b>Dr. S. Jayakumar</b><br>Director , SPFU, Kerala                                | Member(EX-officio)               |
| 5. <b>Dr. K Gopa Kumar</b><br>Professor,Dept of ECE, TKMCE                           | Member(Senior faculty)           |
| 6 <b>Dr.T A Shahul Hameed</b><br>Professor, Dept of ECE, TKMCE                       | Member(Senior faculty)           |
| 7 <b>Dr. S. Ayooob</b><br>Principal ,TKMCE   | Member Secretary<br>(Ex-officio) |

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

1. Smt T Kanchana (Joint Secretary, Finance dept, Govt of Kerala)
2. Dr. J Sree Kumar (University nominee, KTU)
3. Dr K P Indira Devi (Director of Technical Education)
4. Dr Haroon. M (Educationalist)

**Also present**

1. Dr Sheeba R, Procurement Coordinator
2. Prof. Sreekumari Amma P , EAP Coordinator
3. Prof. Anu Assis, Finance Coordinator



## Agenda Items

### Part 1-Procedural

Sl. No	Items	Page Number
1.1	Confirming the Minutes of the 12 <sup>th</sup> Meeting of the Board of Governors held on 18.11.2017 at TKM College of Engineering.	3
1.2	Report on the action taken/action pending on the pertinent decisions in the Minutes of the 12 <sup>th</sup> Meeting of the Board of Governors held on 18.11.2017 at TKM College of Engineering.	3

### Part 2-Discussions, Ratifications and Approvals

Sl. No	Items	Page Number
2.1	Approval/Ratification of new packages	5
2.2	Approval/Ratification of Purchase orders issued since last BoG meeting	5
2.3	Approval of replacement/procurement of equipments	6
2.4	Approval of maintenance of equipments purchased under TEQIP II main project	7
2.5	Approval / Ratification of the various Academic programs conducted/attended by faculty and staff.	7
2.6	Details of various academic activities planned	10
2.7	Research & Development activities : Approval/ratification of Research Seed Money project	13
2.8	Approval/Ratification of attended conference/workshop/industrial visit/internship activities by students	14
2.9	Approval of various academic activities planned by students	16
2.10	Approval/ratification of Industry Institute Interaction Cell Activities	17
2.11	Approval/ratification of programmes under students support(EAP)	18



### Part 3-Reports

Sl. No	Items	Page Number
3.1	Status of Fund utilization as on 15.11.2018	22

### Part 4- Any other items

Sl. No	Items	Page Number
4.1	Approval/Ratification of appointment of Clerk cum junior Accountant	24
4.2	Norms regarding attending conference/workshop/Internship programmes/ industrial visit by UG/PG students	24
4.3	Approval/Ratification of the appointment of Senior Research advisor	24

### Part 5 –Annexure

Sl No	Items	Page Number
5.1	Minutes of 12 <sup>th</sup> meeting of Board of Governors held on 18.11.2017	25



# Part 1

## Procedural Items

### 1.1 Confirmation of the Minutes of the 12<sup>th</sup> Meeting of the Board of Governors held on 18-11-2017 at TKM College of Engineering

The Minutes of the 12<sup>th</sup> Meeting of Board of Governors of TEQIP Phase II of TKM College of Engineering held on 18.11.2017. A copy of the Minutes approved by Chairman, BoG is appended as **Annexure 1** for confirmation.

BoG approved the minutes.

### 1.2 Report on the action taken/action pending on the pertinent decisions in the Minutes of the 12<sup>th</sup> Meeting of the Board of Governors held on 18-11-2017 at TKM College of Engineering.

The decisions taken by the 12<sup>th</sup> BoG meeting held on 18-11-2018 have been noted and actions have been initiated. A report on the action taken is shown below.

<u>Decision /Comments</u>	<u>Action Taken</u>
Govt. representative from Finance opined in the last meeting that avenues of interdisciplinary research to be explored	BoG may kindly note the following  1.A research project 'Development of Instrument to induce Induction heating in Bituminous Pavements' funded by CERD has been undertaken by Mr.Muhammad Shanir P.P., Assistant Professor in EE with Dr.Vishnu R., Assistant Professor in Civil Engineering  2.The ongoing seed project 'Effect of buffer layers on the performance of Organic Solar Cells' by Dr.T.A.Shahul Hameed is an interdisciplinary work, being carried out in Laboratory for Molecular Electronics and Photonics, Department of Physics, NIT, Calicut



## 2.1. Approval/Ratification of new Packages.

SI No	Package No	Package Name	Department	Mode of Purchase	Estimated Amount (Rs)
1.	TEQIP II/ PRC/001/2018	Processors and peripherals for upgrading facilities in structural dynamics lab procured under TEQIP-Phase II project	civil	Shopping	400000
2.	TEQIP II/FF/ PRC/002/2018	Battery for UPS (replacement)	Institution	Shopping	150000

BoG ratified the above.

## 2.2 Approval / Ratification of Purchase order issued since last BoG Meeting

SI No	Package No	Package Name	Department	Mode of Purchase	Firm	Estimated Amount (Rs)	Actual Amount (Rs)
1	TEQIP II/ FF/ PRC/001/2018	Processors and peripherals for upgrading facilities in structural dynamics lab procured under TEQIP Phase II project	Civil	Shopping	M/S.Laptop Store, Bishop JeromeNagar Kollam.	400000	399500
2	TEQIP II/FF/ PRC/002/2018	Battery for UPS (32 Numbers)	Institution	Shopping	M/S.LATTA Innovations Pvt Ltd.Pettah,TVM	150000	110000

BoG ratified the above.

## 2.3 Approval of replacement/procurement of equipments

SI No	Name of equipment purchased under TEQIP-II	Department	Item for maintenance/Repair	Quantity	Description	Estimated Amount (Rs)
1	Dynamo meter	Mech	Strain guage	3	Replacement	25000/-
2	Electric Discharge Machining	Mech	Upgradation of software in Wire cut EDM	1	Upgradation of Software	10000/-
3	Desktop Computers	CSE	Upgrade 4 GB RAM to 8GB RAM	25	Upgradation	50000
4	Desktop omputer	CSE	Replacement of corrupted HDD	2	Replacement	6000
5	Laptop	EEE	Keypad&motherboard replacement	3	Replacement	75000
6	Desktop computers	Mech	Motherboard for Core i7 8 <sup>th</sup> generation	3	upgradation	46500
7	Desktop computers	Mech	Intel 8 <sup>th</sup> Gen Core i7-3.7 GHz processor	3	upgradation	106000
8	Desktop computers	Mech	Upgrade 4 GB RAM to 16 GB RAM	3	upgradation	44000
9	Desktop computers	Mech	SMPS	3	Replacement	7500
10	Laptop	Mech	Keypad	1	Replacement	2000
11	Microwave Bench with Klystron and gun power supply	ECE	Frequency Meter	1	Additional Facility	30000
12	Microwave Bench with Klystron and gun power supply	ECE	Klystron Power Supply	2	Additional Facility	35000
13	Microwave Bench with Klystron and gun power supply	ECE	Magic Tee	1	Additional Facility	3000
14	Optical fiber Trainer	ECE	Optical Power meter with connecting cables	1	Additional Facility	40000
15	Microwave Bench with Klystron and gun power supply	ECE	VSWR Meter	1	Additional Facility	15000
16	Office Chairs	TEQIP Office	-	4	Procurement	40000

BoG approved the above.



## 2.4 Approval of Repair/AMC of equipments purchased under TEQIP II main project

SI No	Name of equipment purchased under TEQIP-II	Department	Item for maintenance/Repair	Quantity	Description	Estimated Amount (Rs)
1	UPS	Institution		1	Annual Maintenance Contract	80000
2	Inverted Metallurgical Microcope with computerized Image analysis kit & software	Mech	Processor of computer	1	Maintenance	5000
3	Microwave Bench with Klystron and gun power supply	ECE	PIN diode	4	Repair	8000
4	Microwave Bench with Klystron and gun power supply	ECE	Klystron Mount with Klystron Tube	2	Repair	26000
5	Desktop computer	ECE	SMPS	3	Repair	15000
6	Packed bed reactor	Chemical	Peristaltic pump	2	Maintenance	50000
7	CRO and Function generator	EEE	Analog Oscilloscope	10	Repair	25000
8	Vernier transit Theodolite	Civil	Theodolite	6	AMC	40000
9	Levelling instruments	Civil	Dumpy level	6	AMC	20000

BoG approved the above.

## 2.5 Approval/Ratification of the various Academic programs conducted/attended by Faculty and Staff.

The tables below summarize the in-house and out-station training programmes, as well as conferences attended by the faculty and staff of the Institute, post the last BoG meeting.

## 2.5.1 Faculty/staff Development Programme : In-house

Sl. No.	Title of the Programme	Department	Duration and Date	Co-ordinator/s	No. of Participants			Estimated/ Actual Expenditure (Rs)
					Internal	External	Total	
1	FDP on Computer Network Challenges and implementations	CSE	5 days 22.01.2018 to 27.01.2018	Prof Shameem Ansar	15	45	60	144411
2	Workshop on Android Application Development	ECE	3days 20.12.2017 to 22.12.2017	Prof Reshna S	24	18	42	48568
3	Workshop on Power electronics	EEE	2days 04.01.2018 to 05.01.2018	Prof Shahina T N	18	12	30	28550
4	Workshop on Bio Transport phenomina & Bio materials	Mech	2 days 19.01.2018 to 20.01.2018	Dr REby Roy K E	27	13	40	49921
5	Effective course delivery using MOODLE	CSE	3days 23.07.2018 to 25.07.2018	Prof Thushara A & Prof Ananda Padmanabhan	20	3	23	39534

BoG ratified the above programmes.

## 2.5.2 Faculty Development Programme attended outstation by faculty

Sl. No	Name of Faculty	Department	Title of the Programme	Institution	Duration and Date	Actual amount (Rs)
1	Prof Sofia S	EEE	National workshop on OPAL-RT & DSPACE for HLL applications	NIT, Calicut	5days 04.12.2017 to 08.12.2017	8874
2	Prof Adil Muhammed	Chemical	GIAN course on Nanoporus materials in catalysis fundamentals & applications	IIT, Madras	27.04.2018 to 06.05.2018	14898
3	Prof P Shajahan	Mech	FDP on Econometrics for Management Research	IIM, Kozhicode	09.04.2018 to 13.04.2018	27562
4	Dr Aju Kumar V N & Prof Syed Muhammed Fahd	Mech	Short term course on Artificial Neural Network & Fuzzy Logic through ICT	NITTTR, Chandigah	23.07.2018 to 27.07.2018	47849
5	Dr. Manu J Pillai Prof. Shameem Ansar A Prof. Anantha - padmanabhan	CSE	IEEE mini POCO18 workshop	NIT, Calicut	10.11.2018	25000
6	Prof Mohammed Siyad B	CSE	GIAN course on high performance computing concepts and practice	NIT, Calicut	08.10.2018 to 13.08.2018	8590

BoG ratified the above

### 2.5.3 Ratification of expenses incurred on faculty attended International Conferences within India

Sl. No	Name of Faculty	Department	Title of the Conference	Duration and Date	Institution	Estimated/ Actual Amount
1	Prof Muhammed Shanir P P	EEE	International conference on Intelligent Circuits and systems	20.04.2018 to 21.04.2018	Lovely Professional University, Panjab	23875
2	Dr Jose Prakash M & Prof Leena R	Mech	International conference on computational methods for thermal problems	09.07.2018 to 11.07.2018	IISC, Bangalore	27487
3	Dr K B Radhakrishnan	Chemical	Students' Chemical engineering Congress(Schemcon 2018)	26.10.2018 to 29.10.2018	Institute of Chemical technology, Mumbai	19000

BoG ratified the above.

### 2.5.4 Staff Development Programme attended outstation.

Sl. No	Name of Staff	Department	Title of the Programme	Institution	Duration and Date	Actual amount (Rs)
1	Sri Anver Muhammed K M	CSE	Workshop on KOHA & Library Automation conducted by IIT, Mumbai	Amritha School of Engineering, Karunagappally	12.10.2018	535

BoG ratified the above.



## 2.6 Details of Academic Activities planned

### 2.6.1 Approval of Proposals for conducting FDP/SDP/Conference/ Workshop/ Invited Lecture (In-house programmes)

Sl. No.	Title of the Programme	Department	Duration and Date	Name of Co-ordinator/s	No. of Participants			Estimated Amount (Rs)
					Internal	External	Total	
1	Research Trends in Biomedical and Satellite Image processing	CSE	5 days 01.01.2019 to 05.01.2019	Prof. Shyna A, Prof. Reena Mary George, Prof. Jini Raju	25	50	75	50000
2	FDP on Mathematical theory for communication	ECE	6 days 7.01.2019 to 12.01.2019	Prof. Heera Karunakaran, Prof Nishanth	20	20	40	100000
3	Role of Mathematics in Computing	Mathematics & CSE	6 days 07.01.2019 to 12.01.2019	Prof Reshma Sheik (Dept. of CSE) Dr. Teena Liza John (Dept. of Mathematics)	25	50	75	100000
4	FDP on Solid waste management	chemical	5 days March 2019	Prof. Femina A, Prof. Adil Muhammed, Dr. Anu N	20	30	50	150000
5	Research: From Scratch to Success	EEE	07.01.2019- 11.01.2019	Dr Sabeena Beevi K and Prof Resmi R	30	20	50	100000

BoG approved the above proposals. It is suggested by Director, SPFU that the amount shall exceed by 20% for the fruitful conduct of the programme and the BoG approved this suggestion.

### 2.6.2 International Conference to be attended within India

Sl.No	Name of Faculty	Department	Title of the Conference	Duration and Date	Institution	Estimated Amount (Rs)
1	Anand Sekhar R	Mech	Seventh International Conference on Solidification Science and Processing, ICSSP 2018	4 Days, 19/11/2018 to 22.11.18	ISRO, TVM	5000
2	Prof Firoz N	Mech	16th International Conference on Humanising Work and Work Environment	3 Days, 13/12/18- 15/12/18	College of Engineering, TVM	5000
3	Prof Jesna Mohammed	Mech	Asian Joint Workshop on Thermophysics and Fluid Science 2018 (AJWTFS)	4 Days 21.12.18 to 24.12.18	Mascot Hotel Trivandrum (Organised by College of Engineering, TVM)	5000
4	Dr. K E Reby Roy	Mech	ASME 2019 Gas Turbine India Conference	05.12.18 to 06.12.18	IIT Madras	30000

BoG approved the above.

### 2.6.3 International Conference to be conducted

Sl. No	Name of Faculty	Department	Title of the Conference	Venue	Duration and Date	Estimated Amount (Rs)
1	Dr K K Abdul Rasheed & Dr Mohammed Sadikh	Mechanical	International Conference on Aerospace and mechanical Engineering	TKMCE	17.12.2018 to 19.12.2018	150000
2	Dr T A Shahul Hameed	ECE	International Conference on Micro electronic Signals and System	TKMCE	May 2019	450000
3	Dr C Usha Devi Amma & Dr T P Imtias Ahammed	EEE	International Conference on Technology for Sustainability	TKMCE	July 2019	250000
4	Dr Adarsh S	Civil	International Conference on Climate change in collaboration with LEAD University, UK	Muscat Hotel, Trivandrum	07.01.2019 to 08.01.2019	50000

**Action Sought:** BoG approved the above proposals.

### 2.6.4 Faculty Development Programme to be attended outstation by faculty

Sl. No	Name of Faculty	Department	Title of programme	Institution	Duration and Date	Estimate/ actual amount (Rs)
1	Dr Nissan Kunju	ECE	AICTE-QIP STTP on Academic Leadership, Innovative Pedagogy & Open Source Knowledge Revisiting Teachers' Professional Development	IIT, Kharagpur	10.12.2018 to 16.12.2018	32000
2	Dr K E Reby Roy	Mech	Nanofluidics: Theory, Computation and Applications	IIT, Madras	28.01.2019 to 02.02.2019	5000
3	Prof Fazil A, Prof Adil Muhammed	Chemical	Energy from Waste: Sustainable Approaches	IIT Bombay	10.12.2018 to 15.12.2018	60,000
4	Manikandan P M & Dr. Anu N	Chemical	Clean Energy Production from wastewater treatment plants	NIT Warangal	03-12-2018 to 14-12-2018	75,000
5	Prof.Nishanth.N	ECE	Wireless Communication	NIT, Calicut	12.2018	10000
6	Prof Shabeer.S, Prof Sajeena.A, Prof.Reshna.S Prof.Anzer.S.M	ECE	Workshop on Deep Learning	NIT, Calicut	18.12.2018 to 22.12.2018	40000
7	18 Faculty and 10 staff	EEE	Training for Transformer Testing and Smart Metering	KSEB	17.12.2018 to 19.12.2018	150000

BoG approved the above and directed to ensure the faculty attending STTP are not receiving TA/DA from TEQIP if they are receiving it from the organizer of STTP.

## 2.6.5 Faculty to attend Management capacity building programmes at IIMs

Sl.No	Name of Faculty	Department	Title of the Conference	Duration and Date	Institution	Estimated Amount (Rs)
1	Dr C Usha Devi- Amma, Dr Bijuna Kunju K	EEE	Building and Leading Teams	3 days 03.12.2018 to 05.12.2018	IIM, Indore	100000
* 2	Prof Reshna S Prof Sajeena A Dr Sheeba O	ECE	Creative thinking, Problem solving and Decision Making	3 days 21.01.2019 to 23.01.2019	IIM Kozhikode	180000
3	Dr.Nizar Hussain	Mechanical	Predictive Analytics for Business Forecasting	6 days 07.01.2019 to 12.01.2019	IIM Bangalore	120000

BoG approved the above.

\* Item No 2: Approval from Principal to be sought since the course is during class days.

## 2.6.6 Staff Development Programmes to be attended outstation by Staff

Sl.No	Name of Staff	Department	Title of the programme	Duration and Date	Venue	Estimated amount (Rs)
1	Sri Sherafudeen Sri Yoosuf kunju	Mech	CNC Milling programming & operation with FANUC O-i MF	1 Week 10/06/19 to 14/06/19	Advanced Training Institute, Govt of India,	32000
2	Sri Nazeerkhan Sri Y. Johnson	Mech	Installation, Service & Maintenance of Inverter type split AC	1 Week 17/12/18 - 21/12/18	Advanced Training Institute, Govt of India, Hyderabad	26000
3	SriBiju. G.R, Sri Hamid Hussain Sri Shameer T.M	Mech	CNC Turning, Programming, simulation & operation (siemens 828 control system)	2 Weeks 7/1/19 - 18/1/19	Foremen Trai- ning Institute, Govt of India, Bangalore	45000
4	Sri Dileef Sri Abdul Rehman	Mech	Concepts, Techniques & Practices of Metallographic Examination.	1 week 15/1/19 - 18/1/19	Advanced Trai- ning Institute, Govt of India, Chennai	32000
5	Sri Riyaz.M, Sri Firas, Sri Praveen	Mech	Robot welding (programming & operation)	1 week 7/1/2019 - 11/1/2019	Foremen Trai- ning Institute, Govt of India, Bangalore	37000

6	Sri Sooraj A Rasheed &, Sri Shahul Hameed	Mech	Diagnosis, repair & maintenance of MPFI petrol engines	2 Weeks 6/5/2019 - 17/5/2019	Advanced Training Institute, Govt of India, Chennai	40000
7	Sri Subin.B & Sri Shibukumar.P.B	Mech	CNC programming & its application in EDM (Spark erosion & wirecut machines)	2 Weeks 10/6/2019 to 21/6/2019	Advanced Training Institute, Govt of India, Chennai	40000
8	Sri. Biju.P, Sri. Muhammed Rafi.K, Sri. Raseem Hussain, Sri.Haris A	ECE	Pic micro controller programming and applications	25.2.2019 to 1-03-2019	ATI Chennai	120000
9	Sri.Sherief Rehuman Sri.Muhammed-Sulfikar A , Sri Haris	ECE	Power electronics and its Industrial applications	18-02-19 to 22-02-19	ATI Chennai	90000
10	Sri Muhammed-Anzil P K	Chemical	Staff development programme	3.12.2018 to 7.12.2018	NITTTR Chennai	20000
11	Smt.Sreesoumya S Sri Aneesh-Ayothmeethal	Chemical	Water Analysis	17/12/18 to 21/12/18	IIT Madras	40000
12	Sri Koshy T K, Sri Zakeer Hussain, Sri Biju K, Sri Shajahan B	EEE	PETARC training	3 days	KSEB testing centre	60000

BoG approved the above.

## 2.7 Research & Development Activities.

### Approval/Ratification of Research Seed Money project

The proposals for seed money received from the faculty were reviewed at institution level by the Research council. The list of the proposals recommended by the Research council and Expert committee is given below.

Sl No.	Name of Faculty	Department	Name of Project	Estimated Amount (in Lakhs)
1	Prof. Anantha Padmanabhan	CSE	Incremental path planning using M-MOD	1.45
2	Prof Shyna A	CSE	Machine vision based real time coffee bean grading and sorting system.	1.50
3	Dr T A Shahul Hameed	ECE	Effect of buffer layers on the performance of organic solar cells	1.80
4	Dr Sheeba O	ECE	Design and performance analysis of microstrip patch	1.15

5	Prof K P Ramaswamy	Civil	Durability of cement based materials in aggressive acidic environments	1.40
6	Dr Priya K L	Civil	Studies on the dynamics of suspended sediments in a deep estuary on the south west coast of India	1.50
7	Prof Vishnu R	Civil	Evaluation of Cracking potential of bituminous mixes	1.50
8	Prof Rizwan Rasheed	Mech	An experimental investigation on chilldown of helical cryogenic transferlines coated with non conducting materials under pulsating flow	1.80
9	Prof Hashim V	Mech	Experimental investigation on the mechanical behavior of artery stents	1.50
10	Dr Imthias Ahamed T P	EEE	Design and testing of Learning algorithms for control of microgrids	1.65
11	Dr Shemim S S	Mathematics	Biodegradable Insulating oil using nanomaterial	1.12
<b>TOTAL</b>				<b>16.37</b>

BoG ratified the above.

## 2.8. Approval/Ratification of attended Conference/workshop/industrial visit/internship activities by students

### 2.8.1 students attended Conferences/Workshops within India.

Sl. No	Name of Students	Department	Title of the Conference/Workshop	Duration and Date	Institution/Venue	Estimated / Actual Amount
1	Sree Lakshmi K Nair	Civil	2 <sup>nd</sup> International conference on Frontiers in Engineering, Applied science & technology	27.04.2018 to 28.04.2018	NIT, Trichi	4850
2	Alfia, Nibin Raj, Nandu Krishnan, Reju John, Malu Mohan, Arya, Lisha Alex Anandhu, Ashiq, (9 PG students)	ECE	IEEE International conference on Inventive communication & computational technologies	20.04.2018 to 21.04.2018	Ranganathan College of Engineering, Coimbatore	45000
3	Hari Prasad, Anagha Pradeep, Liyana C (3 UG students)	EEE	Workshop on Startup Mentorship programme	25.06.2018 to 26.06.2018	AICTE, New Delhi	7960
4	7 <sup>th</sup> & 5 <sup>th</sup> semester (52 students)	Chemical	Students' Chemical Engineering Congress (SCHEMCON)	26.10.2018 to 27.10.2018	IChE students chapter, Institute of Chemical Technology, Mumbai.	94380

BoG ratified the above

## 2.8.2 Approval/ratification of students attended Internship/Industrial visit within India

Sl. No	Name of Students	Department	Programme	Duration and Date	Institution/Venue	Estimated / Actual Amount (Rs)
1	Rahul, Sarath, Thomas, Madhav, Sithara, Jismitha, Soumya, Minam Gamroh (8no. 8 <sup>th</sup> sem students)	civil	Winter internship training	22.12.2017 to 01.01.2018	IIT, Kharagur	30120
2	Akhil, SreeHari, Vaishnav, Sunu Sundar (4 No. 7 <sup>th</sup> sem students)	Mech Production	Industrial training	01.07.2018 to 22.07.2018	Sonalika International Tractors Ltd., Panjab	19920
3	Anuja P K, C7 student	Civil	Internship- project A Multivariate Trophic state Evaluation of Lentic water Bodies	01.06.2018 to 13.07.2018	IIT, Bombay	6000
4	Drisy S Dharan C7 student	Civil	Internship- Multifractal characteristics of daily temperature datasets over India	01.06.2018 to 13.07.2018	IIT, Bombay	6000
5	Emmanouel George 7 <sup>th</sup> sem student	ECE	Internship-VLSI design- Design of signal input multiple output buck-boost convertor using single inductor	14.05.2018 to 02.07.2018	NIT, Calicut	2080
6	Nandanu D S	ECE	Internship programme in Python	16.06.2018 to 16.07.2018	IPSR Solutions Ltd , Calicut	6000
7	Arun Raj A V S7 student	ECE	Internship-Embedded systems programming using AVR Microcontroller, Arduino & Raspberry PI	02.07.2018 to 13.07.2018	CDAC, Thiruvananthapuram.	6000
8	Sarath Nair	ECE	Internship n Basics of automation	21.05.2018 to 01.06.2018	ATI, Calicut	3100
9	Mohammed Farhan & K I Oommen	ECE	Internship- Verilog for Design & verification	26.05.2018 to 30.06.2018	VLSIGURU training institute, Bangalore	9195
10	M Aravind	ECE	Internship- Signal processing- Recent trends in moving object detection	11.05.2018 to 27.06.2018	NIT, Calicut	1530
11	Sabin Kumar	ECE	Internship- Fabrication using machinery	14.06.2018 to 13.07.2018	Keltron Component Complex Ltd, Kalliasseri, Kannur	2360
12	Vivek P, Sahad, Shahulul Faris, Muhammed sameer, Muhammed Shareef	ECE	Internship	25.06.2018 to 07.07.2018	Hykon India Ltd, Trissur	14200
13	Sudhakaran K	CSE	Internship	1.06.2018 to 31.07.2018	Edify Data Science Pvt Ltd,, Karyavattom, TVM	8425

14	Afsal Rashid C P, Navaneeth Anand, Visakh V, 7 <sup>th</sup> semester students	ECE	Internship	15 days 02.07.2018 to 17.07.2018	Unique Hydrographic Systems Pvt Ltd, Navi Mumbai	15415
15	21 students of 5 <sup>th</sup> semester	ECE	Industrial visit	03.11.2018	SCTIMST, TVM	8000
16	73 students of 3 <sup>rd</sup> semester	Chemical	Industrial visit	12.11.2018	HIL Udhogamandal & TCC udhogyamandal	32074
17	15 students of 7 <sup>th</sup> semester	Mech Produ ction	Industrial visit	12.11.2018	Brahmos Aerospace, TVM	6000
18	15 students of 7 <sup>th</sup> semester	Mech Production	Industrial visit	19.11.2018	Brahmos Aerospace, TVM	6000

BoG ratified the above and payments must be subject to individual maximum of Rs 5000/-

## 2.9 Approval of various Academic activities planned by students.

### 2.9.1 To attend Conferences/Workshops within India by students

Sl. No	Name of Students	Department	Title of the Conference/Workshop	Duration and Date	Institution/Venue	Estimated Amount (Rs)
1	Nayana H	Mechanical	16th International Conference on Humanising Work and Work Environment	3 Days, 13/12/18- 15/12/18	College of Engineering, Trivandrum	2000
2	Subin Babu	Mechanical	FAB Saturdays 5th Edition	9 Days 27 <sup>th</sup> Oct to 15 <sup>th</sup> Dec 2018 (All Saturdays)	Kinfra Hi Tech Park ,Kochi	2000
3	Rijo C Andrews, Akhil Raj M, Anashwara, Deep ika Rajan, Helna	Chemical	Students' Chemical engineering Congress(SCHEMCON)	Dec 2018	NIT Jalandar	25000

BoG approved the above.

### 2.9.2 Industrial visit planned by students

Sl. No	Name of Coordinator	Department	Programme	No of students	Duration and Date	Institution/Venue	Estimated/ Actual Amount
1	Prof Nishanth N	ECE	Industrial visit	10	14/12/2018	Airport Authority of India, Trivandrum	12000
2	Dr Nissan Kunju	ECE	Industrial visit	10	17/12/2018	BSNL Trivandrum	12000

3	Dr Ansar S M	ECE	Lab visit	5	30/12/2018	Spectroscopy lab, International School of Photonics, CUSAT, Ernakulam	7000
4	Prof Nishanth N	ECE	Labvisit	5	22/1/2018	LASER systems LAB International School of Photonics, CUSAT, Ernakulam	7000
5	Anu Asis	ECE	Industrial visit	135	05-01-2019 to 7-01-2019	Hundai Chennai	75000
6	Shabeer.S	ECE	Industrial visit	135	12-01-2019 to 14-01-2019	BEL, Banglore	75000
7	Sajeena.A	ECE	Industrial visit	135	25-01-2019 to 27-01-2019	Elcomp, Chennai	75000
8	Najia.A	ECE	Industrial visit	135	12-01-2019	Doordharshan Trivandrum	15000

BoG approved the above.

### 2.9.3 Internship programme planned by students

Sl. No	Department	Programme	No of students	Duration and Date	Institution/ Venue	Estimated/ Actual Amount (Rs)
1	CSE	Intel Internship	2	May, June, July 2019	Intel Bangalore	14000
2	CSE	Internship	4	May, June, July 2019	IIT Madras	20000
3	EEE	Internship	2	18-03-2019 to 21-03-2019	UST, Global	20000

BoG approved the above.

### 2.10. Industry Institute Interaction Cell Activities

#### 2.10.1 IIC Activities conducted since last BoG Meeting:

Sl No	Name of coordinator	Department	Activity	Name of the Program/ Industry	Date	No .of participants (students)	Estimated/ Actual Expenditure
1.	Dr Manu J Pillai	CSE	Workshop	Python Programming	23.12.2017 to 24.12.2017	70	32664
2.	Prof Abid Hussain	ECE	Workshop	VLSI Design for final year students	30.07.2018 to 31.07.2018	70	9830
3.	Dr Manu J Pillai & Prof Shyna A	CSE	Workshop	Machine learning	08.09.2018	80	20722

BoG ratified the above.

## 2.10.2 Industry Institute Interaction Activities planned

Sl No	Name of Coordinator	Department	Activity	Name of the Industry	Date	No. of participants	Estimated/ Actual Expenditure
1	Prof Mohamed Shahid P A, & Prof Firoz N	Mech	Two days' workshop on HVAC	ACE Cochin/Bangalore	01.02.2019-02.02. 2019	50	20000/-
2	Dr. K.E. Reby Roy	Mech	Workshop	KMML, Chavara, Kollam	25.01.2019 to 26.01. 2019	50	25000/-
3	Prof Rizwan Rasheed, & Prof. Akhil	Mech	Hands on NDT workshop	Aghora Design Academy, Cochin	20.02.2019 to 22 .02.2019	40	80000/-
4	Dr Manu J Pillai	CSE	During Btech and After Btech	Fullcontact India Ltd, Cochi	February 2019	100	24000
5	Manikandan P M, Adil Muhammed	Chemical	Workshop -Industry conclave	KMML,IRE,TTP,SATT	Feb 2018	150	100,000
6	Prof Shanavas and Prof Mohammed Shanir PP	EEE	NEC and ECBC Familiarisation	Energy Management Centre	February 2019	300	10000

BoG approved the above.

## 2.11 Approval/ratification of of programmes under student support (EAP)

### 2.11.1 Inhouse programmes conducted under student support

Sl.No	Name of Program	Branch	Name of Coordinator	Industry Name/Instn Name/Faculty	Date	No. of days	No. of Student	Actual/ estimated
1	Workshop on Introduction to QGISfor Vth semester students	Civil	Dr Adarsh S	Sri.B.K.Jaya Prasad, former scientist, NCESS, Govt of India,Sri.AnuMurali, Spatial Data Officer , Sri Tanish C Brown, Technical Officer,IT dept Govt of Kerala	23.07.2018 to 28.07.2018	6 days	138	55898
2	Programming skill improvement	ECE	Prof Abid Hussain	Prof Sidhik A, Assistant Professor, Dept of IT, Perumon Engineering College	24.07.2018 to 28.07.2018	4days	130	27139
3	Personalitydevelopment programme for S7 students	ECE	Prof Anu Assis	Dr Thomas George, Director, LEAD college, Dhoni, Palakkad	25.07.2018	1day	130	17116
4	Softskill development programme	CSE	Prof Shyna A Dr Manu J Pillai	Sri.RajanThampuiran Sri Rayees Amarun Nishad Sri.Deepak, Pragmatix Learning	31.07.2018 & 01.08.2018	2days	120	38723

5	softskill development for s7 students	E CE	Prof Anu Assis	Sri. Rayees Amarunnishad, Head, Academics, Caregr Launchers, Kowdiar, TVM	24.07.2018 26.07.2018 to 28.07.2018	4days	260	26439
6	Expert lecture on Distributed generation & Smart Grid technologies for 7 <sup>th</sup> sem	EEE	Dr Sheeba R	Dr Unnikrishnan, EEE dept. RSET, Cochin	3.07.2018	1 day	140	8689
7	Worksho on Buiding Socio-EmotionalQuotient for T5 students	ECE	Prof Nishanth N	Prof.Tara Sebastian, St. Therasas college, Ernakulam	10.10.2018	1 day	120	13544
8	Workshop on Project design	CSE	Prof Mohammed Siyad B	Sri Sreeju S Kumar, Head of PSO, Good Methods Global, Technopark, TVM	15.10.2018	1 day	75	6645
9	Expert lature on Pattern Recognition	ECE	Prof Nishanth N	Prof Bindu, SCT College of Engineering, TVM	5.11.2018 9.11.2018 15.11.2018	3 days	48	15735

BoG ratified the above.

### 2.11.2 Remedial class conducted

Sl. No	Name of Programme	Branch	Name of Coordinator	Name of Industry/ Institution /Faculty	Date	No. of hours	No. of Student Participants	Actual/ estimated Expenditure (Rs.)
1	Remedial class on Engineering Physics for Ist semester mechanical, production civil engineering students	Physics	Prof Shargina Beegum	Prof Shargina Beegum	20/09/18, 31.10.18, 6/11/18, 13.11.18	10	52	6000
2	Remedialclass on Basics of Mechanical Engineering	EEE	Prof Asha Raveendranath	Prof Mohith Dadu, Prof Firoz N, Prof Mohammed-Shahid P A	November 2018	30	24	18000
3	Remedial class on Introduction to Electrical Engineering	EEE	Prof Asha Raveendranath	Prof Joshy John, Prof Jenifer Marian Johnson	November 2018	20	20	12000
4	Remedial class on Solid state devices & Network Theory	ECE	Prof Sajeena A	Prof Anu Assis, Prof Vishnu D	November 2018	20	70	12000

BoG ratified the above. BoG opined that Bridge course in Mathematics and Physics may be conducted for 1<sup>st</sup> year students .

### 2.11.3 Inhouse programmes to be conducted under student support

Sl. No	Name of Programme	Branch	Name of Coordinator	Name of Industry/Institution /Faculty	Date	Duration	No. of Student Participants	Actual/estimated Expenditure (Rs.)
1	Bridge course in communicative English for students of all programmes	Institution	Dr Seema K Nayar	Council for Curriculum Management, Kannanalloor, Kollam	November 2018 to March 2019	120 hours	140	90000
2	Bridge course in Engineering Mechanics	Civil	Dr Seema K Nayar	Dr.KP Ramaswamy, Dept. of Civil Engg.	December 2018	12 hours	145	7200
3	Bridge course in Structural analysis	Civil	Dr Sajeeb R	Dr Sajeeb R & Dr Nazeer M	January 2019	12 hours	154	15000
4	Bridge course on Computer Communication for 6 <sup>th</sup> semester students	ECE	Dr.Dhoulath Beegum	Dr.Dhoulath Beegum	January 2019	10 hours	40	6000
5	Bridge course in Concrete and steel design for 6 <sup>th</sup> semester students	Civil	Dr Bindu S	Prof Nizad A, Rtd.Professor, TKMCE, Dr Suresh,	January 2019	6 hours	150	7200
6	Training programme on Contour surveying	Civil	Dr Sajeeb R	Prof P N Mohan, MBCET, TVM	January 2019	2days	150	15000
7	Workshop on Python Programming	ECE	Prof Nishanth N	PANTECH Infosystem	04/1/2019 to 6.01.2019	3days	80	20000
8	Workshop on Raspberry Pi	ECE	Prof Nishanth N	PANTECH Infosystem	4/1/2019	3 days	80	20000
9	Skill Development in Solar PV integration	EEE	Prof Mohemmadali Shefique K and Dr Sheikh	Techgreen	January 15-18, 2019	4days	200	40000
10	Softskill development programmes	ECE	Prof Anu Assis	Career Launchers	January 2019	2days	133	25000
11	Softskill development programme on Goal setting & motivation	ECE	Prof Reshna S	Sri Anil Kumar, ICCONS, TVM	15.11.2018	1 day	133	10000
12	Remedial class in Design of Hydraulic structures to 6 <sup>th</sup> semester students	Civil	Dr Bindu S	Dr Adarsh S	Jan to March 2019	10	30	6000

BoG approved the above

## **Part 3- Report**

### **Fund Utilization as on 15.11.2018**

<b>Sl No</b>	<b>Category of Expenditure</b>	<b>Particulars</b>	<b>Amount spend in Lakhs</b>	<b>Advance paid in Lakhs</b>	<b>Committed expense in Lakhs</b>
1	Equipment Replacement Fund	Equipment Replacement	5.10	-	5.34
2	Equipment Maintenance Fund	Equipment Maintenance	0.14	-	2.69
3	Faculty Development Fund	Faculty attended subject domain training	2.13	-	3.97
		Inhouse workshop/conference/training	6.51	-	13.00
		Faculty attend Management capacity development programme	-	-	4.00
		Participation by faculty in external conference/ workshops,etc.	1.90	-	0.65
		Staff development	.005	-	5.82
4	Corpus Fund	Students attend conference for research paper presentation	.58	-	1.27
		Research seed money project	-	11.45	16.37
		Industry Institute Interaction programmes (inhouse)	1.13	-	2.59
		Internship in industry	-	-	1.32
		Industrial visit	-	-	3.30
		Remedial class	-	-	0.60
		Skill development programmes& others	1.95	-	2.72
		Visiting faculty	.22	-	.25
		Incremental operating cost	2.94	-	1.50
		<b>Total</b>	<b>22.60</b>	<b>11.45</b>	<b>65.39</b>

**Total Fund received : Rs.238.76 Lakh**  
**Total Expenses : Rs.22.60 Lakh**  
**Total Advance paid : Rs.11.45 Lakh**  
**Balance amount : Rs.204.71 Lakh**  
**Total Committed expense:Rs. 65.39 Lakhs**

**BoG noted the status of fund utilization and expressed satisfaction.**



## Part 4- Any other items

### 4.1 Approval/Ratification of appointment of Bindu K, Clerk cum junior Accountant.

12<sup>th</sup> BoG held on 18.11.2017 has decided to appoint one Clerk cum junior accountant on contract basis through a fresh recruitment process for the period after 15<sup>th</sup> December 2017 for the smooth functioning of utilization of four funds. As per the decision of BoG, an interview was conducted on 14.12.2017 and recommended to select Bindu K for the post of Clerk cum junior accountant with a consolidated monthly salary of Rs19000.00.

Decision : BoG ratified the appointment.

### 4.2 Expenditure for attending conference/seminar/workshop/Internship programmes/

Industrial visit by UG/PG students :-

TA-sleeper class fair, accommodation charges, registration fee, fee for training materials/ any other expenses to students, as the maximum amount payable per students shall be Rs 5000/-

Decision : BoG approved the proposal.

### 4.3. In order to have advice on research proposals during the period to ensure the sustainability of TEQIP-II project, Dr.S.M.Sameer , Professor, Department of ECE, NIT, Calicut was appointed as Senior Research Advisor.

Decision: BoG ratified the appointment.

Meeting concluded at 1.30PM



Dr S Ayooob  
Principal, TKMCE



Shri Shahal Hassan Musaliar  
Chairperson,  
Board of Governors, TEQIP-II