

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

Venue: Board room

Date: 21/12/2019

Time: 11.00 AM

Members Present

1	Shri Shahal Hassan Musaliar President, TKM College Trust	Chairman
2	Er. T K Jalaluddin Musaliar Industrialist	Member(Industrialist)
3.	Shri. JaiSukhlal Additional Secretary, Higher Education, Govt. of Kerala	Member(Ex-offiio)
4	Smt Sreeja G R Finance Officer	Member(Ex-offiio)
5.	Dr. K Najeeb Director , SPFU, Kerala	Member(Ex-officio)
6.	Dr. K Gopa Kumar Professor,Dept of ECE, TKMCE	Member(Senior faculty)
7	Dr.Ushadevi Amma C Professor, Dept of EEE, TKMCE	Member(Senior faculty)
8	Dr. T A Shahul Hameed Principal ,TKMCE	Member Secretary (Ex-officio)

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

1. Dr. J Sree Kumar (University nominee, KTU)
2. Dr K P Indira Devi (Director of Technical Education)
3. Dr Haroon. M (Educationalist)

Also present

1. Dr Sajeeb R, TEQIP Coordinator
2. Prof. Anu Assis, Finance Coordinator
3. Dr Sheeba R, Procurement Coordinator
4. Prof. Shyba S , EAP Coordinator

Agenda Items

Part 1-Procedural

Sl. No	Items	Page Number
1.1	Confirming the Minutes of the 13 th Meeting of the Board of Governors held on 24.11.2018 at TKM College of Engineering.	3
1.2	Report on the action taken/action pending on the pertinent decisions in the Minutes of the 13 th Meeting of the Board of Governors held on 24.11.2018 at TKM College of Engineering.	3

Part 2-Discussions, Ratifications and Approvals

Sl. No.	Items	Page Number
2.1	Approval/Ratification of Replacement of equipments	5
2.2	Approval of Replacement of equipments/Upgradation of software	5
2.3	Approval/Ratification of Maintenance/repair of equipments	7
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.	9
2.6	Details of various academic activities planned	17
2.7	Research & Development activities : Approval/ratification of Research Seed Money project	24
2.8	Approval/Ratification of attended conference/workshop/industrial visit/internship activities by students	26
2.9	Approval of various academic activities planned by students	33
2.10	Approval/ratification of Industry Institute Interaction Cell Activities	34
2.11	Approval/ratification of programmes under students support(EAP)	36



Part 3-Reports

Sl. No	Items	Page Number
3.1	University Examination Results (2015-2019 Batch)	45
3.2	Placements (2015-2019 Batch)	45
3.3	Status of Fund utilization as on 15.12.2019	47

Part 4- Any other items

Sl. No	Items	Page Number
4.1	Limiting the Registration fee for training programmes/conferences/ workshops by faculty & staff as Rs.10000/- per participant	50
4.2	Re-appropriation of fund from Equipment Maintenance fund to Corpus Fund	50
4.3	Upgradation of Firewall software and hardware purchased under TEQIP main project	50
4.4	Enhancement of salary to Clerk cum Junior Accountant as per G O No. 81/2019/Fin dated 09.07.2019.	50

Part 5 –Annexure

Sl No	Items	Page Number
5.1	Minutes of 13 th meeting of Board of Governors held on 24.11.2018	52



Part 1

Procedural Items

1.1 Confirmation of the Minutes of the 13th Meeting of the Board of Governors held on 24-11-2018 at TKM College of Engineering

The Minutes of the 13th Meeting of Board of Governors of TEQIP Phase II of TKM College of Engineering held on 24.11.2018. 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 13th Meeting of the Board of Governors held on 24-11-2018 at TKM College of Engineering.

The decisions taken by the 13th BoG meeting held on 24-11-2018 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>
BoG directed to ensure that faculty attending STTPs are not receiving TA/DA from TEQIP if they receive it from the organizers of STTPs	The BoG direction is strictly followed.
Support to individual student's internship must be limited to Rs. 5000	The direction of the BoG is strictly followed. The financial support to students' internships is limited to Rs. 5000/student.

BoG noted the action taken.



Part 2

Discussion, Ratification and Approval

2.1 Approval/Ratification of Replacement of Equipments/Upgradation of Software

SI No	Name of equipment purchased under TEQIP-II	Department	ID No of item	Item for replacement/ Upgradation/A	Quantity	Description	Amount (Rs)
1	VLSI design	ECE	TEQIP II/VLSIDP/1424	Cadence Perpetual to Cadence Bundle 3 years TBL	10	Upgradation of software	450000

BoG ratified the upgradation of the software.

2.2 Approval of proposals for replacement of equipments/Upgradation of Software

SI No	Name of equipment purchased under TEQIP-II	Department	ID No of item	Item for replacement	Quantity	Description	Estimated Amount (Rs)
1	Diesel Genset	Institution	TEQIP II/D Gen/5654	Add on	1	Add on to equip an Automatic change over switch for the generator	238729
2	COD Digester	Civil	TEQIP II/COD/289	Complete Replacement	1	Replacement	170000
3	UV visible Spectro Photometer	Civil	TEQIP II/SPET/291	Add on to Spectro Photometer	1	Add on	390000
4	Desktop computers	CSE	TEQIP II/COMTR/4063-4087	RAM	25	Upgradation of RAM	50000
5	Desktop computers	CSE	TEQIP III/COMTR/4084, 4085	Mother Board	2	Replacement	14000

6	Desktop computers	CSE	TEQIP II/COMTR/4076, 4081	Hard disk	2	Replacement	6000
7	Electronic Weighing machine	Civil	TEQIP II/BAL/1199	Replacement	1	Replacement	10000
8	Shake Table Instrumentation	Civil	TEQIP II/STT/294	Accelerometer	1	Replacement	48000
9	Ansys	Mech	TEQIP II/Fluent/2	Upgradation	1	Software	500000
10	Mass Transfer Operations Lab: Absorption Packed Column	Chemical	TEQIP-II/APC/644	Peristaltic Pump for varying flow rate (PP-30EX), Peristaltic Pump for varying flow rate (pp-60-EX), Glass beads/ various packing materials of 3mm, 4mm, 6mm size	3	Add on	207000
11	PDC Lab: Temperature Control Trainer, Flow Control Trainer, Level Control Trainer, Pressure Control Trainer	Chemical	TEQIP-II/TCT/635, TEQIP-II/FCT/636, TEQIP-II/LCT/638, TEQIP-II/PCT/637.	Pressure controller's Software upgradation	4	Upgradation	25000

BoG approved the above and opined that upgradation of RAM of computer and replacement of part of an item to be included in Maintenance Fund.



2.3 Approval/Ratification of Maintenance or repair/AMC of equipments purchased under TEQIP II main project

SI No	Name of equipment purchased under TEQIP-II	Department	ID No of item	Item for maintenance/Repair	Quantity	Name of Firm	Amount (Rs)
1	Desktop computer	TEQIP office	TEQIP II/COMTR/4240	Motherboard, Cabinet	1	M/S Inspire Technologies, Kollam	5900
2	Laptop	Office	TEQIP II/LAP/1000	Keyboard, battery	1	M/S Maple Info Systems, Kollam	5516
3	Inverted Metallurgical Microscope with computerised Image Analytics kit & software	Mech	TEQIP II/IMM/257	Motherboard, battery	3	M/S Inspire Technologies, Kollam	4710
4	Laptop	CNC	TEQIP II/LAP/986	Battery	1	M/S Inspire Technologies, Kollam	2750
5	Laptop	ECE	TEQIP II/LAP/1007	Cabinet, OS change, service	1	M/S Shan Shani Computers, Kunnicoode	4480
6	30 KVA UPS	CCF	TEQIP II/UPS/8772	AMC	1	M/S Auto Power Systems & Solutions, Cochi	65827

The BoG ratified the above.

2.4 Approval of Proposals for Maintenance or repair/AMC of equipments purchased under TEQIP II main project

Sl. No	Name of equipment purchased under TEQIP-II	Department	Item for maintenance/Replacement	Quantity	ID No	Estimated Amount (Rs)
1	Highspeed Refrigerated Centrifuge	Chemical	Centrifuge and its stabilizer	1	TEQIP II/HSCEN/2866	15000
2	Computers	Mechanical	Cabinet, Motherboard	2	TEQIP II/COMTR	13146
3	Push Pull Jack	Civil	Annual maintenance & Calibration	1	TEQIP II/PP Jack/8896	7000

4	Transit Theodolite, Dumpy level, Plane Table	Civil	Maintenance	6	TEQIP II/Dumbi/1180-1185	50000
5	Consolidation Digital unit	Civil	Maintenance	1	TEQIP II/CONSOL/1197	50000
6	Electronic Weighing machine	Civil	Maintenance	1	TEQIP II/BAL300/1200,	1000
7	Electrolux Refrigerator	Civil	Maintenance	1	TEQIP II/REF/284	4000
8	Computers	CSE	Hard disk	2	TEQIP II/COMTR/4087	6000
9	Computer	Office	Cabinet, hard disk, Mouse	1	TEQIP II/PC/8908	7000
10	DELL Laptop	EEE	3- Keypad replacement, 1- Motherboard	4	TEQOP II/LAP/995,996,997	30000
11	CRO	EEE	Analog Oscilloscope	10	TEQIP II/AOSC/445	55000
12	CT Lab: Calibration of UV-Visible Photometer	Chemical	Mirror replacement, Calibration	1	TEQIP-II/SPECTRO/656	50000
13	Flame Photometer	Chemical	Calibration	1	TEQIP-II/FLAME/155	4000
14	PT Lab: Replacement of Pump for Leaf Filter Apparatus	Chemical	Replacement of Pump	1	TEQIP-II/LFA/652	6000
15	Mass Transfer Operations Lab: Steam Distillation Unit:	Chemical	Leakage, Heater Replacement, Temperature Sensors	1	TEQIP-II/SDS/642	12000
16	Dell Laptop	Chemical	Battery replacement	1	TEQIP-II/LAP/984	6000
17	Dell Laptop	Chemical	Key board & Battery replacement	1	TEQIP-II/LAP/588	6000
18	Diesel Genset	Institution	Periodic maintenance	1	TEQIP II/DGEN/5654	20000

The 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	International workshop on Rebuilding a resilient Kerala after floods	Civil	06.01.19 to 07.01.19	Dr Adarsh S	37	79	116	50000
2	Staff development programme Hands on serving electronic equipments	ECE	21.01.19 to 25.01.2019	Prof Shabeer S & Prof Reshna S	33	32	65	80530
3	Staff Development Programme on Modular skill upgradation in Electricals & Electronics Engineering	EEE	16.07.2019 to 18.07.2019	Prof Arun L & Sri Regimon G	15	0	15	22890
4	FDP on Artificial Intelligence & Machine Learning	ECE	08.07.2019 to 13.07.2019	Prof Reshna S	31	40	71	103260
5	FDP on Recent Trends in Environmental Engineering- RTEE-2019	Chemical	15.07.2019 to 20.07.2019	Dr Anu N & Prof Shan S	25	31	56	99652
6	FDP on Electric vehicle Development , Integration and	EEE	08.07.2019 to 12.07.2019	Dr Shihabudheen K V and Prof Thasneem A	41	32	73	164761
7	One day Workshop on Bio composites and Sustainable Forestry	Mech	11.11.2019	Dr Mubarak Ali & Dr K E Reby Roy	30	18	48	30000

BoG ratified the above programmes. SPFU Director suggested that outcomes should be included in the report after conducting FDP/workshops and IRG to be indicated.



2.5.2 Ratification of expenses incurred on faculty attended Training programmes within India

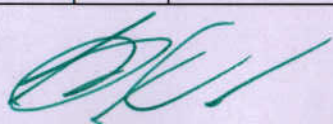
Sl. No	Name of Faculty	Department	Title of training programme	Duration and Date	Institution	Actual Amount (Rs)
1	Prof Fazil A & Prof Adil Mohammed	Chemical	Attended GIAN course on advances in combustion modelling	4.3.2019 to 9.3.2019	NIT, Calicut	14700
2	Prof Shameem Ansar	ECE	Attended FDP on Deep Learning Unfolded	27.05.2019 to 31.05.2019	Amrita University	7900
3	Prof Althaf M and Prof Asif Basheer	Civil	Attended STTP on limit State Design of Steel Structure	29.07.2019 to 02.08.2019	VNIT, Nagpur	25442
4	Prof Shyna A, Prof Mohammed Siyad	CSC	FDP on Geometry, Imaging and parallel computing for Cancer Treatment	10.06.2019 to 15.06.2019	NIT, Calicut	14293
5	Dr Mubarak Ali & Dr Ajimshad	Mech	FDP on Business Intelligence & Big Data Analytics,	01.07.2019 to 06.07.2019	Kaneru Lakshmaiah Education Foundation, Hyderabad	19066
6	Prof Muhammed Shahid, Firoz, Shifin and Prof Hashim V	Mech	FDP on Advances in Industrial Automation Fluid Power Control Technologies	01.07.2019 to 05.07.2019	NIT, Calicut	25404
7	Prof Shafi M N	ECE	FDP on IOT with Cloud Applications,	01.07.2019 to 05.07.2019	NIT, Jalandhar	22750
8	Prof Sofia	EEE	5 days FDP on Emerging Power Conversion Techniques & challenges for Renewable Energy & electric vehicles Applications	24.08.2019 to 28.08.2019	NIT, Tiruchirappally	7903
9	Dr Anu N	Chemical	FDP on Recent Innovations & Developments in Electro chemical process Optimization	17.06.2019 to 22.06.2019	NIT, Calicut	9610
10	Dr Vishnu R	Civil	GIAN course on Road Safety Engineering	24.06.2019 to 28.06.2019	IIT, Guwahati	31335
11	Prof Sarif N	Civil	GIAN course on Seismic	21.10.2019 to 25.10.2019	IIT, Delhi	28869
12	Prof Shabeer S	ECE	High intense course on MATLAB	19.10.2019 to 23.10.2019	Coimbatore Institute of Technology	10357

13	Dr Muhammed Shanir & Dr Shihabudheen	EEE	FDP on Statistics & Optimization Techniques using Software packages	02.12.2019 to 06.12.2019	Aligarh Muslim University, Aligarh	78850
14	Prof Anantha Padmanabhan	CSE	FDP on Artificial Intelligence and Machine Learning Applications in the Emerging areas of Computer Science & Information Technology	09.12.2019 to 13.12.2019	NITK Surthkal, Mangalore	9800
15	Dr Anzar S M	ECE	Continuing Education programme on Introduction to Machine Learning & Deep learning	02.12.2019 to 06.12.2019	IIT, Bombay	34600

BoG ratified the above.

2.5.3 Ratification of expenses incurred on faculty attended Workshop/seminar/Conferences within India

Sl. No	Name of Faculty	Department	Title of the Conference	Duration and Date	Institution	Actual Amount (Rs)
1	Prof Reena Mary George	CSE	Attend FDP on Deep learning	18.12.2018 to 22.12.18	NIT, Calicut	8900
2	Dr Sheik Mohammed	EEE	Attend workshop on evolutionary algorithm for engineering optimization	20.12.18 to 21.12.2018	Kalasalingam Academy, TN	4690
3	Dr Shafi & Dr Rijo Jacob Thomas	Mech	Attended National symposium on Cryogenic	16.01.19 to 18.01.19	IIT, Mumbai	44276
4	Dr Sheik Mohammed	EEE	Attend International conference	23.01.2019 to 25.01.2019	Sakthi Institute of Egg, Coimbatore	8550
5	Dr Sheeba R, Prof Sindhu.D.Pillai, Dr Sheik Mohammed, Dr Shihabudeen K V	EEE	Workshop on Delve into Future of Electronic Vehicle	15.03.2019 to 16.03.2019	NIT Calicut	29030
6	Prof Manikandan P M	Chemical	Workshop on Bio electro chemical Technologies for Waste to Energy conversion and resource Recovery,	22.07.2019 to 24.07.2019	Pondicherry University.	8364
7	Dr Mubarak Ali	Mech	Workshop on Mechanical system Modeling, Meshing and simulation using Ansys Workbench	01.10.2019 to 02.10.2019	Karpagam College of Engineering, TN	4508



8	Dr Reby Roy, Dr Mubarak Ali, Prof Shifin and Prof Hashim	Mech	Seminar on Artificial Intelligence	13.10.2019	IIT, Madras	25915
9	Dr Anzar S M	ECE	IEEE conference –TENCON 2019	17.10.2019 to 20.10.2019	Hotel Grand Hyatt, Kochi	14480
10	Prof Chinsu Mereena Joy	Civil	International conference on Innovative Trends in Civil engineering for sustainable development	13.09.2019 to 15.09.2019	NIT, Warrangal	7376
11	Dr Sabeena Beevi K	EEE	International Conference on Communication Systems & Networks	12.12.2019 to 13.12.2019	Mar Baselios College of Engineering	3500
12	Dr Rijo Jacob Thomas	Mech	National Conference on Cryogenics for Space, Liquid Propulsion Systems Centre(LPSC), ISRO	12.12.2019 to 14.12.2019	ISRO, Valiamala, TVM	7000

BoG ratified the above.

2.5.4 Ratification of expenses incurred on Staff attended Staff Development Programmes

Sl. No	Name of Staff	Department	Title of the Programme	Duration and Date	Institution	Actual amount (Rs)
1	Sri Haris A	ECE	Attended training programme at CoE, Perumon	21.02.19 to 23.2.2019	CoE, Perumon	800
2	Sri Y Johnson & Sri Nazeer Khan	Mech	Attended training programme Installation, Service & Maintenance of Inverter type split AC at	17.12.18 to 21.12.18	ATI, Hyderabad	27894

BoG ratified the above. It is suggested to improve staff development programmes especially in sustainability part.

2.5.5 Approval/Ratification of expenditure of International Conference conducted by Electronics & Communication Engineering Department

1. Nature of programme: International Conference
2. Name of the Convener/Organizing Secretary : Dr. T A Shahul Hameed
3. Designation: Professor
4. Department: ECE
5. Title of the Conference : International Conference on Microelectronics, Signals and Systems 2019
6. Duration and dates of conducts of the programme: 27th and 28th Sept 2019
7. Venue : TKMCE Kollam
8. List of Guest faculty with their designation and address:

1. Mr. Ibrahim Lari, CEO Sibca UAE
2. Dr. Suresh Devasahayam, Professor and head of Bioengineering , CMC Vellore
3. Dr. P Predeep, Professor, NIT Calicut
4. Dr. Deepa Venkatesh, Associate Professor, Dept of EEE, IIT Madras
5. Dr. Shaik Rafi Ahamed, Professor, Dept of ECE IIT Guwahati

9. . Number of participants attended the conference:

Number of participants			
Own Institution	National (outside the institution but within India)	International	Total
40	57	3	100

10. Whether course notes is issued to the participants(if applicable): Book of Abstracts distributed

11. Number of participants presented paper : 72

Own institution : 22

Outside institution within India : 50

International : nil

12. Outcome of the Conference : The conference succeeded in bringing blooming scientists, working engineers, and students on a common platform, to share their experiences and results, present their views and formulations in the topic, which in turn will foster research relations between academia and industry. The substantive sessions in the conference will focus on the specific areas of Electronics & Communication Engineering, apart from making attempts to identify the challenges in all the newly opened up realms in microelectronic devices and circuits, molecular electronics, signal and speech processing, communication and control systems.
13. Benefits to the participants : The participants were exposed to cutting edge research in their respective fields. Participants were introduced to critical review of their own research work and often appreciated different perspectives on the same problem during discussions and question answer sessions. Above all



the participants networked with peers and many gained exposure which will help them in their strive towards success.

14. Benefits to the host Institution: The college witnessed a technical extravaganza where cutting edge research was presented. Eminent scientists and researchers from institutes of national importance delivered plenary sessions. Industry experts participated in the conference which reinforced the bonding between the institute and industry. Sibca a world leader in electronic security systems offered a few scholarships to deserving students. Sibca chairman has promised to help set up certain research labs in emerging areas of research like AI and robotics.

DETAILED EXPENDITURE STATEMENT			
Course Name	ICMSS 19	No: of Participants	100
Duration of course	27 to 28 sept 2019	Registration Fee Collected	
Coordinator	Dr. T A Shahul Hameed	Income tax collected	3400
Honorarium of Resource Persons			
Receipt/Bill No:	Name	Amount	
1)	Dr. Deepa, Professor, IIT Madras	5000	
2)	Dr. Sheikh Rafi Ahammed, Professor, IIT, Guwahati	5000	
3)	Dr.Suresh, Professor, CMC, Vellore	3000	
4)	Dr. Ajayan, Professor, College of Engineering, Trivandrum	3000	
5)	Dr. Predeep, Professor, NIT, Calicut	3000	
6)	Dr.K.Gopakumar, Director Academics, KTU, Trivandrum	3000	
7)	Dr.Sreeni, Assistant Professor, College of Engineering, Trivandrum	3000	
8)	Dr. Jobymol, Associate Professor, CUSAT, Cochin	3000	
9)	Dr.Sajith, Professor, College of Engineering, Trivandrum	3000	
10)	Dr.Unni C, Professor, TKM Institute of Technology, Karuvelil	3000	
Total			34000
TA of Resource Persons			
Receipt/Bill No:		Amount	
11)	Dr.Suresh, Dr.Suresh, Professor, (to Kollam+ taxi fare)	2182	
12)	Dr. Deepa, Professor, IIT Madras (Flight from Chennai to Trivandrum+ taxi fare from Trivandrum to Kollam and return)	12000	
13)	Dr. Sheikh Rafi Ahammed, Professor, IIT, Guwahati (Flight from Guwahati to Trivandrum+ taxi fare from Trivandrum to Kollam and return)	24632	
14)	Dr. Ajayan (Train fare from TVM to QLN and return)	1500	
15)	Dr. Predeep ((Train fare from CLT to QLN and return)	1700	
16)	Dr.K.Gopakumar (Train fare from TVM to QLN and return)	1500	
17)	Dr.Sreeni (Train fare from TVM to QLN and return)	1500	
18)	Dr. Jobymol(Train fare from EKM to QLN and return)	1500	
19)	Dr.Sajith (Train fare from TVM to QLN and	1500	

	return)		
20)	Dr.Unni C(taxi from Karuvelil to Kollam)	500	
	TOTAL	48514	
<i>Accommodation of Resource Persons</i>			
Receipt/Bill No:		Amount	
21)	Dr. Sheikh Rafi Ahammed, Quilon Beach Hotel	3000	
22)	Dr. Suresh Devasahayam, Quilon Beach Hotel	3000	
		Total	54514
<i>Printing, Stationary, , Etc.</i>			
Receipt/Bill No:	Items	Amount	
23)	Brochure & cover,stamp,Printing,Photostat, stationary,photo,etc.	124557	
		Total	124557
<i>Lunch and Refreshment</i>			
Receipt/Bill No:	Items	Amount	
24)	Dinner(27/9/2019)	45000	
25)	Lunch (28/9/2019)	12000	
26)	Tea and snacks,water,etc	44857	
		Total	101857
<i>Course Materials</i>			
Receipt/BillNo:	Items	Amount	
27)	AIP publication charges	300000	
		Total	300000
		Grand Total	614928

Total amount requested from TEQIP-II : Rs.500000/-

BoG approved the above report of International conference and suggested that remuneration may be given for plenary session only.

2.5.6 Approval /Ratification of expenditure of International Conference conducted by Civil Engineering Department

1. Nature of programme: International Conference
2. Name of the Convener/Organizing Secretary : Dr Sajeeb R, Dr. Adarsh S
3. Designation: Professor/Associate Professor
4. Department: Civil Engineering
5. Contact details: email: adarsh_lce@yahoo.co.in
Mobile: 9446915388
6. Title of the Conference : International Conference on Modeling and Simulation in Civil Engineering ICMSC2019



7. Duration and dates of conducts of the programme: 11-13 December 2019

8. Venue : TKM College of Engineering Kollam

9. Number of participants, category wise (attach list):

Students/Research scholars : 73

Faculty : 60

10. List of Guest faculty with their designation and address:

- Prof. (Dr.) Slobodan P. Simonovic, Professor Emeritus, Department of Civil and Environmental Engineering, The University of Western Ontario, London, Ontario, Canada
- Prof. (Dr.) Vahid Nourani, Professor of Civil & Environmental Engg., Faculty of Civil Eng., Univ. of Tabriz, Iran
- Prof. (Dr.) Narayanan Neithalath, Professor of Structural Engineering and Materials. School of Sustainable Engineering and the Built Environment, Arizona State University, USA
- Prof. (Dr.) C.S. Manohar, Professor, Department of Civil Engineering, Indian Institute of Science Bangalore, India
- Prof. (Dr.) R.G. Robinson, Professor, Department of Civil Engineering, Indian Institute of Technology Madras, India
- Prof. (Dr.) Bhargab Maitra, Professor, Department of Civil Engineering, Indian Institute of Technology Kharagpur, India

11. Number of participants attended the conference:

Number of participants			
Own Institution	National (outside the institution but within India)	International	Total
70	62	1	133

12. Whether course notes is issued to the participants (if applicable): Book of Abstract issued; Proceedings will be published

13. Number of participants presented paper : 73

Own institution : 25

Outside institution within India : 47

International : 1

14. Outcome of the Conference :

The international conference provided really good opportunity for our faculty, researchers and students to interact with eminent researchers from different parts of the world. They shared the ideas and details of possible research avenues. Some of the keynote speakers and chief guest expressed their interest for collaborations with faculties of Dept of Civil Engg. identified some areas where some collaborative research can be developed.

15. Benefits to the participants :

The participants were exposed to cutting edge research in their respective fields. Participants were introduced to critical review of their own research work and often appreciated different perspectives on the same problem during discussions and question answer sessions. Above all the participants networked with peers and many gained exposure which will help them in their strive towards success

16. Benefits to the host Institution:

The college witnessed a technical conclave meeting international standards in which cutting edge research in different disciplines of Civil Engineering was presented. Eminent researchers from institutes of International and national importance delivered Keynote lectures. Prof. Slobodan Simonovic expressed his interest to collaborate with the institution on three specific research areas - developing non-stationary intensity duration relationships, developing improved reservoir operating policies and

developing flood risk mapping under a changing climate scenario. He also expressed to offer short courses for faculty and systems like GIAN can be explored. Prof. VahidNourani expressed his interest in collaborating in the domain of fractal analysis of hydrological time series, sediment transport and hybrid integral transforms-AI techniques for modeling hydro climatic processes. Prof Nourani offered his support in developing a collaborative research proposal, jointly with Near East University, Nicosia, North Cyprus, Turkey, university of Tabriz and TKM college of Engg.

17. Cost of the programme:

Sl No	Particulars	Amount
1	Honorarium to Resource persons	48000
2	Accommodation	70080
3	Travel including air fare	321283
4	Printing- Brochure, Book of Abstract, Certificates etc	122204
5	Publication of Proceedings (IOP)	337000
7	Food	190450
8	Registration materials	45550
9	Venue arrangements	45000
10	Photography and documentation	22000
11	Consultant's fee for clearance from ministries	64900
	Total	12,66,467

18. Total amount requested from TEQIP-II : **Rs.7,00,000/-**

BoG approved the report and sanctioned payment of 6 Lakhs for the conference. It was suggested to include IRG components & Acceptance ratio of papers.

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	FDP on Biomedical Instrumentation and Signal Processing	ECE	06.01.2020 to 11.01.2020	Dr Nissan Kunju & Dr Ansar S M	10	40	50	115000
2	Compiler Optimisation	CSE	February 2 days	Prof Jini Raju	30	25	55	60000
3	Research Challenges in Biomedical Imaging	CSE	January 5 days	Dr.Ansamma John Prof. Thushara A Prof.Shyna A	25	15	40	1,10000

4	FDP on Technological Advances in Multiphase Flow Systems	Chemical	13.01.2020 to 18.01.2020	Prof. Raiza Rasheed Prof. Manikandan	15	20	35	115000
5	FDP on Mathematical Modeling and Process Optimization of Chemical and Allied Processes	Chemical	11.05.2020 to 16.05.2020	Prof. Femina A Prof. Al Ameen A	15	25	40	1,20,000
6	FDP on Real Time Control & Monitoring of Power Electronic Systems	EEE	January 6-10, 2020	Prof Shanavas T N & Prof Sofia S	20	10	30	120000
7	Pre-Conference Tutorials	EEE	March 20-27	Dr Shihabudeen K. V, Dr Mathew P Abraham	30	20	50	120000
8	FDP on Power System Simulation	EEE	January 27-31	Prof Arun L and Prof Thasneem A	20	10	30	50000

BoG approved the above. It was suggested to conduct FDPs for 3/6 days.

2.6.2 Approval of proposals for International Conference to be attended within India

Sl.No	Name of Faculty	Department	Title of the Conference	Duration and Date	Institution	Estimated/ Actual Amount (Rs)
1	Prof Reshma Sheik	CSE	ACE-2020	24-01-2020 to 25-01-2020	CET Trivandrum	5000
2	Prof Sofia S	EEE	International conference on Automation, Signal Processing, Instrumentation and Control(ICASIC) 2020	27.02.2020 to 28.02.2020	Vellore Institute of Technology, TN	10900
3	Dr. Baiju V & Prof. Mohammed-Shahid	Mech	Conference on Refrigeration & Air conditioning	20.02.2020 to 22 .02.2020	KLM College of Engineering Trichi	10000
4	Dr. Anu N & Prof Femina	Chemical	International Conference on Green Energyfor Environmental Sustainability (ICGEES – 2020)	13.03.2020 to 14 .03 2020	NIT Calicut	20000

BoG approved the above and SPFU Director commented that faculty should attend one conference in high level institution.

2.6.3 Approval/Ratification of International Conference to be conducted by Electrical & Electronics Department

Department of Electrical & Electronics has submitted a proposal for conducting the International Conference on Power, Energy Control, Signals and Systems during 27-28th March 2020. The expected expenditure for the conduct of the conference is Rs 1155000/-.

Proposal for conducting International conference

1. Name of the Convener /organizing secretary: Prof. Baiju R Naina, Prof. Shanavas TN
Dr. Muhammed Shanir P P, Dr. Sheik Mohammed S
2. Department: Electrical and Electronics Engineering
3. Contact details: : phone number 9495681282
Email: baijurnaina@gmail.com
4. Title of the Conference: International Conference on Power, Energy, Control, Signals & Systems (IPECS 2020)
5. Discipline: Electrical and Electronics Engineering
6. Broad area: Electrical Engineering
7. Sub area: Electrical Power, Energy Systems, Control Systems, Signals & Systems
8. Nature of the conference:

National	
International	✓

9. Proposed dates of the programme: 27-28 March 2020
(Enclose brochure)
10. Whether this conference is approved by Board of Governors (BoG): To be approved
11. If international, whether clearance from MHRD/Govt. of India has been obtained:
(enclose details)
12. Number of participants expected to attend:

Local	Outstation		Total
	National	International	
75	75	10	160

13. Objectives of the conference:

International Conference on Power, Energy, Control, Signals & Systems (IPECS 2020) the premier conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Power, Energy System, Signals and Control.



14. Topics to discuss:

Power and Energy	Control	Signals & Systems
<ul style="list-style-type: none"> • Power Generation, Transmission and Distribution • Green and Renewable energy technology • Optimization techniques in Electrical Systems • Efficient Energy Utilization • High Voltage Engineering, HVDC-FACTS • Energy Auditing • Switching Circuits & Power Converters and Modeling • Power Electronics Controllers for Power Systems • Power System Monitoring, Control and Protection • Low Voltage DC Systems, Smart Grids, Micro Grids& Distributed Generation • Control Communication and Monitoring of Smart Grid • Energy Storage System • Electrical machines design • Electric and Hybrid Vehicles • Industrial electronics • Drives and Controls • Optimization Techniques 	<ul style="list-style-type: none"> • Control system modeling • Identification and estimation • metaheuristics methods in control • Intelligent control, Neuro-control, Fuzzy control and their applications • Neuro fuzzy Control • Control & Intelligent Sensors • Modeling and Simulation Techniques • Control of Biological and Bionics Systems • Modern Control Systems and their Applications • Linear & Nonlinear Control • Iterative learning control • Model-predictive control • Measurement-Data Acquisition • Process Control and Instrumentation • Robot Design, Development and Control 	<ul style="list-style-type: none"> • Big Data and Multimedia • MIMO and Array Signal Processing • Instrumentations and Measurements • Biomedical Signal Processing and Instrumentation • Computational Systems, Modeling and Simulation • Signal Detection and Parameter Estimation • Signal, Image and Video Processing • Speech and Audio Processing • Adaptive Signal Processing and Systems • Statistical Signal Processing • Design and Implementation of Signal Processing Systems (Embedded Systems, DSP, ASIC, VLSI and FPGA) • Statistical signal processing • Feature extraction, Data classification and pattern recognition • Object Extraction, Object detection and Localization

15. Expected outcome of the conference:

This conference shall provide a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Power, Energy Systems, Signals and Control.

16. Details of the proposed sessions:

The conference is scheduled during 27-28th March 2020. Details of the proposed sessions are as follows

Date	FN	AN
27.03.2020	Inauguration & keynote address Dr. Ir. Vinesh Thiruchelvam Deputy Vice Chancellor, Chief Innovation Officer Asia Pacific University, Malaysia	Technical Session Dr. B Chitti Babu Assistant Professor IIITDM, Kanchipuram, Tamilnadu
28.03.2020	Technical Session Dr. Rajesh Joseph Abraham, Associate Professor, Indian Institute of Space Science and Technology, Trivandrum, India	

17. Name & Designation of Chairperson/patron and Members of the Organizing Committee

Sl.No	Name	Designation and address
1	Sri. T.K. Shahal Hassan Musaliar,	President, TKM Trust & Chairman, BoG, TEQIP II, TKMCE, Kollam
2	Sri. T.K. Jalaluddin Musaliar	Treasurer, TKM Trust
5	Dr. T.A. Shahul Hameed	Principal, TKMCE, Kollam
6	Dr. Bijuna K Kunju	Professor & Head, Department of Electrical and Electronics Engineering, TKMCE
	Dr. C Usha Devi Amma	Professor, Department of Electrical and Electronics Engineering, TKMCE
7	Dr. T P Imthias Ahamed	Professor, Department of Electrical and Electronics Engineering, TKMCE
8	Prof. Baiju R Naina	Associate Professor, Department of Electrical and Electronics Engineering, TKMCE
9	Prof. T N Shanavaz	Associate Professor, Department of Electrical and Electronics Engineering, TKMCE
10	Dr. Muhammad Shanir P P	Assistant Professor, Department of Electrical and Electronics Engineering, TKMCE
11	Dr. Sheik Mohammed S	Assistant Professor, Department of Electrical and Electronics Engineering, TKMCE

18 Name, address of resource persons delivering Keynote / Plenary / Invited Lectures

Sl.No	Name	Designation and address
1	Dr. Ir. Vinesh Thiruchelvam	Deputy Vice Chancellor, Chief Innovation Officer Asia Pacific University, Malaysia

2	Dr. B Chitti Babu	Assistant Professor IIITDM, Kanchipuram, Tamilnadu
3	Dr.Rajesh Joseph Abraham	Associate Professor, Indian Institute of Space Science and Technology, Trivandrum, India

19 Budget estimate (enclose details)

Sl. No.	Particulars		Amount (in Rs.)
1	Hospitality to Guests and Participants		3,00,000
2	Guest Faculty/ Experts/ Technical Speakers	a) TA	250,000
		b) DA	75,000
		c) Lodging	100,000
		d) Honorarium	80,000
3	Replication of Printed Training Materials, Stationeries etc.		1,00,000
4	Publication of Proceedings		300,000
5	Any other item		50,000
Total			11,55,000
	Amount to be collected as registration fee from participants		3,50,000

Total amount requested from TEQIP-II: 6,50,000/-

BoG approved Rs. 5 Lakhs to conduct the conference.

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, Prof Shafi M N	ECE	Workshop on e-Yantra Robotics Lab setup	27.12.2019 to 28.12.2019	IIT, Mumbai	44000
2	Prof Anantha Padmanabhan	CSE	Workshop on e-Yantra Robotics Lab setup	27.12.2019 to 28.12.2019	IIT, Mumbai	18000
3	Dr Mathew P Abraham	EEE	Workshop on e-Yantra Robotics Lab setup	27.12.2019 to 28.12.2019	IIT, Mumbai	18000

4	Dr Shafi K A	Mech	FDP on Art of Teaching & Learning Engineering Graphics	30.12.2019 to 03.01.2020	NIT, Calicut	10000
4	Prof Femina A	Chemical	Optimization and Data Analysis in Engineering	06.01.2020 to 11.01.2020	GEC Kozhicode	10000
5	Prof Manikandan, Prof Shan	Chemical	GIAN course on Economic Plantwide Control of Integrated Chemical Process	06.01.2020 to 11.01.2020	NIT, Trichi	20000
5	Prof.Raiza Rasheed	Chemical	Workshop on Deep Learning	30.12.2019 to 04.01.2020	CET, TVM	10000
6	Dr Anu N	Chemical	Novel Perspective in Technologies for Micro-pollutant Removal from Aqueous System	20.01.2020 to 25.01.2020	NIT, Calicut	10000
7	Prof Femina A	Chemical	Air Delivery Systems & Indoor Environment Quality	02.03.2020 to 07.03.2020	IIT, Madras	20000
8	Prof. Arun L, Prof Thasneem, Prof Ifran, Dr Sheik, Prof Shihabudeen, Prof mathew	EEE	FDP on Research in Engineering	23.01.2020 to 24.01.2020	NSSCE, Palakkad	60000
9	Dr. Nissan Kunju	ECE	Machine Learning applications	6days	IIT D	30000
10	Prof. Shafi M N	ECE	Deep Learning	6days	IITD	30000
11	Prof. Nishanth N	ECE	Advanced Communication System	6days	IITB	30000
12	Dr. Anzar SM	ECE	MATLAB training in ML and DL	4days	Mathworks	30000
13	Dr. Nissan Kunju	ECE	Artificial Intelligence for Robotics	5days	IITK	30000

BoG approved only two faculty to attend workshop on e-Yantra Robotics Lab setup. All other proposals approved. BoG also opined that faculty should be encouraged to attend Swayam courses.

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	EEE	MDP at IIM	June 2020	IIM, Indore	30000

BoG approved the faculty to attend MDP.

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	Rejimon G	EEE	PETARC, KSEB	June 2020	IIT, Madras	15000
2	Mr. Haris	ECE	Hardware repairing and mainanance	5 days	ATI, chennai	20000
3	Mr. Muhammedd.Rafi	ECE	Hardware repairing and maintenance	5 days	Chennai	20000

BoG approved the above.

2.7 Research & Development Activities.

2.7.1 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 (Rs)
1	Dr Anu V Thomas & Dr Ramaswami	Civil	A Multy-Scale Approach to study the degradation of Alkali-activated materials in Organic acids	150000
2	Prof Athul M-Madhu	Civil	Development of water quantity index for the assessment of trophic status of an estuarine system	110000
3	Prof Mohammed Thowsif & Dr Ramaswamy	Civil	Durability of Cement Based materials exposed to Ammonium salts	150000
4	Dr Sabeena Beevi & Dr Shihabudheen	EEE	Design and Develop- ment of an early detection frame work for Lung cancer using High speed Gigapixel Coherent Computational Microscope	148700
5	Prof Sajeena A & Prof Reshna S	ECE	Indian Sign Language Recognition System for Deaf and Dump people	112000
6	Prof Shafi M N & Dr Nissan Kunju	ECE	Unmanned Aquatic Vehicle for Human Detection	144500
7	Prof Rehannara Beegum T & Prof Nisa A K	CSE	Autonomous Risk Mitigation Rover(ARM-Rover)	100000
8	Prof Anand Sekhar R &	Mech	Development of Aluminium Metal matrix composites using marble dust as a novel	75000

	Dr Mubarak Ali		reinforcement	
9	Dr Baiju V & Dr K A Shafi	Mech	Experimental Investigation on performance and emission characteristics of Composite Briquettes from water Hyacinth & agricultural wastes	150000
10	Prof Muhammed Zakkeer M & Prof Resmi S L	Mech	Numerical & Experimental Investigation on Mechanical properties of Rabbit bone	129000
11	Dr Anu N	Chemical	Combined Aerobic Sequencing Batch Reactor (SBR) and Composite Media Filter(CMF) Be for Dairy Effluent Treatment	150000
12	Prof Femina A	Chemical	Investigation over the Experimental & Mathematical Modeling of Novel Plant Based Biosorbents for the Sequestration of Hexavalent Chromium	150000
TOTAL				15,69,200

BoG approved the above and expressed concern about the outcome. Paper should be published and performance review should be conducted.



2.7.2 EXPERIMENTAL INVESTIGATIONS ON BIODIESEL EXTRACTION FROM WATER HYACINTH

Kerala, God's own country is blessed with a multitude of natural and human-made aquatic surroundings such as reservoirs, streams, canals, irrigation channels, paddy fields, ponds, etc. Aquatic weeds are undesirable flora that grows in an aquatic surrounding. Water hyacinth is a perennial herbaceous monocotyledon aquatic plant. The unconstrained growth of water hyacinth has adverse effects on the environment, economy and society. This weed adversely affects water transport, agricultural activities, inland fisheries, and promotion of lake tourism, on which the people of Kerala depend on for their livelihood. In Kuttanad, almost 95% area of the water bodies is infested with water hyacinth. Also, in Alappuzha, its overgrowth in Vembanad Lake, has affected the movement of passenger boats and houseboats. It causes damage to the boats' engine. Mass fish die off in the Veli Lake, of Trivandrum district has appeared several times. According to the Fisheries Department, the cause of this sudden fish death was due to a drop in oxygen level caused by water hyacinth infestation.

The objective of the proposed work is to resolve the problems as mentioned above in a practical way by utilizing water hyacinth as a feedstock material. The proposed study aims an experimental exploration on the potentiality of water hyacinth for biodiesel production. The current work also proposes utilization of water hyacinth as a thermal insulation material. Utilization of aquatic waste products for an industrial application will help to increase job opportunities in small scale industries and ultimately boost the economy of Kerala.

The Department of Mechanical Engineering of TKM College of Engineering is well equipped with laboratories to test the developed biodiesel, Computational Fluid Dynamics (CFD) and Computational Combustion Labs to analyse the developed biofuels. The facilities required for implementing the proposed work are equipment for the pre-treatment processing (chopping, grinding and powdering) of feedstock materials, **biodiesel reactor** for developing biodiesel and facility for thermo chemical analysis of feed stock materials and product analysis and emission testing facility (Gas analyzer) to conduct the emission characteristics of biodiesel.

BUDGET AND FINANCIAL ASSISTANCE

Sl No	Item	Price/Unit (Lakhs)	Quantity	Total Cost (Lakhs)	Remarks
1	Development of Bio diesel reactor	4.00	1	4.00	Machinery cost for liquid fuel production Bio diesel production pilot plant, Capacity: 10 Lpb, 6 kW, Semi-Automatic

Total (INR) – 4.00 Lakhs

BoG declined the above proposal as it include new procurement of machines.



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	Actual Amount (Rs)
1	Laxmy M SreeRaj	ECE	Workshop on Deep learning	18.12.2018 to 22.12.2018	NIT, Calicut	2598
2	Sanjana Anna Luckose	ECE	Workshop at GSSS Institute of Engineering and Technology for women on Analog & Digital system design using cadence	23.01.2019 to 25.01.2019	GSS Institute of Engineering & Technology for women, Mysuru	4600
3	Sruthi S	ECE	International Conference on Inventive communication & Computational Technology,	29.04.2019 to 30.04.2019	Gnanamani College of Technology, Namakkal, Tamil Nadu	5000
4	Anandhu Krishnan, Akhil, Anandhu R, Muhammed Shafi, Aromal A S	Mech	Workshop viz ACREX and HVAC&R exhibition	28.2.19 to 02.03.2019	Bombay Exhibition Centre, Mumbai.	22750
5	7 th semester 20 students of Chemical engg department	Chemical	Conference/workshop Chemplus- students conference	15.03.2019 to 17.03.2019	IIT, Madras	28558
6	Anandha Krishnan D S and Hashrin C P, CSE dept.	CSE	International Conference on Innovation in Information & Communication Technology (ICIICT)	25.04.2019 to 26.04.2019	St Peter's College of Engineering, Chennai	8990
7	Ashmi Achu Shinu, and Gayatri Nair, CSE dept.	CSE	IEEE Conference on Intelligent Computing & Control System (ICICCS 2019)	15.05.2019 to 17.05.2019	VAIGAI College of Engineering, Madurai	10000
8	Shany Monachan, Anjana, Devisree and Geethu 4 th semester students	CSE	International Conference on Intelligent Digital Transformation (ICIDT'19)	11.07.2019 to 13.07.2019	Sri Ramakrishna College of Engineering, Coimbatore	6000
9	Abu Sahil Ikbali and 3 students	Civil	GIAN course on Road Safety	24.06.2019 to 28.06.2019	IIT, Guwahati	11856
10	27 students of 3 rd semester & 7 th semester	Chemical	SCHEMCON '19 conference	17.10.2019 to 18.10.2019	Shroff's S R Institute of Chemical Engineering, Ankleshwar, Gujrat	62100

11	Bhagya, Jasbeen PG students	CSE	International conference on Micro Electronics Signals & Systems(ICMSS'19)	27.09.2019	TKMCE, Kollam	7000
12	13 students	ECE	International conference on Micro Electronics Signals & Systems(ICMSS'19)	27.09.2019	TKMCE, Kollam	45500

BoG ratified the above. BoG suggested that, in future, students should be encouraged to attend conference in premier institutions.

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

Sl. No	Name of Students	Department	Venue	Duration and Date	Actual Amount (Rs)
1	Shadan Azeez, Hiba Hashim and Prasad 8 th semester students	Mech	Internship at Larson & Turbo, Chennai	31.01.2019 to 15.02.2019	14940
2	Prof.Ahmmmed Vazim & 25 students	Mech	Technology exhibition BAJA SAI INDIA 2019, IIT, Ropar	07.03.2019 TO 10.03.2019	34375
3	10 students of Mechanical Production Engineering students	Mech	Internship at Keral State Road Transport Corporation(KSRTC), Kollam depot	22.07.2019 to 26.07.2019	10000
4	Dheeraj K Panicker	Mech	Kerala Small Industries Development Corporation (SIDCO), Kozhicode	23.07.2019 to 27.07.2019	500
5	6 students	Mech	HMT Mechine Tools LTD, Kalamasseri	01.07.2019 to 13.07.2019	21240
6	Adilsha & Arun T P	Mech	Bharath Petroleum Corporation LTD, Kochi	15.07.2019 to 26.07.2019	10000
7	John P George	Mech	Bharath Petroleum Corporation LTD, Kochi	17.06.2019 to 16.07.2019	5000
8	5 students	Mech	I-Era Technical Solutions LLP, Koovappally. Kottayam	24.06.2019 to 25.07.2019	15000
9	7 students	Mech	HMT Mechine Tools LTD, Kalamasseri	17.07.2019 to 30.07.2019	33030
10	Abhijith, Amal Roy & Jerome Fransis	CSE	Ignitarium Technology Solutions Pvt LTD, Kalamasseri, Kochi	20.06.2019 to 29.07.2019	15000

11	Niranjana M T	Mech	Aeroservoelasticity Laboratory Dept of Aerospace Engineering, IISC Bangalore	24.06.2019 to 08.08.2019	5000
12	5 students of 6 th semester	CSE	Internship at NIT, Calicut	01.07.2019 to 20.07.2019	3595
13	Durga M S & Arjun R	EEE	Internship at NIT, Calicut	19.06.2019 to 15.07.2019	1324
14	Radhika, SreeHari, Neeraj, Angel Mary 4 th semester students	EEE	KSEB LTD, Aruvikkara, TVM	22.07.2019 to 26.07.2019	7080
15	6 students of 5 th semester	EEE	Kerala Electrical and Allied Engineering company Ltd, Kundara, Kollam	22.07.2019 to 26.07.2019	4956
16	Sona Subair	EEE	Indian Institute of Technology, Bombay	17.06.2019 to 06.08.2019	5000
17	Gouri & Remya	EEE	Bharath Heavy Electricals Ltd, Bangalore	21.06.2019 to 10.07.2019	4255
18	Tinto Raj, Sruthi, Poja, Mahima	EEE	BSNL Regional Telecom Training Centre, TVM	15.07.2019 to 27.07.2019	15976
19	Jithin, Albin, Ayman, Rizwan	EEE	Inker Robotics Solutions Pvt Ltd, Trissur	22.07.2019 to 27.07.2019	12500
20	7 students of 7 th semester	EEE	Larsen & Toubro Switch gear training Centre, Coonoor, Nilgris	01.07.2019 to 12.07.2019	35000
21	Sanjeev & Abhijith, Varun, Jain, Mammen, Kiranjith, Vaishnav	EEE	KSEBL, General Division Kakkayam, Kozhicode	25.07.2019 to 30.07.2019	12390
22	Ajmy, Anna Sunny, Sariga, Aswathy	EEE	KSEBL, Training Centre & Period Generation Division Moozhiyar, Pathanamthitta	24.06.2019 to 28.06.2019	7080
23	9 students of 6 th semester	EEE	KSEBL Training Centre & Period TMR Division, KSEB Ltd, Kannur	04.07.2019 to 12.07.2019	45000
24	Shilpa VenuGopal, Deepa, Rinsha	EEE	KSEB Kuttiadi Hydro Electricity Board Ltd, Kakkayam, Kozhicode	25.06.2019 to 29.06.2019	5310

25	10 students of 6 th semester	EEE	KSEBL Training Centre & Period TMR Division, KSEB Ltd, Palakkad	15.07.2019 to 19.07.2019	18510
26	Arjun P V	Chemical	Indian Institute of Technology, Guwahati	24.06.2019 to 18.07.2019	2580
27	Jincy K S Abraham	Chemical	Synod Bioscience Pvt Ltd, Bangalore	01.07.2019 to 31.07.2019	5000
28	Evangelen Paul	Chemical	Synthite Industries Pvt Ltd, Kolenchery	01.07.2019 to 31.07.2019	5000
29	Sreelakshmi	Chemical	Hindustan Petroleum Corporation Ltd, HP Green R & D Centre, Bengaluru	01.07.2019 to 31.07.2019	5000
30	Jishnu, Achuth, Aslam	Chemical	Sai Life Sciences, Bidar, Karnataka	02.07.2019 to 16.07.2019	5365
31	Rishi Wilson, Kiran	Chemical	Hindustan Organic Chemicals Ltd, Ernakulam	01.07.2019 to 12.07.2019	8485
32	5 students 6 th semester	Chemical	Hindustan Organic Chemicals Ltd, Ernakulam	20.06.2019 to 03.07.2019	25000
33	Jefy Jean	Chemical	Hindustan Petroleum Corporation Ltd, HP Green R&D Centre, Bengaluru	01.07.2019 to 31.07.2019	5000
34	Hari, Athil, Sharafath, Jishnu	Chemical	Natural Remedies Pvt Ltd, Tamil Nadu	20.06.2019 to 28.06.2019	20000
35	Jamnas, Devanand, Salja, Akshay	Chemical	Kerala Minerals & Metals Ltd, Chavara, Kollam	22.07.2019 to 26.07.2019	1243
36	Arif, Akhil, Afnas, Salih, John	Chemical	ONGC Urban Plant, Mumbai	20.06.2019 to 20.07.2019	20900
36	Syam Sankar, Arjun Prakash, Srihari, Rahul R	Chemical	Bharat Petroleum Corporation Ltd, Cochi	01.07.2019 to	20000
37	Shabeer, Fasila, Kishore, Sarath, Sree Rag, Mufeeda, Sangeeth, Jishnu, Akhil, Vignesh, Ajay	ECE	PROMINENT, Mundoth, Kozhikode	24.06.2019 to 27.07.2019	30000

38	Lakshmi, Ashikh	ECE	Indian Institute of Space Science and Technology, Bangalore	20.05.2019 to 30.07.2019	4000
39	Athira M J	ECE	National Institute of Technology, Calicut	19.06.2019 to 12.07.2019	500
40	Sarath R Krishnan	ECE	Kasperob Robotics Pvt Ltd, Kottayam	21.06.2019 to 20.07.2019	5000
41	8 students	ECE	SPATEZ TECHNOLOGY LLP, Trissur	18.06.2019 to 18.07.2019	12000
42	Gokul & Hubail	ECE	SPATEZ TECHNOLOGY LLP, Trissur	08.06.2019 to 21.07.2019	3000
43	Anupama & Sajna Rose	ECE	SPATEZ TECHNOLOGY LLP, Trissur	20.06.2019 to 20.07.2019	3000
44	Vinayak, Mathew Roy, Mathews Francis, Arya, Aswathy, Parnika,	ECE	PACELAB Redefining Technology, Kochi	24.06.2019 to 28.06.2019	9000
45	Vignesh, Sreerag, Karthik, Amal, Vishnu	ECE	Inker Robotic Solutions Pvt Ltd, Trissur	01.07.2019 to 06.07.2019	6250
46	13 students of 6 th semester	ECE	BSNL Regional Training Centre, TVM	01.07.2019 to 14.07.19	18000
47	Sujil, Jikkumon James, Anjali, Sajitha	ECE	BSNL Regional Training Centre, TVM	22.07.2019 to 03.08.2019	6500
48	HariKrishnan	ECE	National Institute of Technology, Calicut	19.06.2019 to 24.07.2019	2500
49	Aravind, Abhishek Anil	ECE	Black Pepper Technologies Pvt Ltd, Bangalore	28.06.2019 to 30.07.2019	1960
50	Prathana Ramachandran, Gayatri, Nimya, Keerthana, Laxmy	ECE	Raitel Corporation of India Ltd, Delhi	20.06.2019 to 18.07.2019	10000
51	41 students of 3 rd semester students	ECE	KELTRON Knowledge Centre, Town Limit, Kollam	01.07.2019 to 05.07.2019	28700

52	Krishnaja, Saranya	ECE	KELTRON, Kannur	09.07.2019 to 16.07.2019	2000
53	Anoop, Farshad, Hafeez, AlNadhish, Baiju, Thameem, Arif, Sarath	ECE	KELTRON, Kozhicode	24.06.2019 to 30.06.2019	8000
54	Hrishikesh	ECE	BSNL Kannur	08.07.19 to 12.07.2019	1500
55	Abhijith, Giri, Akshaya	ECE	KELTRON, TVM	08.07.2019 to 21.07.2019	3750
56	Christy Jerome, Vishnu Ram, Jubin	ECE	KELTRON, Alappuzha	06.06.2019 to 13.06.2019	3000
57	Anjitha Varghese, Navya	ECE	IVA, Technopark, TVM	22.07.2019 to 26.07.2019	3000
58	Rinu Wilson, Jewel Anie	ECE	IVA, Technopark, TVM	08.07.2019 to 12.07.19	2500
59	Reshma Mamman,, Swathy, Yadhu Nandan	ECE	Neo Green Labs, Kochi	08.07.2019 to 14.07.2019	3000
60	Anaswara, Abhinand, Sooraj, Mohammed Salman Ali	ECE	Presevi Industries Pvt Ltd	22.07.2019 to 23.07.2019	2770
61	14 students of 6 th semester	ECE	Neo Green Labs, Kochi	01.07.2019 to 07.07.2019	16250
62	Akshay Vikram, Alex Abraham, Greeshma, Iswarya, Alan	Civil	ARTECH, TVM	20.06.2019 to 20.07.2019	12500
63	Nirmala Chandran	Civil	Larson & Turbo, Chennai	08.07.2019 to 23.07.2019	3000
64	Rinu Marian Panicker	Civil	Larson & Turbo, Chennai	15.07.2019 to 26.07.2019	1500
65	Sheena Shaji	Civil	IIT, Madras	21.06.2019 to 15.07.2019	3000

66	Jerusha Mary Thomas	Civil	Kerala State SPATIAL DATA Infrastructure, TVM	19.06.2019 to 15.08.2019	6000
67	Mohammed Navvar, Syamjith, Aslam, Rafeeqe	Civil	The Uralungal Labour Contract Cooperative Society Ltd, Kozhicode	26.06.2019 to 27.07.2019	4000
68	Mohammed Sooraj	Civil	L&T, Chennai	07.07.2019 to 21.07.2019	3000
69	Jijo, Aswin, Amal, Guvera	Civil	Kerala State Construction Cooperative Society Ltd	01.07.2019 to 12.07.2019	10000
70	Arya Thampi, Josmer Jose, Abhijith, Mohammed Hijas, Arya Ramachandran	Civil	MPS India Holiday Pvt Ltd	25.06.2019 to 06.07.2019	6000
71	Anjana G Remesh	Civil	L&T, Chennai	02.07.2019 to 23.07.2019	2500
72	Athira, Anjali	Civil	L&T, Chennai	19.06.2019 to 20.07.2019	6000
73	Mohammed Raneesh, Shahad, Raneesh, Nabeel, Ashik	Civil	HILITE Builder Pvt Ltd	19.06.2019 to 03.07.2019	880
74	Ayisha, Archana, Chelzy, Jiss Theresa Jose	Civil	Calicut International Airport	01.07.2019 to 30.07.2019	12000
74	Christy George Varghese and Althaf J Muhammed	Civil	RightEdge Infrastructure, Cochi	01.07.2019 to 31/07/2019	5000
75	Sarangi, Prarthina, Reethu, Rini	Civil	Joint Water Regulation Division, Prarambikulam Aliya project, Palakkad	20.06.2019 to 20.07.2019	12000
76	Dinu Mamachan, Anjali, Deepthi	Civil	IIT, Kharagpur	26.06.2019 to 25.07.2019	5520

BoG ratified the above.

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 / Actual Amount
1	Shajan S Asif Shah Robin David Ananthu Pillai	Mechanical	Conference on Refrigeration & Air conditioning	20.02.2020 to 22.02.2020	KLM College of Engineering Trichi	20000/
2	Caroline	EEE	International Conference at IIT, Madras	June 2020	IIT, Madras	5000
3	Dhiya John	EEE	International Conference at IIT, Bombay	June 2020	IIT, Madras	5000
4	S6/S4 students	Chemical	Advanced Characterisation Techniques for Polymers	24-25 Jan 2020	Central Institute of Plastics Engineering & Technology (CIPET) -IPT – Kochi	40000
5	S8/S6/S4 students	Chemical	International Conference	April 2020	NITs, IITs.	40000

BoG approved the proposals to attend conference in IITs and NITs only.

2.9.2 Internship programme planned by students

Sl. No	Department	Programme	No of students	Duration and Date	Institution/ Venue	Estimated/ Actual Amount (Rs)
1	CSE	Internship	30	June – July 2019 60 days	Trivandrum/Bangalore	1,50,000
2	Civil	Internship	40	June – July 2019 60 days	Trivandrum/Ernakulam/Calicut/Bangalore	1,20,000
3	Mech	Internship	40	June – July 2019 60 days	Ernakulam/Chennai/Bangalore	1,20,000
4	EEE	Solar Power Grid Integration	20	May-June 2020	EGET, Kakkanad	25,000
5	Chemical	Internship for 2 weeks	70	15 June- 20 July, 2020	BPCL, FACT, Petrocil, PETRONET LNG	2,00,000
4	ECE	Pre final year internship	10	15 days	IITs or NITs/ industries	50,000

BoG opined that case by case submission should be given and may be ratified in next BoG meeting.

2.10. Industry Institute Interaction Cell Activities

2.10.1 Approval/Ratification of IIC Activities conducted since last BoG Meeting:

Sl No	Name of coordinator	Department	Activity	Name of the expert/Industry	Date	No. of participants	Actual Expenditure (Rs)
1.	Prof Rizwan Rasheed	Mech	Workshop on Non Destructive Testing	INDUSCAN Petroleum Institute, Nilambur	08.04.2019 to 11.04.2019	Students -60	54260
2.	Dr Manu J Pillai	CSE	Two days Workshop on Industrial approach to Design projects	Sri Vineesh U S, Wipro, Bangalore Sri Manoj M Suntec, TVM	02.08.2019 to 03.08.2019	Students-80 Faculty-15	41034
3.	Prof Reshma Sheik	CSE	Two days Workshop on IBM Open Power and Artificial Intelligence	Sri Ganesh Narayana Swamy Dr Jayakumar-Singaram, Monika IBM, Bangalore	05.09.2019 to 06.09.2019	Students- 128 Faculty -18	43243

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	Dr Anu V Thomas & Dr Ramaswamy K P	Civil	Workshop on Non Destructive Testing of Concrete (NDT)	M/S Samhitha Innovations, Bengaluru	18.01.2019	50	30000
2	Prof Thushara A	CSE	Workshop on object oriented programming	IBM, Bangalore	February 2020	80	50000
3	Prof. Reshma Sheik	CSE	NoSQL with Elastic Search	Achu Sreedharan Goldman Sachs	February 2020	50	30000
4	Prof. Reshma Sheik	CSE	Data Science & its applications	IBM, Bangalore	January 2020	50	30000
5	Prof. Reshma Sheik	CSE	Open Source Awareness and its scope	ICFOSS, TVM	February 2020	50	30000
6	Prof Riswan Rasheed & Faraz P Junaid	Mech	NDT Workshop	Induscan, Nilambur	27.03.2020 to 29.03.2020	50	25000
7	Prof. Krishna kumar & Prof Leena R	Mechanical & Production	CFD workshop	Dimension Design Analysis	17,18,19 Jan 2020	30	55000
8	Prof M Deepthi	EEE	PLC-SCADA	SMEC Labs/ Cranes Software	May 2020	20	25000

9	Prof Sunitha Beevi K	EEE	Power System Operations and Control	PETARC, KSEB	June 2020	20	100000
10	Prof.Femina A	Chemical	Invited Talk: Job opportunities for Chemical Engineers.	Prof.Wahid, Petrocil Engineers & Consultants Private	05/02/2020	150	10000
11	Prof.Anu N.	Chemical	Invited Talk on Waste to Energy	G.J Eco Power Kochi	11/02/2020	150	10000
12	Prof.Manikandan p. M.	Chemical	Invited Tank on 'Innovations and Challenges in Chemical Engineering'	Petrocil Engineers & Consultants Private Limited	19/03/2020	150	10000
13	Prof.Al Ameen A.	Chemical	Industrial Conclave	BPCL, CMRL, TTP, KMML	29/04/2020	150	30000

BoG opined that these should be ratified in the next BoG, after following the procedure.

2.10.3 Professional Body Membership

Sl No	Name of Faculty	Dept	Name of Professional Body	Expenditure
1	Dr Rijo Jacob Thomas	Mech	American Society of Mechanical Engineers(ASME)	5000
2	Dr Ramaswamy K P, Prof HazeenaR, DrAnuVThomas, ProfSulphiaBeevi, Prof ChinsuMereena Joy, +Prof Rekha Ambi	Civil	Indian Concrete Institute	30000
3	Prof Thushara A	CSE	Computer Society of India	5000
4	Prof Reshma Sheik, Rehannarta Beegum	CSE	Association for Computing Machinery/IEEE	5000
5	Dr. Mohammed Sathik Prof. Riswan Rasheed Prof.Mohammed Shahid Dr. Thilakan H Dr. Rijo Jacob Thomas Prof. Mathew Skaria Dr.RebyRoy, Prof. Resmi Prof. Leena R	Mechanical	Indian Society of Heating refrigeration and Air conditioning(ISHRAE)	45000
6	20 faculty members	EEE	IEEE	100000
7	Prof.Femina A. Prof.Shan S. Prof.Manikandan P. M. Dr. Anu N. Prof.Raiza Rasheed Prof. Al Ameen A	Chemical	IEI IICHe ISTE	30000
8	Dr. Nissan Kunju	ECE	IEEE, IETE	Rs 5000
9	Dr. Anzar SM	ECE	IEEE	Rs 5000
10	Prof Anu Assis	ECE	Indian Society for Technical Education	Rs 5000

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/Institution Name/Faculty	Date	No. of days	No. of Student Participants	Amount Expenditure (Rs.)
1	Workshop on Simulation of Wireless network using NS-2 for PG students	ECE	Prof Nishanth N	Prof Santhosh Kumar and Prof Deepu Benson, Amal Jyothi College of Engineering, Kanjirappally	08.02.2019 to 16.02.2019	9	17	21242
2	Skill development programme for S4 students of all branches	All depts	Dr Rijo Jacob Thomas	14 expert trainers from M/S Career Launcher and M/S Pragmatix	04.02.2019 to 09.02.2019	6	834	199657
3	Workshop on Antenna Design and Fabrication for PG students	ECE	Prof Nishanth N	Prof Rahul Manohar, Asst Professor, College of Engineering, Trissur	20.05.2019	1	22	7365
4	Expert lecture on NP Hard and NP Complete problems	CSE	Prof Muhammed Siyad B	Prof Anil Kumar, Asst Professor, GEC, Idukki	04.05.2019 & 11.05.2019	2	75	14039
5	Workshop on An Introduction to QGIS for 5 th semester students	Civil	Dr Adarsh S	Sri B K Jaya Prasad, Former Scientist, NCESS, Govt of India, Sri Anu Murali, Spatial Data Officer, Sri Tanish C Brown, Technical Officer IT Dept Govt of Kerala	24.07.2019 to 30.07.2019	7	143	68748
6	Talk on Trends & Opportunities in Electronics for 1 st year students	ECE	Prof Anu Assis	Dr K GopaKumar, Academics Director, KTU, TVM	20.08.2019	1	129	7140
7	Skill development workshop on Train Your Brain for S3 & S5 students	CSE	Prof Thushara A	Dr Devi Raj, Consultant, Pranah Clinic, Kollam..	20.08.2019	1	132	5800
8	Workshop on LATEX for PG students	ECE	Prof Abid Hussain	Sri Prince T Mathew, Engineer, Product Development Investment, TVM	20.09.2019	1	35	4300
9	Talk on Electronic Circuits for 3 rd semester students	ECE	Prof Najia A	Dr K Gopakumar, Academics Director, KTU, TVM	22.08.2019	1	143	10520
10	One day hands on training on Non-Seismic Analysis using SAP 2000	Civil	Prof Sarif N	Dr Muhammed Safeer, Asst Professor, Govt Engg College, Kozhicode	15.11.2019	1	32	4528

BoG ratified the above.

2.11.2 Approval/Ratification of conducted MEP Workshop for students

The quality training on add on course in Mechanical, Electrical, Plumbing in the allied areas of HVAC & Refrigeration systems has great interest in India and abroad due to the huge increase in buildings that the country has seen recently. This course includes study of HVAC system, design of ducts, etc. Modules on

general awareness of MEP industries and job opportunities are also included.

Name of Programme	Dept	Name of Coordinator	Name of Industry	Date	No of students	Amount
MEP Electrical System Design for 7 th semester EEE dept students	EEE	Dr Muhammed Shanir P P	M/S Capitol Professional Academy International, TVM	12.10.2019 to 13.10.2019	50	Honorarium Rs. 20000/- Stationary & refreshment Rs 7000/-
MEP services with specialization on Fire Fighting for PG students	Mech	Prof Rizwan Rasheed	M/S Capitol Professional Academy International, TVM	19.10.2019 to 20.10.2019	30	Honorarium Rs20000/- Stationary & refreshment Rs 7000/-
MEP course on HVAC for 7th semester Mechanical students	Mech	Prof Mohammed Shahid P A	M/S Capitol Professional Academy International, TVM	09.10.2019 to 11.10.2019	35	Rs30000/- Stationary & refreshment Rs 7000/-
MEP course for 7 th semester Mechanical Production Engineering students	Mech	Dr Baiju V	M/S Capitol Professional Academy International, TVM	16.10.2019 to 18.10.2019	35	Rs30000/- Stationary & refreshment Rs 7000/-

BoG ratified the above and suggested that CO attainment should be shown.

2.11.3 Approval/Ratification of Remedial class/Bridge course conducted

Sl. No	Name of Programme	Branch	Name of Coordinator	Name of Industry/ Institution /Faculty	Date	No. of hours	No. of Student Participants	Actual/ Expenditure (Rs.)
1	Remedial class on Basics of Mechanical Engineering for 1 st year students	EEE	Prof Asha Raveendranath	Prof Mohith Dadu, Prof Joshy John, Prof Jenifer Marian Johnson, Prof Mohammed Shahid	23.10.2018 to 17.11.18	7	80	4200
2	Remedial class on Engineering Mechanics to 5 th semester students	Mech	Dr Mohammed Sadikh	Dr Mubarak Ali	27.11.18 to 29.11.2018	6	32	3600
3	Bridge course on Engineering Mechanics	Civil	Dr Seema K Nair	Dr K P Ramaswamy	9.02.2019 to 13.04.19	12	77	7200
4	Remedial class on Dynamics Machinery for 6 th semester students	Mech	Dr Mohammed Sadikh	Prof Mohith Dadu	20.05.2019 to 23.05.2019	20	27	12000

5	Remedial class on Mathematics for Lateral Entry students and at risk students	All depart ments	Dr Teena Liza John	Dr Rajesh, Dr Riyas, Dr Teena Liza John, Dr Deepak, Prof Fayis, Prof Asif Navas	18.08.2019 to 09.09.2019	21	74	12600
6	Bridge course on Laplace Transforms	EEE	Prof Asha Raveendranath	Dr Riyas A	05.08.2019 to 25.09.19	20	146	12000
7	Remedial class on Random Process & Advanced Digital Communication	ECE	Prof Abid Hussain	Prof Nishanth N	19.9.2019 to 19.11.2019	10	20	6000
8	Bridge course in communicative English for students of all programmes	All depts	Dr Seema K Nayar	Prof Jeevan Prakash, Faculty, Council for Curriculum Management, Kollam	14.03.2019 to 11.04.2019	39	49	23400
9	Remedial class on ThermoDynamics & Basics of Mechanical Engineering	Mech	Dr Mohammed Sadhikh	Prof Mathew Skaria	25.10.2019 & 29.10.2019	4	20	2400
10	Remedial class on Engineering Graphics	Mech	Prof T S KrishnaKumar	Prof Resmi S L	18.9.19, 19.9.19, 20.9.2019	6	20	3600
11	Remedial class on Mechanics of Solids	Mech	Dr Mohammed Sadhikh	Prof Sachin Chandran & Prof Shifin A S	02..9.2019 to 03.12..2019	28	47	16500
12	Remedial class on Mechanics of Machinery	Mech	Dr Mohammed Sadhikh	Prof Shifin A S & Prof Rakesh Pillai	9.10.2019 to 28.10.19	8	24	4800
13	Remedial class on Design of Machine Elements	Mech	Dr Mohammed Sadhikh	Prof Mohammed Dadu	23.09.2019 to 03.12.2019	16	5	9600
14	Remedial class on Random Process	ECE	Prof Anu Assis	Prof Nishanth N	05.09.2019 to 20.09.2019	7.5	24	4500
15	Remedial class on Digital Signal processing		Prof Anu Assis	Prof Shafi M N	23.09.19 to 26.09.2019	4.5	15	2700
16	Remedial class on Applied electromagnetic theory		Prof Anu Assis	Prof Sreegiri S S	24.09.19 to 28.09.2019	2.5	17	1500

17	Remedial class on Network theory, Control System		Prof Anu Assis	Prof Vishnu D	17.09.19 to 5.11.2019	12	16	7200
18	Remedial class on Solid State Devices		Prof Shabeer S	Prof Anu Assis	4.9.19 to 4.11.2019	9	36	5400
19	Remedial class on Power Electronics & Instrumentation		Prof Shabeer S	Prof Kartik S Prakash	20.09.2019, 25.09.2019	2	23	1200
20	Remedial class on Logic Circuits Design		Prof Anu Assis	Prof Abid Hussain	25.10.2019 to 5.11.2019	4.5	24	2700
21	Remedial class on Electronic Circuits		Prof Anu Assis	Prof Jyothis R	03.09.2019 to 02.11.2019	12	25	7200
22	Remedial class on Engineering Chemistry for 1 st semester students	Chemistry	Dr Chithra Devi	Prof Juhaina Ahed	18.09.2019 to 25.10.2019	9	15	5400
23	Remedial class on Mathematics-Linear Algebra and Calculus	Maths	Dr Teena Liza Hojn	Dr Teena, Dr Riyas, Dr Deepak Prof Fayis, Prof Asif Navas, Dr Rajesh	18.09.2019 to 4.11.2019	17.5	60	10500
24	Remedial class on Engineering Physics	Physics	Dr Shemim S S	Dr Ansheda, Dr SreeDevi Mohan	22.10.2019 to 24.10.2019	9	25	5400
25	Remedial class on Mechanics of Solid, Engineering Mechanics, Water Resources Engineering	Civil	Dr Ramaswamy K P	Prof Devika Prof Chinsu Mereena Joy, Dr Priya K L, Prof Asif Basheer	01.07.2019 to 01.11.2019	19.5	30	11700
25	Remedial class on structural Analysis, Design of Concrete structure, Fluid Mechanics	Civil	Dr Ramaswamy K P	Prof Althaf M Prof Bushra M A Prof Thowsif, Prof Athul M	24.09.2019 to 03.12.2019	12	30	7200
26	Remedial class on Circuits & Networks, Basic Electrical Engineering,	EEE	Prof Beevi Sunitha	Prof Nibin B P Prof Mohammed Manzoor, Dr Muhammed Shanir, Dr Mathew Prof	17.09.2019 to 29.11.2019	17	30	10200

27	Remedial class on Analogue Electronic Circuits, Power Electronics, C programming, Basic Electrical Engineering, ESD, Dig	EEE	Dr Muhammed Shanir	Prof Arun, Prof Reshma, Prof Salif N, Prof Sunitha Beevi, Prof Anagha, Prof Jyothish, Dr Shihabudheen		25	30	15000
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BoG ratified the above. In future, impact should be shown.

2.11.4 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	Estimated Expenditure (Rs.)
1	Workshop on Youth Capacity Development Workshop on Global Citizenship Education	Civil	Prof Sulphia Beevi	Sri Mohammed Jaseel, Social Entrepreneur, Co founder, The Gulmohar Foundations	20.12.2019 to 21.12.2019	2days	50	14000
2	Placement oriented Training Programme	CSE	Dr Manu J Pillai	Pragmatix pvt Ltd, TVM	January 2019	3 days	80	40000
3	Workshop on Mathlab	Parippally	24-25 Jan 2020	Prof. Sumod Sundar UKF College of Engineering	24.01.2020 to 25.01.2020	2days	50	25000
4	C Programme	Mech	Professor Syed Muhammed Fahd and Prof Leena R	Prof. Sumod Sundar UKF College of Engineering, Parippally	24-26 April 2020	3days	50	25000
5	Converter Fabrication	EEE	Prof Shanavas T.N	Prof Mohammadali Shefique	13 -15 Jan	3days	50	25000
6	Machine Learning	EEE	Prof Sunitha Beevi K	Mr Niyaz Mohammed	Feb. 2020	2days	50	25000
7	Python Programming	EEE	Dr Mohammed Shanir P. P.	ICT Academy	6.01.2020 to 14.01.2020	9days	30	10800
8	Introduction to MATLAB Toolbox	EEE	Dr Sabeena Beevi K	Dr C Usha Devi Amma	06.01.2020 to 14.01.20	9days	50	18000
9	AUTOCAD	EEE	Prof Baiju R Naina	CADSOFT	April 2020	3days	50	30000
10	High Rise Building Design	EEE	Prof Shyba S	Anantha Ganga Institute, TVM	May 2020	3days	50	30000

11	C-Programming	Chemical	Prof. Shan S	Mr. Gopu Darsan, SBCE, Patoor	17.01.2020 to 18.01.2020	2 days	30	25000
12	Workshop on MATLAB and MS Excel for Undergraduates	Chemical	Prof. Manikandan P. M.	Prof. Manilal A M, GEC Trissur	14.02.20 to 15.02.2020	2 days	70	50000
13	Workshop on Process Simulators (UNISIM)	Chemical	Prof. Manikandan P. M.	Unisim, Bangalore	20.03.20 to 21.03.2020	2 Days	70	50000
14	Basics of Programming	ECE	Prof. Sajeena A	Tvm	Jan to april 2020 two hrs per week	30 hours	138	50000
15	Expert lecture on estimation theory for PG students	ECE	Prof. Nishanth N	Prof. Shashikumar CET	05 Feb 2020	1 day	36	10000
16	C for industry	ECE	Prof. Anu Assis	Mr. Akhil A TCS	10/03/2020	1 day	130	20000
17	Aptitude training for first year students	ECE	Prof. Dhoulath Beegum J Prof. Anu Assis	Mr. Raez Amarunishad	03/01/2020	1 day	130	20000
18	Introduction to HFSS simulation	ECE	Prof. Sajeena A	Entuple Technologies	06.02.2020 to 07.02.2020	2 days	138	20000
19	Image processing using Python	ECE	Prof. Sajeen A	Entuple Technologies	17.02.2020 to 18.02.2020	2 days	138	20000
20	Machine learning using python	ECE	Prof. Shabeer S	Mr. Sumod S and Team	23.02.2020 to 26.02.2020	4 days	130	50000
21	Short course on Data Mining tools and Application	Civil	Prof. Mohammed Thowsif	Prof. Sangeeth N Marian Engineering College, TVM	March 2020	2 days	45	11000
22	Short course on programming in C++	Civil	Prof. Mohammed Thowsif	Prof. Sangeeth N Marian Engineering College, TVM	January 2020	2 days	80	20000
23	C programming	ECE	Prof. Shabeer S	Mr. Sumod S and Team	30.01.2020 to 31.01.2020	2 days	130	20000
24	Expert lecture on MIMO communication	ECE	Prof. Nishanth N	Ebin M Manuel, CET	24.02.20 to 25.02.2020	2 days	18	15000

25	Workshop on simulation of wireless networks using NS3	ECE	Prof Nishanth N	Deepu Benson , AJCE, Kanjirapally	13.03.2020 to 14.03. 2020	2 days	36	15000
26	Short course on R/Python Programming	Civil	Prof Sangeeth N	Marian Engineering College, TVM	February 2020	2days	45	11000
27	Software training programme on REVIT ARCHITECTURE for 4 th semester	Civil	Dr Seema K Nayar	M/S Intercad Systems pvt Ltd	09.01.2020 to 13.01.2020	5days	20	50000

BoG opined that the above should be scrutinized and ratified in the next BoG.



Part 3
Report

3.1 UNIVERSITY EXAMINATION RESULTS (2015-2019 Batch)

Branch	Overall pass %	S8 pass %	No. of B.Tech (Hons)	Position in KTU ranking
Civil	75	75	35	6
Mechanical	80	83.3	54	2
Production	68.2	84.8	14	1
EEE	80	88	26	2
ECE	82.7	94.5	8	14
CSE	79.2	84.7	0	2
Chemical	65.2	92.8	0	1

BoG noted the above.

3.2 PLACEMENTS (2015-19 Batch)

Branch >>>	CHEM	CE	CSE	ECE	EEE	ME	PROD	MCA	PG CIVIL	PG CSE	PG EC	Grand Total
Amazon (Off Campus)				2								2
BYJU's	2	1			3	2	1					9
BYJU's (Off-Campus)					1							1
Cameron						2	2					4
Cerium (Core)				5	3							8
CLAP RESEARCH (Ppo - CORE)			1									1
Cognizant			1	3	2					1		7
CURVE LOGICS								1				1
DexLock (IT)			2	9								11
Elegant Marine						4						4
ENVESTNET (IT)			4		3							7
FACE			2	2							1	5
Federal Bank (Non -Officer)			1		3	2						6
Federal Bank (PO)								1	1		1	3
Flytxt (IT)			4	3	1							8
HODO			1	1				1				3
IMS Learning		2		1		2						5
IndOcean Marine				2	3	2	2					9
Infosys	2	1		4	6	13	4			9	3	42
IQVIA (IT)			4	13	7	4						28
Knowledgelens (PPO)								8				8
L & T					1							1
Menerva								2				2

Menerva (PPO)			2									2
MITSOGO (IT)	2	2	2	4	3	1						14
MRF (PROD)						1	3					4
MRF Purchase						1						1
MRF R&D (CORE)	2					1						3
MRF(MAINT.)					3	5						8
MULTIPLEX									1			1
OSPYN (Ppo-CORE)			5									5
PULSUS	6			1								7
QUEST GLOBAL (IT)			6	27	32							65
SOUTH INDIAN BANK	1					1						2
Spectrum				2								2
Sutherland non Voice	4	2	2	3	2							13
Sutherland (Voice)	2	2	3	5	6	1	2					21
TATA ELXSI			1	4	9							14
TCS Digital (IT)			3									3
TCS iON – TCS						1						1
TCS Ninja (IT)	1		26	24	28	15	11	2		1		108
Tismo (Core)			2	4								6
Trade Ocean						1						1
Travancore Analytics			1	2								3
Triassic (IT)				4								4
ULTS		1		1	4			1				7
UST Global										2		2
VVDN				2								2
WIPRO				1	3							4
Grand Total	22	11	73	129	123	59	25	16	2	13	5	478
Branch >>>	CHEM	CE	CSE	ECE	EEE	ME	PROD	MCA	PG CIVIL	PG CSE	PG EC	Grand Total

BoG noted the above.

3.3 Status of Fund utilization as on 15.12.2019

Sl No	Category of Expenditure	Particulars	Amount spent (Rs. in Lakhs)	Committed Expenditure (Rs. in Lakhs)
1	Equipment Replacement Fund	Equipment Replacement	7.18	4.5
2	Equipment Maintenance Fund	Equipment Maintenance	1.04	--
3	Faculty Development Fund	Faculty attended subject domain training	5.80	1.25
		Inhouse workshop/conference/training	16.62	4.57
		Participation by faculty in external conference/ workshops,etc.	4.06	--
		Staff development	0.29	--
4	Corpus Fund	Students attend conference for research paper presentation/ Workshop,etc	2.53	1.08
		Research seed money project	14.64	15.69
		Industry Institute Interaction programmes	5.04	6.04
		Remedial class & Skill Development Programmes	6.39	2.63
		Visiting faculty	0.56	--
		Incremental operating cost(other expenses, salary, meeting expenses)	6.29	--
		Total	70.44	35.76



Summary

(a) Actual

	Corpus Fund (Lakh Rs)	Faculty Development Fund (Lakh Rs)	Equipment Replacement Fund (Lakh Rs)	Equipment & Civil Maintenance Fund (Lakh Rs)	TOTAL FUND (Lakh Rs)
FUND ALLOTMENT	59.83	60.00	59.55	59.53	238.91
EXPENDITURE (as on 15-12-2019)	35.45	26.77	7.18	1.04	70.44
FUND UTILIZATION (%)	59.25	44.61	12.05	1.75	29.48

(b) Committed

	Corpus Fund (Lakh Rs)	Faculty Development Fund (Lakh Rs)	Equipment Replacement Fund (Lakh Rs)	Equipment & Civil Maintenance Fund (Lakh Rs)	TOTAL FUND (Lakh Rs)
Committed Expenditure	25.44	5.82	0	4.5	35.76

Total Fund received : Rs.238.76 Lakh

Total Expenses : Rs 70.44

Balance amount : Rs. 168.32 Lakhs

Total Committed expense :Rs. 35.76 Lakhs

BoG noted the above.



Part 4

Any Other items

Part 4- Any other items

4.1 To limit the maximum amount of registration fee to attend Faculty/Staff development programmes as Rs 10000/- per participant.

BoG limited the amount to Rs 10000/- and suggested that faculty/staff attending courses in IIT, NIT, IISc, IIM should not have such restrictions.

4.2 Most of the proposals being received are under the scope of Corpus Fund. The amount earmarked as corpus fund is not suffice and hence BoG may kindly approve that Rs. 30 lakh from equipment maintenance fund may be used for such proposals.

BoG suggested to ensure that equipment maintenance is not affected. Fund transfer may result in betterment of students activities.

4.3 Upgradation of Firewall software and hardware purchased under TEQIP main project

BoG suggested to place the proposal in the Department purchase Committee and proceed..

4.4 Enhancement of salary to Clerk cum Junior Accountant as per G O No. 81/2019/Fin dated 09.07.2019.

BoG approved.

Meeting concluded at 1.30 pm.


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