**TECHNICAL EDUCATION QUALITY IMPROVEMENT**

**PROGRAMME Phase II Sub Component 1.1**



# 16th MEETING OF
# THE BOARD OF GOVERNORS

# DETAILED AGENDA NOTES

**Date: 04-12-2020**

**Time: 10.00 am**

**Venue: College of Engineering Karunagappally**

# COLLEGE OF ENGINEERING KARUNAGAPPALLY

## THODIYOOR P.O., KOLLAM-690523, KERALA

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## Background:

The meeting of Board of Governors is convened regularly to monitor the progress of TEQIP-II activities at CE Karunagappally, under Sub component 1.1, with emphasis to procurement and academic activities, and to accord necessary approvals and clearances for the ongoing activities. Regular activities of TEQIP II were completed in March 2017.

One of the key obligations to be complied with by the institutions under TEQIP II was to create and establish four funds, namely, Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund to ensure that the developmental activities continue beyond the Project period. Each project institution was to build these Funds with annual contribution into each Fund equal to at least 0.5% (total 2%) of annual total recurring expenditure of the institution. Sources could be a definite percentage of fee collection from students, savings from Block Grant, donations from alumni and charitable organizations, IRG including commercial use of facilities, consultancy earnings, consultancy earnings and matching Grants from Government/management on IRG etc. It is, therefore, the institution established the Four Funds. The purpose of these Funds is to ensure sustainability of the reform process beyond the Project Period.

The institution has deposited 2% of the annual recurring expenditure upto 2016-17 equally in all the four funds and other revenue collected from conducting training programmes and conference.

Necessary approvals and clearances are further required from BoG to continue the activities. The 16th meeting of the BoG is being convened on 4th of December, 2020.

The agenda items are given below.

# Agenda Items

Silent Prayer

## Part 1-Procedural

| Sl. No | Items | Page Number |
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| 1.1 | Confirming the Minutes of the 15<sup>th</sup> Meeting of the Board of Governors held on 19-9-2019 at College of Engineering Karunagappally | 5 |
| 1.2 | Report on the action taken/action pending on the pertinent decisions in the Minutes of the 15<sup>th</sup> Meeting of the Board of Governors held on 19-9-2019 at College of Engineering Karunagappally | 6 |

## Part 2-Ratifications and Approvals

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| 2.1.4 | Reimbursement of expenses incurred on Publications | 9 |
| 2.2 | Ratification of Expenditure incurred for various activities under FSD Fund | 14 |
| 2.3 | Ratification of expenditure under Equipment Maintenance Fund | 16 |
| 2.4 | Ratification of expenditure under Equipment Replacement Fund | 16 |
| 2.5 | Expenditure Summary as on 30.11.2020 | 17 |
| 2.6 | Activities in progress | 19 |
| 2.6.1 | Replacement of UPS batteries | 19 |
| 2.6.2 | Approval for the payment of cost of publication in Hindu daily | 20 |
| 2.7 | Approval for students support programmes | 20 |
| 2.8 | Approval for FSD programmes | 23 |
| 2.8.1 | In-house FSD programmes planned | 23 |
| 2.8.2 | Outstation FSD programmes planned | 24 |

## Part 3 Status Reports

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

## Part 5-Annexures

# Part 1

# Procedural Items

**1.1  Confirmation of the Minutes of the 15<sup>th</sup> Meeting of the Board of Governors held on 19-9-2019 at CE Karunagappally**

The Minutes of the 15$^{th}$ Meeting of Board of Governors of TEQIP Phase II of CE Karunagappally held on 19-9-2019 was sent to the Chairman for his approval and upon his approval copies were circulated among the other members of the BoG. A copy of the Minutes is appended as **Annexure 1** for confirmation.

**Action sought**: BoG may consider the Minutes for approval

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

The decisions taken by the BOG as recorded in the Minutes of the 15th Meeting of the Board of Governors of the TEQIP Phase II held on 19-9-2019 have been noted and actions have been initiated. A report on the action taken and actions pending is presented in the Table 1.1 given below

**Table 1.1**

| Item No in Minutes of the 15th BOG | Decision Taken | Action Taken |
|---|---|---|
| 1.1 | The BoG confirmed the approved minutes of the 14th Meeting | For Information |
| 1.2 | Took note of the action taken report and approved | For Information |
| 2.1 | The BOG took note and ratified the expenditure incurred under Corpus, FSD, Equipment maintenance and Equipment Replacement funds | No action needed |
| 2.2 | BOG took note and approved the expenditure incurred for attending the Faculty Development programmes | Payment is done |
| 2.3 | The BOG noted and approved the students support programmes planned | Placement training and motivation talk amounting to Rs.1,14,340 were conducted. 55% students from last year are placed. |
| 2.4 | The BOG took note and approved the proposals of FSD programmes by various departments | 2 inhouse programmes were conducted and 6 faculty attended different outstation programmes. Due to Covid 19 more programmes could not be conducted. However, all the faculty attended online courses by Coursera, SWAYAM etc. |
| 2.5 | The BOG took note and approved the proposals by various departments for repair/maintenance of equipment | Maintenance of 4 equipment purchased under TEQIP are done. Others are in progress. |
| 2.6 | The BOG took note and approved the proposals by various departments for replacing equipment | Replacement of 2 items purchased under TEQIP are done. Replacement of 40 |

|       |                                                                                                                                                                                                                                                                                                                                                                      | batteries for UPS is in committed stage. Others are in progress.                      |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2.7   | The BoG noted and approved for reimbursement of the expenses incurred on publications by faculty and students of various departments. BoG suggested to give training to students in IPR and Patenting.                                                                                                                                                                 | Payment is not done. Training to students in IPR and Patenting is planned now.         |
| 2.8   | The BOG decided to extend the appointment of the TEQIP staff for a further period of 179 days with effect from 28.5.2019 and engage after a break depending on necessity. After discussions, the BOG decided to enhance the daily remuneration of the TEQIP staff to Rs.740 per day as per the **GO**(**P**)No.**81/2019**/Fin dated 09/07/2019 , limiting to Rs.9000/- per month | Payment is done as per the decision.                                                   |
| 3.1   | The BoG noted the balance fund available in the four funds                                                                                                                                                                                                                                                                                                            | No action needed                                                                      |
| 3.2   | The BoG noted the status of four fund utilization as on 30.08.2019                                                                                                                                                                                                                                                                                                    | No action needed                                                                      |
| 3.3   | The BoG noted the results of odd/even semesters                                                                                                                                                                                                                                                                                                                       | No action needed                                                                      |
| 3.4   | The BoG noted the recent achievements of the Institution                                                                                                                                                                                                                                                                                                              | No action needed.                                                                     |
| 4.1   | The BOG approved the proposal to conduct colloquium                                                                                                                                                                                                                                                                                                                   | The colloquium was conducted                                                          |

# Part 2

# Ratification and Approvals

## 2.1 Ratification of Expenditure incurred for various activities under Corpus Fund

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

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

| Sl No | Class | Name of the Programme | No of days | Date | No. of Students | Expenditure (Rs) |
|---|---|---|---|---|---|---|
| **Students Programmes conducted /settled from September 2019 to November 2020** |||||||
| 1 | S7 B.Tech students | Placement training | 7 days | Aug . 6,7,8,17,19 and Oct.16,17 2019 | 107nos.( CSE 38 nos., EEE 36 nos., ECE 33 nos) | 41,200 |
| 2 | First year B. Tech Students | Motivational Class for first year students | 1 day | 18-02-2020 | 79 nos.(CS 45 nos., EC15nos., EEE 19 nos.) | 4,810 |
| 3 | B.Tech Students | Placement training | 8 days | Feb 17-20,2020 and 24-27, 2020 | S6 87 ( EC 29 nos., EEE 23 nos. CSE 35)<br><br>S4 59 nos. (EC 12 nos., EE 24 nos., CSE 23 nos.<br><br>S2 104 nos. (EC 42 nos., CSE 44 nos., EEE 18 nos.) | 68,330 |
| **Total** |||||| 1,14,340 |

**Action Sought:** BOG may kindly ratify the expenditure made for Student Training Programmes conducted

## 2.1.2 Expenses under IOC from September 2019 to November 2020

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

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

**Action Sought:** BOG may kindly ratify the expenditure made under IOC from September 2019 to November 2020

## 2.1.3 Remedial Classes conducted

| Remedial Class conducted | | | | | | |
|---|---|---|---|---|---|---|
| Sl. No. | Faculty | Class | Subject | Total Hours Engaged | Number of students | Amount (Rs) |
| 1 | Mr.Premnath G, Asst. Prof. in ME,Adoor | First year B.Tech CSE and EEE | Engineering Graphics | 24 | 38 | 14,400 |
| 2 | Mr.Manoj S, Asst. Prof. in Maths | First year B.Tech CSE | Linear Algebra and Calculus | 7 | 30 | 4,200 |
| **Total** | | | | | | **18,600** |

 82% students passed Engineering Graphics and 73% students passed Maths exams.
 **Action Sought:** BOG may kindly take note and ratify the expenditure made for remedial classes.

## 2.1.4 Reimbursement of expenses incurred on Publications

| Reimbursement of expense incurred on Publications | | | | | | |
|---|---|---|---|---|---|---|
| Sl. No | Title of Paper | Author | Publisher | Venue | Date | Reg.Fee |
| 1 | Smart Board | Reshmi R V  Naseef Nizar, Prasidh J S, | International Journal of | 2nd National Conference   on | 20,21March 2019 | 1,000 |

| | | B.Tech Students, Dept. EC Smt.Shiny C, Asst. Prof. in ECE, CE Karunagappally | Engineering and Science and Research Technology | Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | | |
|---|---|---|---|---|---|---|
| 2 | Dam Management | Abilash Krishnan R, Sabu P, Vishnu Narayan S, B-Tech Students, Dept of ECE Jayasree K R, Asst. Prof. in ECE, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20,21Mar ch 2019 | 1,000 |
| 3 | Self Driven Transporting Vehicle for Institution Campus | Harshana E , Karthika M, Kavitha P, B-Tech Students, Dept of ECE Dr.C Gopakumar, Asso. Prof. in ECE, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20-22 March 2019 | 1,000 |
| 4 | Advanced Hydroponic Sytem with Morbific leaf Detection | Deepa Mariyam Thanlachan, Pournami B S, Sreelekshmi R,, B-Tech Scholars, Dept of ECE Smt.Mili Roseline Mathews, Asst. Prof. in ECE | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20 March 2019 | 1,000 |
| 5 | Smart Helmet | Maneesha Krishnan, Assistant Professor in Electronics and Communication Engineering, C E Karunagappally,Surya S, Swathy S, Krishna A, B.Tech Students, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20-21 March 2019 | 1,000 |
| 6 | Safe Sole Distress Shock System for Female Security | Deepa T R,, Assistant Professor in Electronics and Communinication Engineering,, Arathy Soman, S Karthu | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication | 20-21 March 2019 | 1,000 |

| | | Krishnan, Thahseema Thajuddeen B.Tech students, C E Karunagappally | | Engineering College of Engineering Perumon | | |
|---|---|---|---|---|---|---|
| 7 | Cleaned EEG Signal : Automatic EEG Artifact Removal for Brain Monitoring | Govind M, PG Student , Deepa T R,, Assistant Professor in Electronics and Communinication Engineering, CE Karunagappally, | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20-21 March 2019 | 1,000 |
| 8 | Unmanned Robotic Search and Rescue Boat | Seena Susan George, Nidhi Retnan B.tech Student, Ce Karunagappally, Shanu N, Assitant Professor in Electronics and Communinication Engineering, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20-21 March 2019 | 1,000 |
| 9 | Inclusive Polling Paltform:An Aadhar Polling Platform for Migrant Labourers and Non Resident Indians | Smt.Amina, Asst. Prof. in ECE, Anupama Anand, Sreelekshmi P R, Sulsha N | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20-21 March 2019 | 1,000 |
| 10 | Under Ground Cable Fault Detection Robot | Smt.Shafana mol M I,Asst. Prof. in ECE | International Journal of Engineering and Science and Research Technology | 2nd National Conference on Emerging trends in Electronics and Communication Engineering College of Engineering Perumon | 20-21 March 2019 | 1,000 |
| 11 | Prostate cancer Grading-A review on Histopathology Images | Mannesh m, PG Scholar , CE Karunagappally Dr.Smitha P, Asso. Prof. in CSE, CE Karunagappally,Dr.Sujathan K | | 1st National conference on recent Scientific research in Engineering and technology John Cox Memorial CSI Institution and | 22 March 2019 | 1,500 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Technology and TECHOWN | | |
| 12 | A Review on Vehicle Detection Techniques in Digital Image Processing | Aswathy s Madhu, PG Scholar,ECE Smt.Shiny C, Asst. Prof. in ECE, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 13 | Various Image Compression Techniques: A Review | Arya G S,PG Students, ECE Smt.Shiny C , Asst. Prof. in ECE, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 14 | A review on Noise and ISI Reduction Methods Using Different Signal Processing Techniques | Veena Prasad, PG Student C E Karunagappally, Smt.Deepa T R, Assistant Professor in Electronics and Communinication Engineering, | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 15 | A review on various Stegeganography Methods | Athira K J, PG Student C E Karunagappally, Deepa T R, Assistant Professor in Electronics and Communinication Engineering, C E Karunagappally | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 16 | A review on Binary Classification of Alzheimer's Disease using Convolutional | Sheethal Thampi, Hima Dileep, P G Students, Mili Roseline Mathews, | International Journal of Engineering and Science and | 3<sup>rd</sup> National Conference in Advances in Informatics and | 29,30 March 2019 | 1,500 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | Neural Net works | Assistant professor in Electronics and Communinication Engineering, C E Karunagappally | Research Technology | Computing Technologies AICT 19 Department of Computer Science and Information technology | | |
| 17 | A review on Down Syndrome Detection using Choromosome Image Classification | Neethupriya, PG student, CE Karunagappally, Smt.Mili Roseline Mathews, Assistant professor in Communinication Engineering, C E Karunagappally | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 18 | A survey on facial Image Recognition and Recnostruction | Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally, Resma M S, PG student | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 19 | Anti Theft Protection of vehicle | Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally,Abhi rami K A, Ansu Ashokan, Haritharaj J | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 20 | A Review on Plant Species Classification using Deep Learning | Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally, Sreeja S Kurup | International Journal of Engineering and Science and Research Technology | 3<sup>rd</sup> National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and | 29,30 March 2019 | 1,500 |

| Sl No | | Name/Author | Journal | Conference | Date | Amount |
|---|---|---|---|---|---|---|
| | | | | Information technology | | |
| 21 | A Review on Indian Traffic Sign Recognition Methods | Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally, Divya P | International Journal of Engineering and Science and Research Technology | 3rd National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| 22 | A Review on Mammographic Classification | Smt.Sabeena M, Asst. Prof. in ECE, CE Karunagappally | International Journal of Engineering and Science and Research Technology | 3rd National Conference in Advances in Informatics and Computing Technologies AICT 19 Department of Computer Science and Information technology | 29,30 March 2019 | 1,500 |
| | | | | | **Total** | **27,000** |

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

**Action Sought:** BOG may kindly take note and ratify the reimbursement of expenses incurred on publications by students.

## 2.2 Ratification of Expenditure incurred for various activities under FSD Fund

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

| Sl. No | Name Of Coordinator | Title | Date | Number of participants | Advance | Expenditure (Rs) |
|---|---|---|---|---|---|---|
| | | **Training Conducted from September 2019 to Nov 2020** | | | | |
| 1 | Dr.Gopakumar C, Asso. Prof. in ECE | Colloquium: A Voyage from Shallow to Deep in Machine Learning-Prespective and Challenge in Research | 2 days 31Dec.2019 Jan.1, 2020 | 44 nos. (external 15 nos. & internal 29 nos.) | 37,500 | 39,612 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | Smt.Sunitha K Cherian, Sr.Supdt. | Development of Behavioural Skills | 3 days Jan 20-22, 2020 | 40 nos. (external 12 nos. & internal 28 nos.) | 40,000 | | 45,640 |
| **Total** | | | | | | | **85,252** |

A report on Colloquium is added as **Annexure 2** for reference.

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

| **Training Attended/settled from September 2019 to Nov 2020** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sl. No | **Name of Faculty** | **Title of Programme** | **Date/ Duration** | **Institution** | **Claimed Amount** | | |
| | | | | | Reg. Fee | TA/ DA | Tota l |
| 1 | Smt.Geetha S, Asst. Prof. in CSE | Indo-Swedish Seminar on Analytical Biology and Machine Learning in Cancer Research | 1 day, 13-05-2019 | Regional Cancer Center, Thiruvanantha puram | 1,500 | 1,920 | 3,420 |
| | Dr. C Gopakumar, Aso Prof. in ECE | | | | 1,500 | 2,030 | 3,530 |
| | Smt. Sabeena K, Asst. Prof. in CSE | | | | 1,500 | 1,920 | 3,420 |
| 2 | Smt.Geetha S, Asst. Prof. in CSE | Deep Learning Unfolded | 4 days, 27-05-2019 to 31-05-2019 | Amritha Vishwa Vidyapeetham, Amrithapuri | 4,150 | 504 | 4,654 |
| | Smt. Sabeena K, Asst. Prof. in CSE | | | | 4,150 | 504 | 4,654 |
| **Total** | | | | | | | **19,068** |

**Online Coursera courses attended by faculty and students**
The following Table shows the data given by Coursera Admin regarding the status of online courses attended by faculty and students of CE Karunagappally.

| | |
|---|---|
| Total enrollments | 1045 |
| Total unique learners | 190 |
| Learners who have enrolled in at least one course | 190 |
| Current members | 228 |
| Total unique courses | 395 |
| Total course completions | 396 |
| Total verified course completions | 396 |
| Total unique course completers | 119 |
| Total estimated hours spent | 3560 |

| | |
|---|---|
| Learners who have completed 50% of a course | 129 |
| Learners who have enrolled in 1 course | 56 |
| Learners who have completed 1 course | 61 |
| Learners who have enrolled in 2 courses | 31 |
| Learners who have completed 2 courses | 11 |
| Learners who have enrolled in more than 2 courses | 103 |
| Learners who have completed more than 2 courses | 47 |

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

**Action Sought:** BOG may kindly take note and ratify the expenditure incurred under FSD fund post the last BoG meeting and kindly note the Coursera online courses attended by faculty and students.

## 2.3 Ratification of expenditure under Equipment Maintenance Fund

| Sl No. | Name of Equipment | No. of items | TEQIP/ Non- TEQIP | Repair/ Maintenance | Estimate in Rs | Actual Amount |
|---|---|---|---|---|---|---|
| 1 | AMC for photostat machine in Office | 1 | TEQIP | Maintenance | 13,000 | 12,707 |
| 2 | Maintenance of Duplicating Machine | 1 | TEQIP | Stepper motor repair | 6,000 | 5,300 |
| 3 | Maintenance of Laser Jet Printer | 1 | TEQIP | Repair | 9,450 | 9,350 |
| 4 | Repair of Duplicating machine in Exam Cell | 1 | TEQIP | Transporting Belt repair | 6,000 | 5,983 |
| **Total** | | | | | **34,450** | **33,340** |

**Action Sought:** BOG may kindly take note and ratify the expenditure incurred under Equipment maintenance fund post the last BoG meeting.

## 2.4 Ratification of expenditure under Equipment Replacement Fund

| Sl No. | Name of Equipment | No. of items | TEQIP | Replace | Estimate in Rs | Actual Amount |
|---|---|---|---|---|---|---|
| 1 | Replacement of computer accessories in CSE | 6 items | TEQIP | Replaced | 69,300 | 54,460 |

| 2 | Payment for replacement of Motherboard (i7 Laptop) | 1 nos. | TEQIP | Replaced | | 15,000 | 14,623 |
|---|---|---|---|---|---|---|---|
| | **Total** | | | | | **84,300** | **69,083** |

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

**Action sought:** BOG may kindly take note and ratify the expenditure incurred under Equipment Replacement fund post the last BoG meeting.

## 2.5 Expenditure Summary as on 30.11.2020

| Name of Fund | Category of expenditure (Head of expenditure) | Sub-Activity | Total expenditure upto 30.8.2019 | Total expenditure from 01.09.2019 To 30.11.2020 | Total cummulative expenditure upto 30.11.2020 |
|---|---|---|---|---|---|
| **Corpus Fund** | Academic support for students | Expenditure incurred on research projects taken by UG/PG students | 0 | 0 | 0 |
| | | Expenditure incurred on research publications | 0 | 27,500 | 27,500 |
| | | Remedial Class | 0 | 18,600 | 18,600 |
| | | Visiting Faculty | 0 | 0 | 0 |
| | | Industry Institute Interaction | 1,30,070 | 0 | 1,30,070 |
| | | Skill Development & Others | 1,33,647 | 1,17,917 | 2,47,987 |
| | | **Total** | **2,63,717** | **1,60,440** | **4,24,157** |
| | Incremental operating cost | Salary | 1,15,910 | 1.32,320 | 2,48,230 |
| | | BoG meetings | 87,554 | 27,439 | 1,14,993 |
| | | Stationary and other expenses | 22,009 | 0 | 22,009 |
| | | Others | 0 | 16,715 | 16,715 |
| | | **Total Utilisation from Corpus Fund** | **4,89,190** | **3,36,914** | **8,26,104** |
| **Faculty Development Fund** | FSD | Expenditure on faculty members attended training in subject domain | 28,920 | 9,268 | 38,188 |
| | | Expenditure on faculty members attended pedagogical training | 0 | 0 | 0 |
| | | Expenditure on organizing inhouse subject area training programmes/workshops/seminars/conferences etc | 57,099 | 39,612 | 96,711 |

| | | | | | |
|---|---|---|---|---|---|
| | | Expenditure on participation by faculty in external seminars/conferences/workshops etc | 7,274 | 9,800 | 17,074 |
| | | Expenditure on staff development | 0 | 45,640 | 45,640 |
| | | Others | 0 | 0 | 0 |
| | | **Total** | **11,904** | **1,85,709** | **1,97,613** |
| **Equipment Replacement Fund** | ERF | Equipment | 14,000 | 69,083 | 83,083 |
| | | Books | 0 | 0 | 0 |
| | | Software | 0 | 0 | 0 |
| | | Furniture | 0 | 0 | 0 |
| | | Others | | 0 | 0 |
| | **Total** | | **0** | **83,083** | **83,083** |
| **Equipment Maintenance Fund** | ECMF | Equipment Maintenance | 55,189 | 33,340 | 88,529 |
| | | Civil Works | 0 | 0 | 0 |
| | | Others | 0 | 0 | 0 |
| | **Total** | | **55,189** | **33,340** | **88,529** |
| **Grand Total** | | | **6,51,672** | **5,43,657** | **11,95,329** |

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

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

**Action Sought:** The BOG may kindly note the expenditure and balance fund available in the four funds.

## 2.6 Activities in progress

### 2.6.1  Replacement of UPS batteries

In the last BOG meeting permission was given to replace 40 old batteries for the UPS in Electronics and Computer Departments by purchasing new batteries with an expected expenditure of Rs.4,00,000. Accordingly, AS was issued for the amount of Rs.4,00,000 and tender was invited for the purchase of 40 batteries by giving statewide advertisement in The Hindu daily. Names of five brands were specified in the tender and tenderers were expected to submit batteries of the specified make or similar ones. Four firms participated in the tender and three firms have quoted the prices for branded batteries as specified in the tender where as the other firm On & On Batteries, Kanjikkode, Palakkad, which has quoted the least price, quoted the price of batteries made by the firm. There is a total difference of Rs. 84,000 in the quoted price between this firm and the next higher quoted firm. The tabulation statement of the purchase of batteries is given below for reference. The Procurement committee members opined that the technical competency of M/S On & On Batteries is doubtful and the firm has no service centre in Kollam district and the nearby districts Thiruvananthapuram and Alappuzha which may affect the timely service of the batteries. Along with the tender, the firm has submitted the supply orders of two Govt institutions to which the firm had supplied batteries. When contacted one of the customers, Pazhayakunnumel Panchayat in Kilimanoor to which 10 batteries were supplied by the firm in 2017, the Electrical Engineer of the Panchayat conveyed that after one year of supply of the batteries there was no onsite service provided by M/s On & On Batteries. So, BOG is requested to give necessary advice in this matter.

**Action Sought**: The BOG may kindly note this and advise in the matter.

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

| Item. | Specification | FirmI<br>M/s. ON & On Batteries, Kanjikkode, Palakkad | Firm II<br>M/s. Exon Auto Electricals, Kodimatha, Kottayam | Firm III<br>M/s.KEN Power Tech, Kothanallor, Kottayam | | Firm IV<br>M/s. Hykon India Ltd. Pattam, Thiruvananthapuram | |
|---|---|---|---|---|---|---|---|
| UPS Batteries | 12V 100AH or above tubular type (5 years warranty in which 3 years onsite free replacement) | 5 years warranty in which 3 years onsite free replacement | 4 and half year warrenty | 4 year replacement warranty | 3 years replacement warranty | 5 yers Replacement warranty | 3 years replacement warranty |
| | Qty.& unit | 40 | 40 | 40 | 40 | 40 | 40 |

| Make | | On and On | Exide | Amaron | Amaron | Hykon | Hykon |
|---|---|---|---|---|---|---|---|
| Quoted Unit rate in Rs. (Including, excise duty, costs incidental to delivery) | | 6,800.00 | 9650.00 | 9450.00 | 8,900.00 | 9664.00 | 9240.32 |
| Amount | Total Price(A) | **2,72,000** | **3,86,000** | **3,78,000** | **3,56,000** | **3,86,000** | **3,69,612.80** |
| Sales tax and other taxes payable | In % | All Inclusive | All Inclusive | All Inclusive | All Inclusive | All Inclusive | All Inclusive |
| | In figures( B) | - | - | - | - | - | - |
| Gross Total Cost (A+B) | | **2,72,000** | **3,86,000** | **3,78,000** | **3,56,000** | **3,86,000** | **3,69,612.80** |

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

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

**Action Sought:** The BOG may kindly note this and give necessary approval to pay the amount to The Hindu daily.

## 2.7 Approval for students support programmes

The students support programmes planned for the next six months by different departments, approved by the Academic Committee and Finance Committee are given in the tables below. The expenditure for these programmes will be booked under Corpus fund.

| **EC Department- Training for students** | | | | | |
|---|---|---|---|---|---|
| Sl No | Area or Title of the programme | Sem | Duration | Proposed date | Estimate in Rs |
| 1 | Expert talk on Software component in engineering designs – expert from TCS | S7 | 1 day | Jan 2021 | 5,000 |
| 2 | Free and open source softwares- Expert from ICFOSS | S5 | 1 day | Feb 2021 | 5,000 |
| 3 | How to transform as an employable engineer – | S3 | 1 day | March 2021 | 5,000 |

| | Expert from Technopark | | | | |
|---|---|---|---|---|---|
| 4 | Expert talk on IPR and Patenting | S7 | 1 day | April | 5,000 |
| 5 | Remedial classes | All | 45 hrs | Jan-Apr 2021 | 27,000 |
| | | | | **Total** | **47,000** |

**CS Department- Training for students**

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

**EE Department- Training for students**

| Sl No | Area or Title of the programme | Sem | Duration | Proposed date | Estimate in Rs |
|---|---|---|---|---|---|
| 1 | Industrial Automation PLC/SCADA workshop | S7 | 2 days | Jan 2021 | 12,000 |
| 2 | Industrial and Project Oriented Training – CDAC | S5 | 1 day | Feb 2021 | 6,000 |
| 3 | Industrial Tutoring on Emobility-ANERT | S7 | 1 day | Feb 2021 | 6,000 |
| 4 | Industrial Tutoring-EMC IoT and Energy management | S3 | 1 day | Jan 2021 | 6,000 |
| 5 | Remedial classes | All | 64 hrs | Feb 2021 | 38,400 |
| 6 | Student Counseling | All | Regularly | Jan-Apr 2021 | 15,000 |
| | | | | **Total** | **83,400** |

**ME Department- Training for students**

| Sl No | Area or Title of the programme | Sem | Duration | Proposed date | Estimate in Rs |
|---|---|---|---|---|---|

| 1 | How to transform as an employable engineer – Expert from Technopark | S1 | 1 day | Jan 2021 | 5,000 |
|---|---|---|---|---|---|
| 2 | Student Counseling | S1 | Regularly | Jan-Apr 2021 | 5,000 |
| 3 | Remedial classes | All | 24 hrs | Jan-Apr 2021 | 14,400 |
| | | | | **Total** | **24,400** |

**Placement Training Programmes for Students**

| Sl. No | Topics Covered in Training | Sem/Year | Proposed dates | Estimate in Rs |
|---|---|---|---|---|
| 1 | Developing English language skill<br>Resume preparation<br>Aptitude and reasoning<br>Group discussion<br>Soft-skill development | First year students | Jan 2021 (6-days) | 40,000 |
| 2 | Resume Preparation as per the company's requirement<br>Aptitude and Reasoning<br>Group Discussion, soft skill development<br>Trial GD & Mock Interview (pre- preparation)<br>Self-employment & Entrepreneurship Development<br>Career and Higher Educational Guidance<br>Career options-vision setting<br>Coding and programming | Second year students | Jan-Feb 2021 (7-days) | 50,000 |
| 3 | Professional Resume Writing<br>Aptitude and Reasoning<br>Group Discussion<br>Preparing for Interview (Interview Skills)<br>Preparing for Technical Round<br>Preparing for HR Round (personal interview)<br>Trial GD & Mock Interview (pre preparation)<br>Self-employment & Entrepreneurship Development<br>Coding and programming | Third year students | Jan-Feb 2021 (7-days) | 50,000 |
| 4 | Aptitude and soft skill development | Final year students | Jan-May 2021 | 1,00,000 |

| | | | | | |
|---|---|---|---|---|---|
| | Company based interview Coding and programming Branch specific skill development programs | (14-days) | | | |
| | | **Total** | | | **2,40,000** |

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

**Action Sought:** The BOG may kindly note and approve the students support programmes planned for the next six months

## 2.8 Approval for FSD programmes

### 2.8.1 In-house FSD programmes planned

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

| **Electronics and Communication Department – Inhouse FSD programmes planned** | | | | | |
|---|---|---|---|---|---|
| **No** | **Coordinators** | **Course Name** | **No. of Faculty Members** | **Tentative Time** | **Estimate in Rs** |
| 1 | Smt. Shiny C, Smt. Rekha G. | Mathematical aspects behind Deep Learning | 40 | 5 days- Aprl 2021 | 25,000 |
| 2 | Smt. Mili Rosline Mathews, Dr. Gopakumar C. | Python for Deep Learning | 40 | 5 days- May 2021 | 25,000 |
| 3 | Mr. Shanu N, Smt. Sabeena M. | Internet of Things | 40 | 5 days- March 2021 | 25,000 |
| | | | | **Total** | **75,000** |
| **Inhouse Staff Development Programme planned –EC Department** | | | | | |
| **No** | **Coordinators** | **Course Name** | **No. of Staff Members** | **Tentative Time** | **Estimate in Rs** |
| 1 | Mr. Venu V. S, Mr. Anilkumar C V | Communication and Power Electronics | 30 | 5 days- March 2021 | 25,000 |
| | | | | **Total** | **25,000** |
| | | | | | |

| CS Department In-house FSD programmes planned | | | | | |
|---|---|---|---|---|---|
| No | Coordinators | Course Name | No. of Faculty Members | Tentative Time | Estimate in Rs |
| 1 | Dr Smitha P and Sabeena K | Security and Privacy in Big Data Analytics | 40 | 3 days Jan-2021 | 30,000 |
| 2 | Dancy Kuiren and Shani Raj | Cloud Computing Algorithms and Architecture | 40 | 3 days Feb-2021 | 30,000 |
| 3 | Manoj Ray and Vinod R | Cyber Security | 40 | 3 days Mar-2021 | 30,000 |
| Inhouse Staff Development Programme planned –CS Department | | | | | |
| No | Coordinators | Course Name | No. of Staff Members | Tentative Time | Estimate in Rs |
| 1 | Shibu V | Workshop on Desktop and laptop maintenance | 30 | 3 days April 2021 | 30,000 |
| Inhouse Staff Development Programme planned –Administrative Department | | | | | |
| No | Coordinators | Course Name | No. of Staff Members | Tentative Time | Estimate in Rs |
| 1 | Rupesh and Anoop Raj | Enhancing skills for effective office management | 35 | 3 days May 2021 | 30,000 |

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

**Action Sought:** The BOG may kindly note and approve the in-house FSD programmes planned for the next six months

## 2.8.2 Outstation FSD programmes planned

| Outstation FSD programmes planned | | | | | |
|---|---|---|---|---|---|
| Electronics and Communication Department | | | | | |
| Sl No | Name of Faculty Members | Area | Name of Institutions | Tentative Time | Estimate in (Rs) |
| 1 | Two Faculty | Deep Learning | IIT/NIT/Similar Institutions | Jan 21- May21 | 10,000 |
| 2 | Two Faculty | Image Processing | IIT/NIT/Similar Institutions | Jan 21- May21 | 10,000 |

| 3 | Two Faculty | Optimization problems | IIT/NIT/Similar Institutions | Jan 21-May21 | 10,000 |
|---|---|---|---|---|---|
| | | | | **Total** | **30,000** |

**Electrical and Electronics  Department**

| | Institutions | Area | No. of Faculty Members | Tentative Time | Estimate in Rs |
|---|---|---|---|---|---|
| 1 | IIT/NIT/Similar Institutions | One programme for each faculty | 4 | Jan 21-May21 | 20,000 |
| | | | | **Total** | **20,000** |

**CS Department**

| | Institutions | Area | No. of Faculty Members | Tentative Time | Estimate in Rs |
|---|---|---|---|---|---|
| | IIT/NIT/Similar Institutions | One programme for each faculty | 5 | Jan 21-May21 | 25,000 |
| | | | | **Total** | **25,000** |

**General Engineering and Applied Science Department**

| | Institutions | Area | No. of Faculty Members | Tentative Time | Estimate in Rs |
|---|---|---|---|---|---|
| 1 | IIT/NIT/Similar Institutions | Thermal Engineering/Design/ Manufacturing | 4 | Jan 21- May21 | 20,000 |
| 2 | IIT/NIT/Similar Institutions | Applied Physics | 1 | Jan 21- May21 | 5,000 |
| 3 | IIT/NIT/Similar Institutions | Non-linear Mathematics | 3 | Jan 21- May21 | 15,000 |
| | | | | **Total** | **40,000** |

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

**Action Sought:** The BOG may kindly note and approve the out station FSD programmes planned for the next six months

## 2.9 Approval of Maintenance of equipment

The detailed proposals by various departments for repair/maintenance of equipment to be done for the next six months, approved by the Procurement Committee and Finance Committee are given in the table below.

| Maintenance of equipment | | | | | |
|---|---|---|---|---|---|
| **EC Department** | | | | | |
| Sl No. | **Name of Equipment** | **No. of items** | **TEQIP/Non-TEQIP** | **Repair/ Maintenance** | **Estimate in Rs** |
| 1 | PCB Drilling machine | 2 | TEQIP | Repair | 10,000 |
| 2 | Laptop maintenance | 3 | TEQIP | Repair | 15,000 |
| 3 | Laser printers – Canon make | 1 | TEQIP | Repair | 1,500 |
| 4 | PLC trainer | 1 | TEQIP | Repair | 8,000 |
| 5 | Projectors | 1 | TEQIP | Repair | 10,000 |
| 6 | Desktop computers-Dell make | 1 | TEQIP | Repair | 5,000 |
| 7 | UPS maintenance | 1 | TEQIP | Repair | 7,000 |
| | | | | **Total** | **56,500** |
| **CS Department** | | | | | |
| 1 | Air Conditioner | 1 | TEQIP | Not Working | 22,000 |
| 2 | Desktop computer | 10 | TEQIP | Not Working | 35,000 |
| 3 | LCD Projector | 3 | TEQIP | Not Working | 18,000 |
| 4 | Lap top | 7 | TEQIP | Not Working | 30,000 |
| 5 | LED Monitor | 5 | TEQIP | Not Working | 10,000 |
| 6 | Network switches | 2 | TEQIP | Not Working | 20,000 |
| | | | | **Total** | **1,35,000** |
| **ME Department** | | | | | |
| 1 | UPS maintenance | 1 | TEQIP | Repair | 10,000 |
| | | | | **Total** | **10,000** |
| **EE Department** | | | | | |
| 1 | Digital IC Kit(10 Nos) | 10 | TEQIP | Repair | 5,000 |
| 2 | Over current relay(1 No) | 1 | TEQIP | Repair | 5,000 |
| 3 | Maintenance of PE Lab Kit | 1 | TEQIP | Repair | 5,000 |
| 4 | Maintenance of AEE Lab Kit | 1 | TEQIP | Repair | 10,000 |
| | Maintenance and service of Desktop Computers(15 Nos) | 15 | TEQIP | Repair | 18,000 |
| | | | | **Total** | **43,000** |
| **Institution** | | | | | |
| 1 | UPS maintenance | 1 | TEQIP | Repair | 10,000 |
| 2 | LED Monitor | 4 | TEQIP | Repair | 10,000 |
| 3 | Photo copier | 1 | TEQIP | Repair | 8,000 |
| 4 | ID Card Printer | 1 | TEQIP | Repair | 5,000 |
| | | | | **Total** | **20,000** |
| | | | | **Grand Total** | **2,21,500** |

**Action sought**: The BoG may note and approve the proposals by various departments for repair/maintenance of equipment to be done

## 2.10 Approval of Equipment Replacement

The proposals by various departments for replacing equipment, approved by the Procurement Committee and Finance Committee are given in the table below.

| Sl No. | Name of Equipment | No. of items | TEQIP/Non-TEQIP | Repair/Replace | Estimate in Rs |
|---|---|---|---|---|---|
| **Replacement of Equipment** | | | | | |
| **EC Department** | | | | | |
| 1 | Battery, Tubular, 12V, 100 Ah | 30 | TEQIP | Crossed 5 years of usage and are to be replaced | 2,70,000 |
| 2 | Flat Panel Monitor (Dell make) | 6 | TEQIP | Not Working, need replacement | 72,000 |
| | | | | **Total** | **3,42,000** |
| **CS Department** | | | | | |
| 1 | UPS Battery, Tubular, 12V, 100 Ah | 30 | TEQIP | Crossed 5 years of usage and are to be replaced | 2,70,000 |
| | | | | **Total** | **2,70,300** |
| **ME Department** | | | | | |
| 1 | UPS Battery, Tubular, 12V, 100 Ah | 10 | TEQIP | Crossed 5 years of usage and are to be replaced | 90,000 |
| | | | | **Total** | **90,000** |
| **Institution** | | | | | |
| 1 | UPS Battery, Tubular, 12V, 100 Ah | 10 | TEQIP | Crossed 5 years of usage and are to be replaced | 90,000 |
| 2 | Mother board | 1 | TEQIP | Not working | 10,000 |
| | | | | **Total** | **1,00,000** |
| | | | | **Grand Total** | **8,02,300** |

**Action sought**: The BoG may note and approve the proposals by various departments for replacing equipment.

## 2.11 Extension of Appointment of Contract Staff

In the last BOG meeting held on 19.9.2019 it was decided to extend the appointment of the TEQIP staff for a further period of 179 days with effect from 28.5.2019 and engage after a break depending on necessity. After discussions, the BOG decided to enhance the daily remuneration of the TEQIP staff to Rs.740 per day as per the **GO(P)**No.**81/2019**/Fin dated 09/07/2019 , limiting to Rs.9000/- per month. She completed 179 days on 22.11.2019. In order to continue the TEQIP activities the service of a staff is required. The staff who is

presently working is very familiar with the activities of TEQIP. Considering these, the service of the present staff may be extended further with effect from 23.11.2019.

**Action sought**: The BoG is kindly requested to take suitable decisions on the extension of appointment of TEQIP staff with effect from 23.11.2019.

# Part 3

# Status Reports

## 3.1 Status of academic results post the last BoG

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

| Branch | Semester | No of students appeared | No. of students passed | Pass Percentage |
|--------|----------|-------------------------|------------------------|-----------------|
| EC | S8 | 32 | 12 | 37.5 |
| CS | S8 | 38 | 21 | 55.26 |
| EE | S8 | 36 | 15 | 41.7 |
| **Overall** | S8 | 106 | 48 | 44.86 |

**Action Sought:** The BOG may kindly note the results of 2019-20 passed out students.

## 3.2 Status of placements post the last BoG

**Placement details of 2020 passed out students**

| Dept | Total number of final year students | Number of students placed | % placement |
|------|-------------------------------------|---------------------------|-------------|
| CS | 38 | 29 | 76.31 |
| EC | 32 | 8 | 25 |
| EE | 36 | 12 | 33.33 |
| **Overall** | 106 | 59 | 55.67 |

**Action Sought:** The BOG may kindly note the placement statistics

## 3.3 Inspection report by SPFU

Two officials of SPFU Kerala inspected the institution on 29.8.2019 to audit the utilization of the four funds for the period from 1.8.2017 to 30.6.2019. The inspection report is attached as **Annexure 3**.

**Action Sought:** The BOG may kindly note the inspection report.

## 3.4 Report on other recent achievements of the Institution

1. 2020 IEEE PES high performing student branch chapter program (First in Region 10).

2. IEEE MGA DARREL CHONG Student Activity Award 2020 Under the Bronze category for the event 'LIGHTING FOR HUMANITY''.

3. IEEE MGA Outstanding Branch counsellor and Branch Advisor Award 2020 for Prof. Haseena PY Counsellor IEEE SB CEK.

4. IA/IE/PELS Jt. Chapter Kerala ,Outstanding Student Volunteer 2019 for Mr. Akshay Krishnan Former Chair IEEE SB CEK.

5. IEEE PES Outstanding Engineer Award (<15 YEARS) by the IEEE POWER AND ENERGY SOCIETY Head quarters for Mr. Anandhu S Kumar Mentor IEEE SB CEK

6. IEEE IAS CMD Outstanding chapterAdvisor Category(Global) for Prof. Sabeena K Advisor IEEE SB CEK.

7. IEEE MGA DARREL CHONG Student Activity Award 2019 (Gold Category) For LUXATHON 1.0

8. IEEE MGA Regional Exemplary Student Branch Award 2019 and 2020.

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