

**TECHNICAL EDUCATION QUALITY IMPROVEMENT
PROGRAMME Phase II Sub Component 1.1**



**11th MEETING OF
THE BOARD OF GOVERNORS**

DETAILED AGENDA NOTES

Date: 06-03-2017

Time: 10.00 am

Venue: College of Engineering Karunagappally

COLLEGE OF ENGINEERING KARUNAGAPPALLY

THODIYOOR P.O., KOLLAM-690523, KERALA

Phone: +91 476 2665935

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. The 11th meeting of the BoG is being convened on 6th of March, 2017.

The agenda items are given below.

Agenda Items

Silent Prayer

Part 1-Procedural

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Part 1

Procedural Items

1.1 Confirmation of the Minutes of the 10th Meeting of the Board of Governors held on 04-02-2017 at CE Karunagappally

The Minutes of the 10th Meeting of Board of Governors of TEQIP Phase II of CE Karunagappally held on 04-02-17 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 10th Meeting of the Board of Governors held on 04-02-2017 at CE Karunagappally

The decisions taken by the BOG as recorded in the Minutes of the 10th Meeting of the Board of Governors of the TEQIP Phase II held on 04-02-2017 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 10th BOG | Decision Taken | Action Taken |
|--|--|---|
| 1.1 | The BoG confirmed the approved minutes of the 9 th Meeting | For Information |
| 1.2 | Took note of the action taken report and approved | For Information |
| 2.1 | BoG ratified the payment of Rs.1,23,000/- towards the payment of one completed procurement package and approved the price revisions and took note of the procurement in progress | No action needed Five more packages have been completed |
| 2.2 | The BOG took note and ratified the expenditure in conducting the Faculty Development Programmes | No action needed |
| 2.3 | The BOG took note and ratified the expenditure in conducting the Staff Development Programme for Rs.67,639 | No action needed |
| 2.4 | The BOG took note and ratified the expenditure incurred for attending various Faculty Development and Staff Development Programmes | No action needed |
| 2.5 | The BOG took note and ratified the payment of reimbursement of tuition fee for M.Tech programme | For Information |
| 2.6 | The BoG approved for reimbursement of IEEE fee, Rs.16080 to 5 faculty members . | The payment has been done |
| 2.7 | The BOG approved the proposals for the outstation programmes for the next two months | Faculty attended training programmes at various institutes like IITs and NITs |
| 2.8 | The BoG noted and ratified the expenditure for IIIC activities conducted in the Institution. Also approved the IIIC plan for the next two months. | No action needed Conducted 10 IIIC programmes |

| | | |
|------|--|---|
| 2.9 | The BOG took note and ratified the payment towards the remuneration paid to the resource persons for the remedial and other programmes under EAP | No action needed |
| 2.10 | The BOG approved the action plan for remedial classes and the soft skill training programme planned for the next two months. | Conducted soft skill training programmes for all UG and PG classes (for 14 Classes) |
| 2.11 | The BOG may took note and ratified the payment under IOC head | No action needed |
| 2.12 | The BOG pointed out to relook into the proposed Vision and Mission statements | The Vision and Mission statements are revised |
| 2.13 | The BoG decided to address the issue of purchasing display boards to the SPFU Director and proceed to procure the same under IOC | The purchase has been started |
| 2.14 | The BoG ratified the revised remuneration and the arrears paid to the MIS Officer | No action needed |
| 3.1 | The BOG took note of the expenditure under various heads | No action needed |
| 3.2 | The BoG took note of the results of BTech and MTech students | No action needed |
| 3.3 | The BOG took note of the report on accreditation. | No action needed |
| 3.4 | The BOG took note of the internal audit report | No action needed |
| 4.1 | BoG took note of the status of four funds | No action needed |
| 4.2 | BoG approved the action plan of outstation training programme of CS Department | 13 Faculty attended outstation training programmes |
| 4.3 | The BoG approved the plan to attend the SDP at ESCI | 8 staff members registered for the programme |
| 4.4 | The BoG approved the IIC action plan of CS Dept | 3 IIC programmes were conducted |
| 4.5 | The BoG took note of the action plan for the remaining two months and approved it. The BoG also ratified and approved the allocations made in different heads of expenditure | The action Plan has been followed |

Part 2

Discussion, Ratification and Approval

2.1 Expenditure incurred for procurement of goods/civil works and price revisions of various completed packages

The packages completed post the tenth BOG meeting are detailed below

Table 2.1. Details of Completed Packages Post the 10th BOG meeting

| Sl. No | Package No. | Package Name | Mode of purchase | Firm | Estimated Amount (Rs) | Actual Amount (Rs) | % Variation |
|--------------|-------------------------|--|------------------|---|-----------------------|--------------------|-------------|
| 1 | TEQIP-II/KL/KL1G 18/216 | Digital Multimeter | Direct Contract | Netwatch Systems, Pala Kottayam | 50,000 | 49922 | 0.16 |
| 2 | TEQIP-II/KL/KL1G 18/217 | Ultraviolet exposing unit for PCB | Direct Contract | Netcom Infosys Ernakulam | 25,000 | 24000 | 4 |
| 3 | TEQIP-II/KL/KL1G 18/218 | Digital clamp power meter with storage | Direct Contract | Netwatch Systems Pala Kottayam | 25,000 | 31201 | -24.8 |
| 4 | TEQIP-II/KL/KL1G 18/220 | Dumpy level | Direct Contract | Facet Technologies Thiruvananthapuram | 25,000 | 23625 | 5.5 |
| 5 | TEQIP-II/KL/KL1G 18/180 | Electrical works in Library, office & EEE computer Lab | Shopping | Monys Electricals Contractors, Karunagappally | 79,000 | 90455 | -14.5 |
| Total | | | | | | 219203 | |

Action sought: The BoG may kindly ratify the completed procurement and approve the price revisions.

2.2 Procurement in progress

The details of packages in progress are given below

Table 2.2 Packages in progress

| Sl. No | Package No. | Package Name | Mode of purchase | Estimated Amount (Rs) | Status |
|--------|------------------------|-----------------------|------------------|-----------------------|-----------|
| 1 | TEQIP-II/KL/KL1G18/219 | Distilled Water Plant | Shopping | 60000 | Initiated |

Action Sought: The BOG may take note of this.

2.3 Faculty and Staff Development Programme/Workshop/Seminar attended outstation by faculty

2.3.1 Details of faculty attended out station training and the expenditure involved are described below

| Training Attended - Faculty | | | | | | |
|-----------------------------|--------------------|--|----------------------------|--|----------------|-------------|
| Sl. No | Name Of Faculty | Title | Date | Institution/ Organization Name | Advance Amount | Expenditure |
| 1 | C V Anilkumar | FDP on Semiconductor Devices from Micro to Nano | 30 Jan-3Feb 2017 | Model Engineering college, Thrikkakara | 35000 each | 38050 |
| | Leena B R | | | | | 36970 |
| | Shamna S S | | | | | 36970 |
| | Niyas S K | | | | | 36900 |
| | Seena Mathew | | | | | 36970 |
| | Radhika R Chandran | | | | | 36970 |
| 2 | Binu V P | Introduction to Cryptography | 27 Jan 2017 | IIT Kharaghpur | - | 22469 |
| | Shani Raj | | 31 Jan 2017 | | | 21681 |
| 3 | Dr. Smitha P | Fundamantal Algorithms : Design and Analysis | 09 Feb 2017 | IIT Kharaghpur | 15000 each | 20957 |
| | Dr. Shajy L | | 13 Feb 2017 | | | 15243 |
| 4 | Haseena P Y | Road map to Research in Electrical and electronics and computing | 13 Feb 2017 17 Feb 2017 | CE Poonjar | 35000 each | 37472 |
| | Manu Madhavan | | | | | 37061 |
| | Shamna S S | | | | | 37061 |
| | Leena B R | | | | | 37061 |
| | Geetha S | | | | | 37472 |
| 5 | Aagi S | An insight into DSP | 06 Feb 2017 10 Feb 2017 | CE Kottarakkara | 35000 each | 35000 |
| | Deepa T R | | | | | 35000 |
| | Dr. Hari V S | | | | | 35000 |
| | Raju M | | | | | 35736 |
| | Reji Thankachan | | | | | 35000 |
| | Shani Raj | | | | | 35000 |
| | Shiny C | | | | | 35000 |
| | Dr. C Gopakumar | | | | | 35000 |

| | | | | | | |
|--------------|---------------------|--|----------------|----------------|------------|------------------|
| 6 | Arya Chandran S | Internet of Things | 20-24 Feb 2017 | MFS Kochi | 35000 each | 36825 |
| | Binu V P | | | | | 37640 |
| | Deepthi P K | | | | | 36825 |
| | Hariharan R L | | | | | 36825 |
| | Niyas S K | | | | | 36825 |
| | Subeena H | | | | | 36825 |
| | Swetha Saira Appose | | | | | 36825 |
| Shani Raj | 37240 | | | | | |
| 7 | Raju M | Power Quality challenges with RE integration in smart Grid | 23-24 Feb 2017 | CPRI Bangalore | 10000 | 16020 |
| Total | | | | | | 10,81,893 |

Action sought: BOG may kindly take note and ratify the expenditure incurred for attending various Faculty Development Programmes attended by the faculty post the last BoG meeting.

2.3.2 Staff Development Programmes attended outstation by Staff

Details of staff attended out station training and expenditure involved are described below

| <u>Seminar/ Workshop/ Conference/ Training - Attended - Staff</u> | | | | | | |
|--|---|---|---------------------------|--------------------------------------|-----------------------|--------------------------------------|
| Sl. No | Name Of Faculty | Title | Date | Institution/ OrganizationName | Advance Amount | Expenditure (Rs) |
| 1 | Abinlal D | Hands on experience in Laptop chip level | 20 Feb 2017 – 22 Feb 2017 | CE Cherthala | | 3969 |
| | Nithin K V | | | | | 3969 |
| Total | | | | | | 7938 |
| 1 | Vidya J Dr. Anitha D S Sandhya Murali P Sheebamol K K Manoj K Mathew Suresh kumar G Leena S Anil Kumar V | Performance improvement for Institutional development | 7 -10 March 2017 | ESCI, Hyderabad | 24000 each | Not Settled. (course under progress) |

Action Sought: It is requested that the amounts spent for various Staff Development programmes attended by the staff members of the institution after the last BOG meeting may kindly be ratified by the BOG.

2.4 Approval of Reimbursement of fee for PhD/MTech and Journal Publication.

Mr.Raju M, Assistant Professor in EEE submitted a request for the reimbursement of fee for his fourth year part time PhD programme for the year Jan-Dec 2017 he is undergoing at Karpagam University for an amount of Rs. 29,000/-.

Action sought: BOG may kindly grant necessary approval.

2.5 Reimbursement of expenditure in attending National Conference

Dr. Gopakumar C, Assistant Professor in EC has submitted a request for reimbursing the expenditure incurred, Rs 7500, for presenting the paper “A Novel J Slot Antenna for UWB Wi Media”, in the National Conference, ICACC 2016 held during 6-8 Sept 2016 at Rajagiri School of Engg. and Technology, Kochi, (Published in Science Direct),

Action Sought: The BoG may kindly grant the approval for reimbursement of the expenditure.

2.6 Approval of the action plan for inhouse/outstation programmes for faculty and staff for the month of March

The action plan of inhouse/outstation training programmes planned for the current month is shown in the following table. The list is prepared based on the courses declared by various Institutions.

| Sl No | Name of Course | Inhouse/ Outstation Programme | Number of Faculty/ Staff | Name of Institution | Date | Expected Expenditure (Rs) |
|--------------|---|--------------------------------------|---------------------------------|----------------------------|--------------|----------------------------------|
| 1 | Quality enhancement initiatives in engineering educational institutions | Outstation | 13 | CE Chengannur | 27Feb-3March | 4,84,000 |

| | | | | | | |
|--------------|---|------------|---|--------------------|----------------|------------------|
| 2 | Theory of Computation and Complexity Theory | Outstation | 4 | Model Engg College | 6-10 March | 1,48,000 |
| 3 | Performance Improvement for Institutional Development | Outstation | 8 | ESCI | 7-10 March | 1,97,600 |
| 4 | Low power devices | Outstation | 6 | MFS Kchi | 13-17 March | 2,19,000 |
| | Computer Servicing and Maintenance | Inhouse | - | In house SDP | 20-23 March | 60,000 |
| 5 | Time Management and Interpersonal Relationship | Inhouse | - | In house SDP | 25,27,28 March | 50,000 |
| 6 | Technology, Innovation & Entrepreneurship | Outstation | 8 | Model Engg College | 20-24 March | 2,92,000 |
| Total | | | | | | 14,50,600 |

Action sought: It is requested that the proposals for the inhouse/outstation programmes for the current month may kindly be approved by the BOG.

2.7 Approval for Colloquium on Research in Computing Innovations

The Department of Computer Science and Engineering is planning to conduct a Colloquium on Research in Computing Innovations during 24-25 March 2017. The objective of this colloquium is to provide a platform for interaction and knowledge exchange between eminent researchers, faculty, research scholars, post graduate students and engineers working in various areas of Computer Science and Engineering. This programme will give an opportunity to the young researchers to present their research, discuss and share it among the distinguished experts and fellow participants. The programme also aims to give an exposure to the trends, issues and challenges in the different areas of Computer Science and Engineering and to orient young researchers to take up effective research in these areas. Eminent Faculty and Researchers from various National reputed institutes such as IIT Khargpur, IIT Dehi, IIT Guwahati, IIT Mumbai, IIT Bhuvanewar, MNIT Jaipur etc will deliver the research topics and participate in the interactions. It is expected that 100

participants will participate in the Colloquium. The approximate expenditure expected is Rs. 4,00,000.

Action Sought: The BoG may kindly grant necessary approval for the Colloquium.

2.8 Ratification of IIC Activities conducted/settled post the last BoG meeting

The IIC activities conducted by different departments are as given in the following Table.

| Table IIC activities conducted by different departments | | | | | | | | |
|---|----------|--|------------------|---|---------------|-------------|-----------------------------|------------------|
| Sl No | Branch | Name of Program | Type of Program | Industry Name/ Institution Name | Date | No. of Days | No. of Student Participants | Expenditure (Rs) |
| 1 | CSE | Web development using JSP | Expert Tutoring | TECH- Support, Chennai AFL IT, Chennai Accel Frontline, Calicut | 8-9 Feb 2017 | 2 | 48 | 27275 |
| 2 | ECE | Advanced Technology solution Tips provided to customers in IT industries | Expert Talk | TCS, Ernakulam | 5 Feb 2017 | 1 | 46 | 5750 |
| 3 | ECE | Internet of Things | Workshop | Early Bird Security System and Automation Ltd. , TVM | 7 Feb 2017 | 1 | 42 | 13336 |
| 4 | ECE, EEE | Micro controller | Workshop | Neo Green Labs, Cochin | 4 Feb 2017 | 1 | 30 | 12620 |
| 5 | S8 ECE | Industrial Visit to Lower Periyar power house, Karimanal | Industrial Visit | Lower Periyar power house, Karimanal | 18 Feb 2017 | 1 | 43(Stud) 2 (Staff) | 30185 |
| 6 | S6 ECE | Industrial Visit to FCRI | Industrial Visit | Kanjicode, Palakkad | 12 March 2016 | 1 | 42(Stud) 2 (Staff) | 37502 |
| 7 | ECE | SFO, Kochi | Industrial Visit | SFO, Kochi | 25 Feb 2017 | 1 | 11 (Faculty) | 20516 |

| | | | | | | | | |
|---|------------------|--|---------------------------------|---|-----------------------------|---|--------------------------------------|---|
| 8 | S8 CSE, IT | Industrial Visit to Cyber Park, Kozhicode | Industrial Visit | Cyber Park, Kozhicode | 17 Feb 2017 | 1 | 38(Stud) 2 (Staff) | 37705 |
| 9 | S6 ECE | ITI limited , Palakkad | Industrial Visit | ITI limited , Palakkad | 18 Feb 2017 | 1 | 41(Stud) 2 (Staff) | 35394 |
| 10 | ECE | Keltron, AIR Tvm, RTTC, KMML | Internship | RTTC, Tvm KMML, Chavara KELTRON, Calicut AIR, TVM | May - June 2016 | - | Btech S6 ECE (45 (Students) | 31477 |
| Total | | | | | | | | 251760 |
| IIC activities conducted but not settled | | | | | | | | |
| | CSE | Internet Programming - Php | Expert Talk | Tender wood Solution, Bangalore, Wedo Wood soln, Cochin | 1,2,3 Mar ch 2017 | 3 | 46 | Advan ce 30,000 |
| | EEE | Project oriented training | Project oriented training | Ofzet, Ernakulam | 20,2 2,27 Feb 2017 | 3 | 48 | Not settled |
| | EEE | PLC and Scada | Workshop | Pantech Chennai | Feb 2017 | 2 | 45 | Advan ce 15,000 |
| | EEE | Simulation software in industry perspective | Training | Technocity, Ernakulam | 6, 8 Feb 2017 | 2 | 48 | Advan ce 25,000 (Not settled) |

Action sought: The BoG may kindly take note and ratify the expenditure of Rs.251760 and the other four programmes conducted under IIC

2.9. Approval of action plan of IIC activities for March

The modified proposal of IIC activities planned for the next two months by the Electrical department is given in the following Table.

Table : IIC for the month of March 2017- CS Dept

| Sl No | Name of Lecture | Expert/Industry involved | No of days | Proposed days | Target UG/ PG | No of students | Expected Expense |
|--------------|--------------------------------|---|------------|---------------|---------------|----------------|------------------|
| 1 | Web Designing | Seaview Support System Pvt. Ltd. Technopark | 3 | Feb-17 | UG | 50 | 30,000 |
| 2 | Image processing Using PYTHON | Softtex digital private limited Technopark | 2 | Mar-17 | UG | 50 | 20,000 |
| 3 | Big Data Analytics with Hadoop | Technopark | 1 | Mar-17 | UG | 50 | 10,000 |
| Total | | | | | | | 60,000 |

IIC Programs planned by Electrical & Electronics department during February – March 2017 (Committed)

| No | Activity | Name of Expert/Field | Institution | Month /Year | Expenditure (Rs) |
|----|-------------------------------------|----------------------------------|-------------------------|-------------|------------------|
| 1 | STTP in collaboration with Industry | Transformer Testing & Protection | TELK | Mar 2017 | 20000 |
| 2 | Expert lecture | Renewable Energy | ANERT | Mar 2017 | 6500 |
| 3 | Expert lecture | Energy Auditing | Energy Management Cell | Mar 2017 | 6500 |
| 4 | Expert lecture | Switch Gear & Protection | KSEB | Mar 2017 | 6500 |
| 5 | 2 days Workshop | Design Estimation & Costing | Electrical Inspectorate | Mar 2017 | 20000 |
| 6 | Internship | | Different Industries | June 2016 | 25000 |

| | | | | | |
|--------------|------------------|--|--------------------------------------|--------|---------------|
| 7 | Industrial Visit | IV to Lower Periyar power house, Karimanal | Lower Periyar power house, Karimanal | Feb 17 | 30000 |
| Total | | | | | 114500 |

EC Dept: Industry Institute Interaction Activities planned

| Sl. No | Name of Programme | Program Type | Class | Industry Name / Instn Name | Date (mm-yy) | No of Days | Expenditure(Approx)Rs |
|-------------------|---|------------------|-------|--------------------------------------|--------------|------------|-----------------------|
| 1 | workshop on "PCB Making" | workshop | S4EC | SFO Technology, Kochi | Mar-17 | 1 | 10,000 |
| 2 | Workshop on "Laptop and Mobile servicing" | workshop | S6EC | PC Engineers Kottayam | Mar-17 | 1 | 10,000 |
| 3 | Expert Talk on "Cellular Communication" | Expert Lecture | S2EC | BSNL | Mar-17 | 1 | 5,000 |
| 4 | Expert Talk on "Entrepreneurship Development" | Expert Lecture | S8EC | Mr.Adarsh V K, Union Bank of India | Mar-17 | 1 | 5,000 |
| 5 | Lower Periyar power house, Karimanal | Industrial Visit | S2EC | Lower Periyar power house, Karimanal | 4 March 17 | 1 | 30000 |
| Total (Rs) | | | | | | | 60,000 |

Action sought: The BOG may kindly approve the action plan under IIIC cell for the current month.

2.10 Ratification of programmes conducted under students support

Soft Skill Training Programme conducted

Soft Skill Training programmes were conducted for all the batches of students. The details of the programmes conducted and the expenditure details are given below.

| Programmes conducted and settled | | | | | |
|---|---------------------------------|-------------------------------------|--------------------|------------------------------|-------------------------|
| Sl. No. | Year & Branch | Programme | No. of Days | Date | Expenditure (Rs) |
| 1 | S4 BTech EEE, ECE and CS/ IT | Soft skill training | 4 | 15/2/2017 to 18/2/2017 | 123719 |
| 2 | S2 BTech EEE, ECE and CS/ IT | Orientation Programme for placement | 4 | 15/2/2017 to 18/2/2017 | 100380 |
| Total | | | | | 224099 |
| Programmes conducted and to be settled | | | | | |
| 1 | S6 BTech CS and IT | Getting ready for placement | 5 | 3,4,5,10,11 Feb 2017 | Advance 40,000 |
| 2 | S6 BTech EEE | Getting ready for placement | 5 | 3,4,5,10,11 Feb 17 | Advance 45,000 |
| 3 | S6 BTech ECE | Getting ready for placement | 5 | 3,4,5,10,11 Feb 17 | Advance 45,000 |
| 4 | Final year BTech EEE, EC, CS | Aptitude test Training | 4 | 20, 21, 25, 26 Feb 2017 | Expected- Rs 110000 |
| 5 | MTech First Year CS and EC | Aptitude test Training | 4 | 20, 21, 25, 26 Feb 2017 | Expected- Rs 25000 |
| 6 | MTech Second Year CS and EC | Aptitude test Training | 4 | 20, 21, 25, 26 Feb 2017 | Expected- Rs 25000 |
| Total to be settled | | | | | 290000 |

2.11 Action Plan for the Programmes Under students support for the month of March

The action plan for soft skill training and remedial classes are given in the following sub-sections.

2.11.1 Soft Skill Training Programmes for the current month

The softskill training programmes planned for the current month is as given below:

| Sl No | Title of the programme | Target group | No of Days | Proposed dates | Estimated Expenditure (Rs) |
|--------------|------------------------|---------------------------------|------------|----------------|----------------------------|
| 1 | Aptitude training | BTech Third Year CS/IT, EE, EC | 3 | March 2017 | 90000 |
| 2 | Aptitude training | BTech Final Year CS/IT, EE, EC | 3 | March 2017 | 90000 |
| 3 | Aptitude training | BTech Second Year CS,EC & EE | 2 | March 2017 | 75000 |
| 4 | Aptitude training | B-tech First Year CS,EC & EE | 2 | March 2017 | 75000 |
| 5 | Soft skill Training | MTech First & Second Year CS,EC | 3 | March 2017 | 70000 |
| Total | | | | | 400000 |

2.11.2 Remedial Classes Planned for the current month

| REMEDIAL CLASSES PLANNED -MARCH 2017 CS DEPT | | | |
|---|--|--------------|-----------------------------------|
| Semester | Subject | Hours | Expected expenditure in Rs |
| IVCS | Mathematics | 4 | 2400 |
| IVCS | Operating System | 4 | 2400 |
| IVCS | Object oriented Design and Programming | 4 | 2400 |
| IVCS | Computer Organisation and Architecture | 4 | 2400 |
| IICS | C programming | 4 | 2400 |
| IICS | Enginnering Graphics | 4 | 2400 |
| IICS | Basics Electronics | 4 | 2400 |
| IICS | Differential Equations | 4 | 2400 |

| | | | |
|--|--|------------|---------------|
| | TOTAL | 32 | 19,200 |
| Remedial Classes Planned for EEE Department | | | |
| Semester | Subject | Hrs | Amount |
| IVEE | Probability Distribution ,Transforms & Numerical Methods | 4 | 2400 |
| IVEE | Synchronous & Induction Machines | 4 | 2400 |
| IVEE | Digital Electronics & Logic Design | 4 | 2400 |
| IVEE | Material Science | 3 | 1800 |
| IVEE | Measurements & Instrumentation | 3 | 1800 |
| II EE | Differential Equations | 4 | 2400 |
| II EE | Engineering Mechanics | 4 | 2400 |
| II EE | Basics of Electronics Engg | 4 | 2400 |
| II EE | Engg Physics | 4 | 2400 |
| | TOTAL | 34 | 20,400 |
| Remedial Classes Planned for EC Department | | | |
| Semester | Subject | Hrs | Amount |
| II EC | Differential Equations | 4 | 2400 |
| II EC | Engineering Graphics | 4 | 2400 |
| II EC | Basics of Mechanical Engineering | 4 | 2400 |
| II EC | Basics of Electrical Engineering | 4 | 2400 |
| IVEC | Probability and Random Process | 4 | 2400 |
| IVEC | Signals & Systems | 4 | 2400 |
| IVEC | Analog Integrated Circuits | 4 | 2400 |
| IVEC | Analog Communication | 4 | 2400 |
| IVEC | Computer Organization | 4 | 2400 |
| | TOTAL | 36 | 21,600 |

Action sought: The BOG may kindly approve the action plan for remedial classes and the soft skill training programme planned for the current month.

2.12 Approval for Conducting Campus Placement under TEQIP

Radview Technologies wish to conduct a campus placement drive at CE Karunagappally in the month of March. They are looking for suitable candidates in the posts of Associate Software and Embedded Engineers in their Thiruvananthapuram, Kochi, Kozhikode and

Bangalore offices. As per PIP of TEQIP, expenditure towards inviting industry for campus interviews and hospitality during campus interviews can be met from TEQIP. It is expected that an amount of Rs20000 will be required to meet the expenses.

Action sought: The BOG may kindly grant the permission for the placement drive and approve the expenditure

2.13 Approval for Vision and Mission of the Institution and different departments.

The draft of revised Institutional and Departmental (EC, CS and EEE) vision and mission statements were presented before the last BOG meeting. Based on the discussions and suggestions from various stake holders the statements are further revised. The latest version of the statements are given here for the approval of the BoG.

Institution

Vision

Aspire to be an institution of professional excellence to fulfill the technological needs of the society.

Mission

- Provide education through resourceful programmes that are stimulus to the current and emerging needs of the society.
- Promote innovative teaching and learning to achieve academic excellence in engineering and technology.
- Create an environment conducive for innovative research in cutting edge technologies.
- Equip the students with professionalism, ethical values and social obligations.

Department of Computer Science

Vision

Be a centre of professional excellence for nurturing technically competent and socially committed Computer Engineers.

Mission

- Enlighten the individuals with the advancements in computing through innovative teaching learning methodologies.

- Motivate the students for creative interaction with industry and for the active involvement in co-curricular and extracurricular activities.
- Impart research culture among faculty and students for the advancement of state-of-the-art technologies in computer science and related disciplines.
- Inculcate ethics and social values in individuals to transform them into responsible citizen

Department of Electronics and Communication

Vision

Transforming individuals into professionally excellent and socially responsible Electronics Engineers through value based education.

Mission

- Offer quality undergraduate, graduate & research oriented programmes in Electronics and Communication Engineering.
- Provide modern facilities in a productive environment to students and faculty for continuous improvement.
- Encourage faculty and students to carry out innovative research.
- Motivate the students for active participation in industry, co-curricular and extracurricular activities.
- Inculcate ethics and social values in students to transform them into responsible citizen

Department Vision and Mission(EEE)

Vision

Transform individuals to professionally excellent and socially committed Electrical Engineers.

Mission

- Facilitate quality engineering education to equip young individuals to meet the latest challenges in industry.
- Provide technological assistance and services to meet the growing needs of society.
- Develop and Propagate best energy management practices .
- Provide modern facilities in a conducive environment to students and faculty for continuous improvement.

- Motivate the students for active participation in co-curricular and extracurricular activities.

Action Sought: The BOG may discuss the vision and Mission statements and give the final approval.

2.14 Expenditure incurred under IOC-Ratification

The expenditure incurred under IOC post the tenth BOG meeting is Rs. **4,99,355/-**. This amount is due to Salaries of TEQIP staff, Consumables purchased for TEQIP cell and other departments, and Operation and Maintenance charges. The details are given in the table below.

Table: Expenditure incurred under IOC

| Sl. No | Item | Amount (Rs) |
|--------|---|---------------|
| 1 | Salary and for TEQIP Staff | 65485 |
| 2 | Consumables | |
| | (a) Stationery - Box File | 49993 |
| | (b) Display Board for Accreditation- CS | 49778 |
| | (c) Display Board for Accreditation - EC | 49778 |
| | (d) Stationery – TEQIP office | 07441 |
| | (e) Consumables EE Workshop | 24587 |
| 3 | Operation and Maintenance | |
| | (a) BOG 10 | 45953 |
| | (b) AMC – Laptop i5 | 75000 |
| | (c) AMC – Laptop i7 | 60000 |
| | (d) AMC – Photostat Machine (Canon) - Library | 35100 |
| | (e) TA for pre-closure meeting | 20160 |
| | Total | 499355 |

Action sought: BOG may kindly take note and ratify the expenditure.

Part 3

Reports

3.1 Summary of Expenditure as on 28 February 2017

The summary of expenditure as on 28.02.2017 is as below.

Total Fund Received: Rs.1000 Lakhs,

Interest accrued: Rs 15.24 Lakhs

| Sr.No | Expenditure Name | Expenditure Upto 31 st Jan 2017 (Rs in Lakhs) | Expenditure From 1 Feb 2017 – 28 th Feb 2017 (Rs in Lakhs) | Cumulative Expenditure upto 28 th Feb 2017 (Rs in Lakhs) |
|--------------|---|--|---|---|
| 1 | Procurement | 555.60 | 2.19 | 557.79 |
| 2 | Providing Assistantships for Increased enrolment in existing and new PG Programmes in Engineering Disciplines | 131.66 | 4.08 | 135.74 |
| 3 | Enhancement of Research and Development and Institutional Consultancy Activities | 20.86 | 0.00 | 20.86 |
| 4 | Faculty and staff development for improved competence based on Training Needs Analysis(TNA) | 146.29 | 10.90 | 157.19 |
| 5 | Enhanced Interaction with Industry | 9.17 | 2.51 | 11.68 |
| 6 | Institutional Management Capacity enhancement | 6.65 | 0 | 6.65 |
| 7 | Implementation of Institutional reforms | 8.99 | 0 | 8.99 |
| 8 | Academic support for weak students | 13.35 | 2.24 | 15.59 |
| 9 | Incremental Operating Cost | 51.39 | 4.99 | 56.38 |
| Total | | 943.96 | 26.91 | 970.87 |

Action Sought: BOG may kindly take note of the expenditure under various heads.

3.2 Report on Staff Student Satisfaction Survey

NPIU and MHRD had conducted the first round of Web based Student, Faculty and Staff satisfaction survey of the implementation of TEQIP II activities in the Institutions in Aug-Sep 2016. The compiled reports of the satisfaction survey were shared with the Institutions. This report contains the Student, Faculty and Staff's satisfaction level of the institute and that is compared with State and National satisfaction indices. The detailed report sent by NPIU is attached as **Annexure 2**.

Part 4

Any Other item with the permission of the chair

Annexure 1

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME Phase II Sub Component 1.1



10th Meeting of the Board of Governors Minutes

4th February 2017, 10.00 am

Venue: Principal's Chamber College of Engineering Karunagappally

**COLLEGE OF ENGINEERING KARUNAGAPPALLY
THODIYOOR P.O., KOLLAM-690523, KERALA**

Phone: +91 476 2665935

Minutes of Ninth Meeting of Board of Governors

Presided by

Hon'ble Chairman: Prof. V.P.N. Nampoori

Venue: Office of Principal

Date: 4 February 2017

Time: 10.00 AM

Members Present

1. Prof (Dr) V.P.N Nampoori, Chairman
2. Prof. (Dr) V P Devassia, Principal, Model Engineering College
3. Prof.(Dr). Suresh Kumar.P, Director, IHRD
4. Mr. James Joseph, Jt. Sec. Finance, Government of Kerala (State Govt Nominee)
5. Dr. Sam Thomas, CUSAT (University Nominee)
6. Dr. Jaya V L, Principal
7. Dr. AjilKumar.A, HOD, ME, Member
8. Prof. Manoj Ray D, HOD CS, Member

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

1. Mr. Angelose, Joint Sec., H.Edn, Government of Kerala (State Govt Nominee)
2. Dr. S. Jayakumar, Director, SPFU (Special invitee)

Also present

1. Prof. Anilkumar C.V., HOD Electronics and Communication Engineering
2. Prof. Binu V.P, HOD, Computer Science and Engineering
3. Dr. Smitha P, HOD Information Technology
4. Prof. Libi A, HOD Electrical and Electronics Engineering
5. Prof. Reji Thankachan, Academic Coordinator
6. Prof. Sylish S. V, Procurement Coordinator
7. Prof. Baiju V, III Cell Coordinator
8. Prof. Premakumari K.R, EAP Coordinator
9. Dr. Shajy L, Finance Coordinator

Agenda Summary

Part 1-Procedural

| Sl. No | Items |
|--------|--|
| 1.1 | Confirming the Minutes of the 9 th Meeting of the Board of Governors held on 17-11-2016 at College of Engineering Karunagappally |
| 1.2 | Report on the action taken/action pending on the pertinent decisions in the Minutes of the 9 th Meeting of the Board of Governors held on 17-11-2016 at College of Engineering Karunagappally |

Part 2-Ratifications and Approvals

| Sl. No | Items |
|--------|--|
| 2.1 | Expenditure incurred for procurement of goods/ civil works and price revisions of various completed packages |
| 2.2 | Procurement in Progress |
| 2.3 | Approval of the In-house Faculty and Staff Development Programme |
| 2.4 | Faculty and Staff Development Programme/Workshop/Seminar attended outstation by faculty |
| 2.5 | Approval of Reimbursement of fee for PhD/MTech and Journal Publication. |
| 2.6 | Reimbursement of IEEE Membership for the year 2017-18 |
| 2.7 | Approval of the outstation programmes for faculty and staff for the next two months |
| 2.8 | Ratification/Approval of IIC Activities |
| 2.9 | Ratification of programmes under EAP |
| 2.10 | Action Plan for the Programmes Under EAP Cell for the next two months |
| 2.11 | Expenditure incurred under IOC-Ratification |
| 2.12 | Approval for Vision and Mission and of the Institution and different departments |
| 2.13 | Approval for the purchase of display boards |
| 2.14 | Remuneration enhancement MIS officer |

Part 3-Reports

| Sl. No | Items |
|---------------|--|
| 3.1 | Summary of Expenditure as on 31 Jan 2017 |
| 3.2 | Report on Examination Results |
| 3.3 | Report on Accreditation |
| 3.4 | Report on the Internal Audit audit for the half year from April-16 to September 2016 |

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

| Sl. No | Items |
|---------------|---|
| 4.1 | Status of the Four Funds |
| 4.2 | Outstation Training Programmes planned for the next two months for CS |
| 4.3 | Outstation Programme for Administrative Staff |
| 4.4 | IIC Action plan for the next two months by CS Department |
| 4.5 | Action Plan for the remaining period |

The Meeting started at 10.00.AM under the presidency of the Hon'ble Chairman with a silent prayer followed by the welcome address by the Principal.

Principal Dr Jaya V L welcomed all members and special invitees. A brief report was made by the Principal on the various activities related to TEQIP and development in college as the impact of these activities. She also provided a brief report about the agenda of the meeting.

Part 1 Procedural Items

1.1 Confirmation of the Minutes of the 9th Meeting of the Board of Governors held on 17-11-2016 at CE Karunagappally

The Minutes of the 9th Meeting of Board of Governors of TEQIP Phase II of CE Karunagappally held on 17-11-16 was sent to the Chairman for his approval and upon his approval copies were circulated among the other members of the BoG. Based on the discussions, the Board of Governors confirmed the approved minutes of the BOG meeting held on 17.11.2016.

1.2 Report on the action taken/action pending on the pertinent decisions in the Minutes of the 9th Meeting of the Board of Governors held on 17-11-2016 at CE Karunagappally

The following are the pertinent decisions taken and actions taken by CE Karunagappally post the BoG meeting held on 17.11.2016.

Table 1.1

| Item No in Minutes of the 9th BOG | Decision Taken | Action Taken |
|---|---|---------------------------|
| 1.1 | The BoG confirmed the approved minutes of the 8 th Meeting | For Information |
| 1.2 | Took note of the action take report and approved | For Information |
| 2.1 | The BoG took note of the procurement completed after the 8 th BOG meeting and ratified the expenditure of Rs. 65,55,594 for 20 packages made in this regard. | No action needed |
| 2.2 | The BoG ratified the decision to cancel three packages worth Rs.1,62,000 | No action needed |
| 2.3 | The BoG ratified the procurement of the new package High Performance Computing Station for Rs. 8,00,000 | No action needed |
| 2.4 | The BoG approved the inclusion of six new items for Rs. 2.85Lakhs to be purchased for utilizing the interest amount accrued. | No action needed |
| 2.5 | The BoG took note of the in outstation programmes attended by faculty and staff and ratified the expenditure made in this regard. | No action needed |
| 2.6 | The BoG ratified the expenditure of Rs. 13,80,861 incurred in organizing the International Conference ICCSP 2016 . | No action needed |
| 2.7 | The BoG ratified the remuneration paid to the five foreign delegates for keynote addressing. The BoG took note of the outstation faculty and staff programmes attended and the bill settlement in pending | No action needed |
| 2.8 | The BoG approved for the reimbursement of tuition fee for MTech programme by Anisha Mohammad. | The amount is reimbursed. |
| 2.9 | The BoG ratified the payment given to Mr.Anilkumar C V for presenting a paper in the International Conference IEEE TENCON 2015 conducted at Holiday Inn, Sands Cotai Central, Macao under ITSS. | No action needed |

| | | |
|------|---|---|
| 2.10 | The BoG took note of the In-house and outstation programmes for faculty and staff for the next three months | Conducted 3 in-station programmes and all faculty attended pedagogy training and other training programmes. |
| 2.11 | The BoG noted and ratified the expenditure for IIC activities conducted in the Institution. Also approved the IIC plan for the next three months. | No action needed Conducted 8 IIC programmes |
| 2.12 | BOG noted the progress of the proposals submitted to various funding agencies under R and D | No action needed |
| 2.13 | The BoG took note of the EAP activities conducted and ratified the expenditure. Also approved the action plan for remedial classes. Approved for two HIT programmes | No action needed HIT programmes could not be initiated due to PMSS problems |
| 2.14 | The BOG discussed and approved the Library Modernization and Digitalization | Due to PMSS problems this could not be initiated. |
| 2.15 | The BOG asked to include the activities of ICT Academy and approved for payment of the renewal fee of Rs.69000 | The payment is made and the activities are included in the minutes |
| 2.16 | BOG ratified the expenditure incurred for IOC | No action needed |
| 3.1 | BOG took note of the expenditure under various heads | For Information |
| 3.2 | The BoG took note of the results of BTech and MTech students | No action needed |
| 3.3 | The BOG took note of the report on the visit of performance auditor | No action needed |
| 3.4 | The BOG took note of the report on accreditation. | No action needed |
| 3.5 | The BOG took note of the report on statutory audit and asked the institution to represent the issue based on the PIP | The issue is addressed to the auditors |
| 4.1 | The BOG approved for ISO Certification | This could not be initiated due to PMSS problems |
| 4.2 | BoG approved the remuneration enhancement of Clerk and Data Entry Operator | Enhancement has been effected |

Decision: The BOG members analyzed and approved the actions taken by the College based upon the decisions made in the BOG meeting held on 17-11-2016.

Part 2 Discussion, Ratification and Approval

2.1 Expenditure incurred for procurement of goods/civil works and price revisions of various completed packages

The packages completed post the ninth BOG meeting are detailed below

Table 2.1. Details of Completed Packages Post the 8th BOG meeting

| Sl. No | Package No. | Package Name | Mode of purchase | Firm | Estimated Amount (Rs) | Actual Amount (Rs) | % Variation |
|--------------|-------------------------|-----------------------|------------------|---------------------------------------|-----------------------|--------------------|-------------|
| 1 | TEQIP-II/KL/KL1G 18/144 | Public address System | Shopping | Avalon Systems and Services, Kottayam | 1,00,000 | 1,23,000 | -23 |
| Total | | | | | | 1,23,000 | |

Decision: BoG ratified the payment of Rs.1,23,000/- towards the payment of one completed procurement package and approved the price revisions

Procurement in progress

The details of packages in progress are given below

Table 2.2 Packages in progress

| Sl. No | Package No. | Package Name | Mode of purchase | Firm | Estimated Amount | Status |
|--------|-------------------------|--|------------------|---|------------------|----------------|
| 1 | TEQIP-II/KL/KL1G1 8/180 | Electrical works in Library, office & EEE computer Lab | Shopping | Monys Electricals Contractors, Karunagappally | 79,000 | Bill submitted |

The list of items to be initiated are as shown in the Table below.

Table 2.3 List of new items to be initiated

| Sl No. | Item | Quantity | Mode | Estimate (Rs) |
|--------------|--|----------|-----------------|-----------------|
| 1 | Digital Multimeter | 20 | Direct Contract | 50,000 |
| 2 | Ultraviolet exposing unit for PCB | 1 | Direct Contract | 25,000 |
| 3 | Digital clamp power meter with storage | 1 | Direct Contract | 25,000 |
| 4 | Distilled Water Plant | 1 | Shopping | 60,000 |
| 5 | Dumpy level | 1 | Direct Contract | 25,000 |
| Total | | | | 1,85,000 |

Decision: The BOG took note of the procurement in progress.

2.2 Approval of the In-house Faculty and Staff Development Programmes

The tables below shows the in-house training programmes conducted for the faculty and staff post the last BOG meeting.

In-house Faculty Development Programme

| Table: 2.4 FDP- Inhouse FDP | | | | | |
|-----------------------------|---|----------|-------------|----------------------------|---------------|
| Sl. No | Title of the Programme | Dept | Date | Co ordinator | Expenditure |
| 1 | Workshop on Accreditation Procedures of NBA | ME | 15 Dec 2016 | Revikumar Thampi | 16,329 |
| 3 | Expert Talk on Applications of Image Transforms | ECE, CSE | 24 Oct 2016 | Reji Thankachan, Sabeena K | 7,032 |
| Total | | | | | 23,361 |

Decision: The BOG took note and ratified the expenditure in conducting the Faculty Development Programmes for Rs.23,361 as per rules.

2.3 Staff Development Programme – In-house

| Table: 2.5 In-house SDP | | | | | | | | |
|-------------------------|------------------------------------|----------------|-----------------|----------------|------------------------|-----------------------------|------------------|--------------|
| Sl. No | Title of the Programme | Dept | Date | Coordinator | Number of Participants | | Expenditure (Rs) | IRG (Rs) |
| | | | | | Internal | External | | |
| 1 | SDP on Financial And Service Rules | Administration | 14-17, Dec 2016 | Manoj K Mathew | 22 | TEQIP- 8 Non TEQIP-18 | 67,639 | 8,000 |
| Total | | | | | | | 67,639 | 8,000 |

Decision: The BOG took note and ratified the expenditure incurred in conducting the Staff Development Programme for Rs.67,639 as per rules.

2.4 Faculty and Staff Development Programme/Workshop/Seminar attended outstation by faculty

2.4.1 Details of faculty attended out station training and expenditure involved are described below

| Training Attended - Faculty | | | | | | |
|-----------------------------|---|--|------------------------------------|--|----------------|--------------------------------------|
| Sl. No | Name Of Faculty | Title | Date | Institution/Organization Name | Advance Amount | Expenditure |
| 1 | Libi A Haseena P Y | Advances In Control System Advances In Control System | 7- 11 Nov 2016 | Dr. Babasaheb Ambedkar Technical University, Maharashtra | 20000 each | 24464 24464 |
| 2 | Radhika R Chandran Reshma Ittiachan Seena Mathew | DC Smart Grids: Renewable Integration, Energy Storage And System Operation | 10 - 14 Nov 2016 | Malaviya NIT, Jaipur | 10000 each | 16656 16656 16656 |
| 3 | Sabeena K Aagi A S Deepthi P K Radhika R Chandran Seena Mathew | Pedagogy | 10 Nov 2016 - 12 Nov 2016 | IIT Madras | 2000 each | 4935 3822 3812 3812 3812 |

| | | | | | | |
|----|---|--|------------------|---|------------|--|
| 4 | Arya Chandran S Hariharan R L Sethulekshmi U S Sheena S Noushad Tintumol C R | Research Simulations And Predictive Analysis | 14-18 Nov 2016 | Model Engineering College, Ernakulam | 35000 each | 36417 36417 36417 36417 36417 |
| 5 | Reji Thankachan Deepa T R | FDP On Big Data Analytics Using Hadoop And R Tool | 21-24 Nov 2016 | ESCI, Hotel Welbeck Residency, Ooty | 30000 each | 33102 33102 |
| 6 | Aryachandran Hariharan R L Niyas S K Swetha Saira Appose | Big Data Analytics, Machine Learning And Cloud Computing | 21-25 Nov 2016 | Model Engineering College, Thrikkakara, Ernakulam | 35000 each | 36845 36845 36845 36845 |
| 7 | Shani Raj Binu V P | Gian Course Mobile System Security | 21-25 Nov 2016 | MNIT, Jaipur | 21000 each | 31309 32149 |
| 8 | Geetha S Dr. C Gopakumar Sabeena K | Advanced optimization Techniques | 21- 25 Nov 2016 | MNIT, Jaipur | 21000 each | 31287 37855 31287 |
| 9 | Aagi A S Alkha Mohan Ganesh R Raju M Subeena H | Computer Aided Drafting And Design | 28Nov-2 Dec 2016 | Model Finishing School, Ernakulam | 35000 each | 36825 36825 37355 37435 36825 |
| 10 | Arya Chandran S Binu V P Hariharan R L Niyas S K Remya R S Sajan J Mathew Swetha Saira Appoose Tintumol C R | Hands On Training In Open Source Tools For Kernel Programming And Administration | 5 - 9 Dec 2016 | Model Finishing School, Trivandrum | 35000 each | 36795 37370 36795 36795 35000 36795 36795 36795 |
| 11 | Dr. C Gopakumar Jyothi R L | STTP On Data Analysis For Research And Publication | 10 - 11 Dec 2016 | IIT Roorkee | 22000 each | 26343 24466 |

| | | | | | | |
|----|--|---|------------------------|---|---------------|--|
| 12 | Revikumar Thampi V R Ganesh R Shamna S S | FDP On Cyber Security Analytics | 13 - 17 Dec 2016 | Model Finishing School, Tvm | 35000 each | 37203 37205 36803 |
| 13 | Remya R S Radhika R Chandran Seena Mathew | FDP On Applied Mathematics In Engineering | 19 - 23 Dec 2016 | CE Poonjar | 35000 each | 35996 36436 36436 |
| 14 | Dr. C Gopakumar Jyothi R L Premakumary K R Remya R S Reshma Ittiachan Sheena S Noushad Renu K K Sethulekshmi U S | FDP On Transforms: Techniques And Applications | 9-13 Jan 2017 | CE Kallooppara | 35000 each | 37810 37215 37890 35952 36805 36805 37839 36805 |
| 15 | Baiju V Dr. Ajil Kumar A Ganesh R Libi A Manu Madhavan Revikumar Thampi V R Premnath G Sylish S V Deepa A K | Design And Engineering | 23- 28 Jan 2017 | CE Chengannur | 35000 each | 37430 37430 37350 37430 36513 37430 37430 37430 |
| 16 | Leena B R Subeena H Sauda M S | Pedagogy | 17- 19 Jan 2017 | Teaching And Learning Centre, IIT Madras | 2000 each | 4585 4585 4585 |
| 17 | Deepa A K Alkha Mohan Sabeena K Geetha S Smitha P Deepthi P K Sajan J Mathew | Tools Techniques For Processing Digital Image | 16-n 20 Jan 2017 | CE Chenganur | 35000 each | 37330 36481 36481 37330 37330 36481 36481 |
| 18 | Jyothi R L | IAPR Summer School On Document | 23-28 Jan 2017 | Birla Institute Of Scientific Research, | 26000 | 34995 |

| | | | | | | |
|--|---|---|------------------------------------|--|----------------------------------|----------------------------------|
| | | Informatics | | Jaipur | | |
| 19 | Raju M Binu V P Remya R S Deepa T R | NBA - SAR Filing And Preparedness For Assessment | 22-24 Jan 2016 | ESCI, Goa | 36000 40000 40000 40000 | 40734 40556 40784 37244 |
| 20 | C V Anilkumar Leena B R Shamna S S Niyas S K | FDP on Semiconductor Devices from Micro to Nano | 30 Jan 03 Feb 2017 | IHRD Model Engineering college, Thrikkakara | 35000 each | Not Settled |
| 21 | Binu V P Shani Raj | Introduction to Cryptography | 27-31 Jan 2017 | IIT Kharaghpur | - | Not Settled |
| <u>Workshop Attended - Faculty</u> | | | | | | |
| 1 | Deepa A K Sylish S V | National Workshop On Image Processing For Biomedical Application | 16 Dec 2016 - 14 Dec 2016 | Amritha Vishwa Vidyapeetha m, Coimbatore | - | 6236 5886 |
| <u>Seminar Attended - Faculty</u> | | | | | | |
| 1 | Sheela R | One Day Seminar On Differential Equations And Fourier Series - Some Applications | 14 Jan 2016 | Mar Baselious College Of Engg & Technology, Tvm | - | 1722 |
| 2 | Libi A Haseena PY | Control System Design – Fractional controller and its applications. | 14 -16 Dec 2016 | IIST, TVM | - | 4998 4998 |
| <u>Symposium Attended - Faculty</u> | | | | | | |
| 1 | C V Anilkumar | International Symposium On Antennas And Propogation | 15-17 Dec 2016 | CUSAT | - | 4566 |
| Total | | | | | | 25,50,754 |

Decision: The BOG took note and ratified the expenditure incurred for attending various Faculty Development Programmes by the faculty post the last BoG meeting as per rules.

2.4.2 Staff Development Programmes attended outstation by Staff

Details of staff attended out station training and expenditure involved are described below

| <u>Seminar/ Workshop/ Conference/ Training - Attended - Staff</u> | | | | | | |
|--|------------------------|---|------------------|---|-----------------------|-------------------------|
| Sl. No | Name Of Faculty | Title | Date | Institution/Organization Name | Advance Amount | Expenditure (Rs) |
| 1 | Manoj K Mathew | Kerala Service Rules, Mop And Financial Coding | 20-22 Oct 2016 | College Of Engineering, Cherthala | Nil | 2208 |
| | Sheeba Mol K K | | | | Nil | 2208 |
| 2 | Anilkumar A | Big Data Analytics, Machine Learning And Cloud Computing | 21 - 25 Nov 2016 | Model Engineering College, Thrikkakara, Ernakulam | 35000 | 37289 |
| 3 | Dr. Shaji L | Advanced optimization Techniques | 21 - 25 Nov 2016 | MNIT, Jaipur | 20000 | 29512 |
| 4 | Binny F | STTP On Fault Diagnosing And Maintenance Of Electrical And Electronics Equipments And Measuring Instruments | 14 -16 Dec 2016 | CE Vadakkara | 4000 | 5552 |
| 5 | Anilkumar A | STTP On Data Analysis For Research And Publication | 10 - 11 Dec 2016 | IIT Roorkee | 22000 | 26454 |
| 6 | Dr. Shajy L | FDP On Transforms: Techniques And Applications | 9-13 Jan 2017 | CE Kalliooppara | 22000 | 26454 |
| | Anilkumar A | | | | 35000 | 37330 |
| 7 | Dr.Shaji L | Tools Techniques For Processing Digital Image | 16-20 Jan 2017 | CE Chenganur | 35000 | 37330 |
| 8 | Anilkumar A | IAPR Summer School On | 23-28 Jan 2017 | Birla Institute Of Scientific | 26000 | 32507 |

| | | | | | | |
|--------------|---------------|---|----------------|-------------------------------------|-------|-----------------|
| | | Document Informatics | | Research, Jaipur | | |
| 9 | Kuryachan T D | FDP On Big Data Analytics Using Hadoop And R Tool | 21-24 Nov 2016 | ESCI, Hotel Welbeck Residency, Ooty | 30000 | 33270 |
| Total | | | | | | 2,70,144 |

Decision: The BOG ratified the expenditure by staff members in attending various programmes

2.5 Approval of Reimbursement of fee for PhD/MTech and Journal Publication.

Mr.Vinod R, Assistant Professor in Computer Science and Engineering submitted a request for the reimbursement of tuition fee for the M.Tech programme he had undergone at IIT Madras for an amount of Rs. 12,950/-. The Academic committee and Finance Committee approved for the payment and the amount was reimbursed subject to the approval of BOG.

Decision: The BOG took note and ratified the payment as per the rules.

2.6 Reimbursement of IEEE Membership for the year 2017-18

The following faculty members have submitted requests for reimbursing the fee paid for IEEE membership for the year 2017-18. As per TEQIP norms 50% fee paid for professional membership to a maximum of Rs.5000 can be paid. The details of the 50% of the amounts paid by the faculty members are given below.

| Sl No | Name of Faculty | Designation | Amount (Rs) |
|-------|-----------------|-----------------|-------------|
| 1 | Anilkumar C V | Asso Prof in EC | 2830 |
| 2 | Raju M | Asst prof in EE | 3920 |
| 3 | Dr.C Gopakumar | Asst prof in EC | 2745 |
| 4 | Deepa A K | Asst prof in EC | 3000 |
| 5 | Jyothy R L | Asst prof in CS | 3585 |

Decision: The BoG approved for reimbursement of the fee as per rules.

2.7 Approval of the outstation programmes for faculty and staff for the next two months

2.7.1 Outstation Training Programmes planned for the next two months

The detailed proposal of outstation training programmes planned for the next 2 months is shown in the following table.

| Department: Electronics and Communication | | | | | |
|---|------------------------|--------------------------------------|-----------------------|----------------------------|--------------------------------|
| Sl. No | Name of Faculty | Course | Tentative date | Institution | Approx Expenditure (Rs) |
| 1 | Shiny C | DSP | 6/2/17-10/2/17 | CE Kottarakkara | 38000 |
| | | Signal Processing | 13/3/17-17/3/17 | MFS TVM | 38000 |
| 2 | Dr.Hari V S | DSP | 6/2/17-10/2/17 | CE Kottarakkara | 38000 |
| | | Image Processing | 27/2/17-3/3/17 | CE Chengannur | 38000 |
| 3 | Dr.Gopakumar C | DSP | 6/2/17-10/2/17 | CE Kottarakkara | 38000 |
| 4 | Deepa T R | DSP | 6/2/17-10/2/17 | CE Kottarakkara | 38000 |
| | | Signal Processing | 13/3/17-17/3/17 | Model Finishing School TVM | 38000 |
| | | Smart Technologies for Digital India | 21/3/17-24/3/17 | ESCI | 40000 |
| 5 | Reji Thankachan | DSP | 6/2/17-10/2/17 | CE Kottarakkara | 38000 |
| | | Signal Processing | 13/3/17-17/3/17 | MFS TVM | 38000 |
| | | Smart Technologies for Digital India | 21/3/17-24/3/17 | ESCI | 40000 |
| 7 | Sylish S V | Signal Processing | 13/3/17-17/3/17 | MFS TVM | 38000 |
| 8 | Niyas S K | Signal Processing | 13/3/17-17/3/17 | MFS TVM | 38000 |
| 12 | Leena B R | Image Processing | 27/2/17-3/3/17 | CE Chengannur | 38000 |
| 13 | Subeena H | Imageprocessing | 27/2/17-3/3/17 | CE Chengannur | 38000 |
| 14 | Shammna S S | Image Processing | 27/2/17-3/3/17 | CE Chengannur | 38000 |
| Department of Electrical and Electronics Engineering | | | | | |
| 1 | Deepthi P K | Image Processing | 27/02/17 - 03/03/17 | CE,Chengannur | 35000 |
| | | DSP | 13/03/17-17/03/17 | MFS, TVM | 35000 |
| 2 | Manu Madhavan | Internet of Things | 20/02/17-24/02/17 | MFS, EKM | 35000 |

| | | | | | |
|---|-----------------------|---|------------------------|------------------|-------|
| | | Life Skills | 20/03/17- 24/03/17 | MEC, EKM | 35000 |
| 3 | Seena Mathew | Image Processing | 27/02/17 - 03/03/17 | CE, Chengannur | 35000 |
| 4 | Libi A | Road Map to Research in Electrical, Electronics and Computing | 13/02/17- 17/02/17 | CE, Poonjar | 35000 |
| | | DSP | 13/03/17- 17/03/17 | MFS, TVM | 35000 |
| | | Research Methodology | 20/03/17- 24/03/17 | MNIT Jaipur | 38000 |
| 5 | Raju M | Digital Signal Processors | 06/02/17- 10/02/17 | CE, Kottarakkara | 37000 |
| | | Power Quality challenges with RE integration in Smart Grids | 23/02/17 – 24/02/17 | CPRI, Bangaluru | 35000 |
| 6 | Radhika R Chandran | DSP | 13/03/17- 17/03/17 | MFS, TVM | 35000 |
| 7 | Haseena P Y | Road Map to Research in Electrical, Electronics and Computing | 13/02/17- 17/02/17 | CE, Poonjar | 35000 |
| | | DSP | 13/03/17- 17/03/17 | MFS, TVM | 35000 |
| | | Research Methodology | 20/03/17- 24/03/17 | MNIT Jaipur | 38000 |
| 8 | Reshma Ittiachan | Life Skills | 20/03/17- 24/03/17 | MEC, EKM | 35000 |

Discussion: Mr. James Joseph, BoG Member informed that all activities under TEQIP II should be finished by 31st March 2017 but accounting and auditing can go upto next 4 months after March. He also informed that as per the direction from SPFU Director, no payment for AMC can be made beyond 31st March 2017.

BOG directed to address the issue of salary matters of the staffs of TEQIP and Assistantship of PG students with SPFU Director.

Decision: The BOG approved the proposals for the outstation programmes for the next two months.

2.8 Ratification/Approval of IIC Activities

2.8.1 IIC activities conducted post the last BoG meeting

The IIC activities conducted by different departments are as given in the following Table.

Table IIC activities conducted by different departments

| Sl No | Branch | Name of Program | Type of Program | Industry Name/ Institution Name | Date | No. of Days | No. of Student Participants | Expenditure |
|-------|--------|---|---------------------|--|----------------|-------------|-----------------------------|-------------|
| 1 | EEE | Life Skills | Workshop | Isstac, Palai, JCI, Kottayam | 24 Aug 2016 | 1 | 76 | 13883 |
| 2 | ECE | Ideation Boot Camp | Industrial Tutoring | We Do Good, Orendia Tech, Thrissur | 12 Nov 2016 | 1 | 37 | 18168 |
| 3 | ECE | Designing With CPLD's & FPGA's | Industrial Tutoring | CDAC, Tvm | 12 Nov 2016 | 1 | 20 | 5650 |
| 4 | ECE | Expert Talk On Eda Tools-Spice | Industrial Tutoring | SFO Technologies, Kakkanad | 19-20 Nov 2016 | 2 | 34 | 10306 |
| 5 | CSE | Java and Android application development | Industrial Tutoring | Accel Frontline, Calicut & OCIUZ Tech, Trissur & NEXT Tech, Calicut & Axel Tech, Calicut | 7- 10 Dec 2016 | 4 | 48 | 48135 |
| 6 | ECE | Workshop on Hybric Mobile Application Development | Workshop | CEO, Tenderwoods, Bangalore | 15 Dec 2016 | 1 | 45 | 29038 |
| 7 | ECE | Expert Talk on RTC to GDS – II | Expert Talk | INTEL, India Bangalore | 19 Dec 2016 | 1 | 45 | 8000 |
| 8 | ECE | Expert Talk “Design and development cycle of embedded system in industry” | Expert Talk | Robert Bosch, SEZ | 27 Jan 2017 | 1 | 44 | 6339 |

| | |
|--------------|-----------------|
| Total | 1,39,519 |
|--------------|-----------------|

Decision: The BoG took note and ratified the expenditure as per rules.

2.8.2 IIC activities planned for the next two months

The modified proposal of IIC activities planned for the next two months by the Electrical department is given in the following Table.

| IIC Programs planned by Electrical & Electronics department during February – March 2017 (Committed) | | | | | |
|---|---|--|-------------------------|-------------|-------------------------|
| No | Activity | Name of Expert/Field | Institution | Month /Year | Expenditure (in lakhs) |
| 1 | Workshop for final year & pre final year students | PLC & SCADA (in collaboration with Industry) | Pantech | Feb 2017 | 0.50 |
| 2 | STTP in collaboration with Industry | Transformer Testing & Protection | TELK | Feb 2017 | 0.40 |
| 3 | Expert lecture | Electrical Installation | Electrical Inspectorate | Feb 2017 | 0.065 |
| 4 | Expert lecture | Green Energy | KKNPP | Feb 2017 | 0.065 |
| 7 | Expert lecture | Er. Jayaraj | Electrical Inspectorate | Mar 2017 | 0.065 |
| 8 | Expert lecture | Renewable Energy | ANERT | Feb 2017 | 0.065 |
| 9 | Expert lecture | Energy Auditing | Energy Management Cell | Feb 2017 | 0.065 |
| 10 | Expert lecture | Switch Gear & Protection | KSEB | Mar 2017 | 0.065 |
| 11 | 2 days Workshop | Design Estimation & Costing | Electrical Inspectorate | Mar 2017 | 0.20 |

| | | | | | |
|--------------|---------------------|-------------------------------------|-----------------------|----------|-------------|
| 12 | Industrial Tutoring | Brushless alternator, PMMC Machines | KEL | Mar 2017 | 0.20 |
| 13 | Workshop | Simulation software | Technocity, Ernakulam | Feb 2017 | 0.22 |
| Total | | | | | 1.91 |

Decision: The BOG approved the action plan under IIIC cell for the next two months.

2.9 Ratification of programmes under EAP

2.9.1 Remedial classes conducted

Remedial classes were conducted in various subjects for different groups of students. The details of the classes conducted and the expenditure details are given below.

| Table: Details of remedial classes conducted in the last semester | | | | | | | |
|--|---|---------------|--|------------|---------------|-----------------|-------------|
| Sl. No | Name and Designation | Class | Subject Code | Date | Hours Engaged | No. of Students | Expenditure |
| 1 | Ms.Shiny C, Asst. Prof. EC | S5 EC | EC1504, Comm. Engg. II | 16.07.2016 | 6 | 3 | 7200 |
| | | | | 23.07.2016 | 6 | 7 | |
| 2 | Ms.Haseena P Y, Asst. Prof. In EEE | S6 EC,CS ,EEE | 1605, Control system 1 & Modern Control system | 29.03.2016 | 1 | 4 | 4800 |
| | | | | 30.03.2016 | 2 | 6 | |
| | | | | 31.03.2016 | 2 | 4 | |
| | | | | 13.04.2016 | 3 | 11 | |
| 3 | Ms.Alkha Mohan, Asst. Prof. In IT | S7 CS | CS1703, Advanced Computer Networks | 05.11.2016 | 5 | 5 | 9600 |
| | | | 1704, Analysis and design of Algorithms | 12.11.2016 | 3 | 6 | |
| | | S1 CS | 101-105, Introduction to computing and problem solving | 09.11.2016 | 1 | 18 | |
| | | | | 10.11.2016 | 1 | 18 | |
| | | | | 11.11.2016 | 1 | 11 | |
| | | | | 14.11.2016 | 1 | 18 | |
| | | | | 15.11.2016 | 1 | 18 | |
| | | | | 17.11.2016 | 1 | 17 | |
| | | | | 18.11.2016 | 1 | 16 | |
| 19.11.2016 | 1 | 14 | | | | | |
| 4 | Ms.SwethaSairaAppoose, Asst. Prof. In CSE | S5 CS | 1506, Micro Processor based system design | 05.10.2016 | 1 | 14 | 4200 |
| | | | | 08.10.2016 | 2 | 14 | |
| | | S3 | 203, switching theory and logic design | 15.11.2016 | 1 | 5 | |
| | | | | 18.11.2016 | 1 | 5 | |

| | | | | | | | |
|---|---|----|-----------------------------------|------------|---|--------------|--------------|
| | | | | 19.11.2016 | 1 | 5 | |
| | | | | 29.11.2016 | 1 | 5 | |
| 5 | Ms.Aagi A S, Asst. Prof. In CSE | S3 | EE207, computer programming | 05.11.2016 | 2 | 20 | 1800 |
| | | | | 08.11.2016 | 1 | 20 | |
| 6 | Dr.Sreeni K G, Asst. Prof. In ECE, CE Tvm | S5 | CS15L2, Open GL computer networks | 14.12.2016 | 6 | 20 | 3600 |
| | | | | | | Total | 31200 |

2.9.2 Counselling and Motivational Classes conducted

]

Table: EAP – Counselling and Motivational Classes Conducted

| Sl No | Dept | Name of Program | Industry Name/ Institution Name | Date | No. of Days | No. of Student Participants | Actual/ Planned Expenditure |
|-------|------|--|---------------------------------|---------------------------|-------------|-----------------------------|-----------------------------|
| 1 | CSE | Counselling | SJCET, Pala | 17 Nov 2016 - 18 Nov 2016 | 2 | 33 | 13,046 |
| 2 | CSE | Counselling and Motivational Classes (Third Year B Tech) | SJCET, Pala | 26 Jan 2017 - 27 Jan 2017 | 2 | 40 | 12,840 |

Decision: The BOG took note and ratified the payment towards the remuneration paid to the resource persons for the remedial and other programmes under EAP

2.10 Action Plan for the Programmes Under EAP Cell for the next two months

The action plan for soft skill training, remedial classes and High Intensity Training Programmes are given in the following sections.

2.10.1 Soft Skill Training Programmes for the next two months

The softskill training programmes committed and planned for the next two months are as given below

| Sl No | Title of the programme | Target group | No of Days | Proposed dates | Estimated Expenditure (in lakhs) |
|-------|-----------------------------|-------------------------|------------|----------------|----------------------------------|
| 1 | Getting Ready for placement | B-tech Third Year CS/IT | 5 | Committed | 0.75 |

| | | | | | |
|----|-----------------------------|----------------------------------|---|---------------|------|
| 2 | Getting Ready for placement | B-tech Third Year EC | 5 | Committed | 0.75 |
| 3 | Getting Ready for placement | B-tech Third Year EE | 5 | Committed | 0.75 |
| 4 | Soft skill training | M-tech | 4 | February 2017 | 0.80 |
| 5 | Aptitude training | B-tech Final Year CS/IT | 5 | February 2017 | 0.75 |
| 6 | Aptitude training | B-tech Final Year EC | 5 | February 2017 | 0.75 |
| 7 | Aptitude training | B-tech Final Year EE | 5 | February 2017 | 0.75 |
| 8 | Soft Skill Training | B-tech Second Year CS/IT,EC & EE | 3 | February 2017 | 1.20 |
| 9 | Orientation Programme | B-tech First Year CS,EC & EE | 3 | February 2017 | 1.20 |
| 10 | Aptitude training | B-tech Third Year CS/IT | 5 | March 2017 | 0.54 |
| 11 | Aptitude training | B-tech Third Year | 5 | March 2017 | 0.54 |
| 12 | Aptitude training | B-tech Third Year | 5 | March 2017 | 0.54 |
| 13 | Aptitude training | B-tech Second Year CS,EC & EE | 3 | March 2017 | 1.20 |
| 14 | Soft skill Training- | B-tech First Year CS,EC & EE | 3 | March 2017 | 1.20 |

2.10.2 Remedial Classes Planned for the next two months

| REMEDIAL CLASSES PLANNED FEBRUARY-MARCH 2017 CS DEPT | | | |
|---|--|--------------|-----------------------------------|
| Semester | Subject | Hours | Expected expenditure in Rs |
| VIII CS | OOMD | 10 | 6000 |
| VIII CS | Datamining | 10 | 6000 |
| VIII CS | Advance Architecture¶llel processing | 10 | 6000 |
| VIII CS | Distributed computing | 10 | 6000 |
| VICS | Computer Networks | 10 | 6000 |
| VICS | Operating System | 10 | 6000 |
| VICS | Cryptography | 10 | 6000 |
| VICS | Compiler Construction | 10 | 6000 |
| IVCS | Mathematics | 10 | 6000 |
| IVCS | Operating System | 10 | 6000 |

| | | | |
|--|--|------------|-----------------|
| IVCS | Principles of Database Design | 10 | 6000 |
| IVCS | Object oriented Design and Programming | 10 | 6000 |
| IVCS | Computer Organisation and Architecture | 10 | 6000 |
| IICS | C programming | 10 | 6000 |
| IICS | Enginnering Graphics | 10 | 6000 |
| IICS | Basics Electronics | 10 | 6000 |
| IICS | Differential Equations | 10 | 6000 |
| | TOTAL | 170 | 1,02,000 |
| Remedial Classes Planned for EEE Department | | | |
| Semester | Subject | Hrs | Amount |
| IVEE | Probability Distribution ,Transforms & Numerical Methods | 4 | 2400 |
| IVEE | Synchronous & Induction Machines | 4 | 2400 |
| IVEE | Digital Electronics & Logic Design | 4 | 2400 |
| IVEE | Material Science | 3 | 1800 |
| IVEE | Measurements & Instrumentation | 3 | 1800 |
| VIEE | Modern Communication Engg | 4 | 2400 |
| VIEE | Modern DSP | 8 | 4800 |
| VIEE | Control System I | 6 | 3600 |
| VIEE | Nin conventional & Renewable Energy | 4 | 2400 |
| VIEE | Electrical Drawing | 5 | 3000 |
| VIII EE | Electrical Machine Design | 6 | 3600 |
| VIII EE | Power System III | 4 | 2400 |
| VIII EE | Electronic Instrumentation | 4 | 2400 |
| VIII EE | FACTS | 4 | 2400 |
| VIII EE | Power Quality | 4 | 2400 |
| II EE | Differential Equations | 4 | 2400 |
| II EE | Engineering Mechanics | 6 | 3600 |
| II EE | Basics of Electronics Engg | 4 | 2400 |
| II EE | Engg Physics | 4 | 2400 |
| | TOTAL | 85 | 51,000 |
| Remedial Classes Planned for EC Department | | | |
| Semester | Subject | Hrs | Amount |
| II EC | Differential Equations | 12 | 7200 |
| II EC | Engineering Chemistry | 6 | 3600 |
| II EC | Engineering Graphics | 12 | 7200 |
| II EC | Design and Engineering | 5 | 3000 |
| II EC | Basics of Mechanical Engineering | 6 | 3600 |
| II EC | Basics of Electrical Engineering | 6 | 3600 |
| IVEC | Probability and Random Process | 10 | 6000 |
| IVEC | Signals & Systems | 8 | 4800 |

| | | | |
|---------|---|------------|---------------|
| IVEC | Analog Integrated Circuits | 6 | 3600 |
| IVEC | Analog Communication | 6 | 3600 |
| IVEC | Computer Organization | 5 | 3000 |
| VI EC | Microwave Techniques and Devices | 8 | 4800 |
| VI EC | Communication Engineering III | 6 | 3600 |
| VI EC | Control Systems Engineering | 6 | 3600 |
| VI EC | Digital Image Processing | 4 | 2400 |
| VI EC | VLSI Design | 5 | 3000 |
| VI EC | Electronic Measurements And Instrumentation | 5 | 3000 |
| VIII EC | Multimedia Communication Systems | 5 | 3000 |
| VIII EC | Wireless Communication | 5 | 3000 |
| VIII EC | Computer Communication & Networking | 5 | 3000 |
| VIII EC | ASIC Design | 5 | 3000 |
| | | 136 | 81,600 |

Discussion: The BOG enquired about the number of classes engaged in the running semester and the Principal reported about the loss of working days due to politically motivated students strike from outside students. The BOG suggested that steps should be taken to overcome the problem. The very next Saturday after the strike should be fixed as a working day. Principal should inform the parents regarding this through PTA meeting. A PTA meeting should be called at the beginning of each academic year to discuss such problems. PTA members may be asked to discuss with local political bodies to overcome this problem. The BoG also discussed about constructing a Compound wall. Dr. Sureshkumar suggested that Multi National Companies could be approached for funding for such infrastructure development. He also suggested that CE Karunagappally can submit a proposal as Chertala Engineering college has submitted for such funding.

Decision: The BOG approved the action plan for remedial classes and the soft skill training programme planned for the next two months.

2.11 Expenditure incurred under IOC-Ratification

The expenditure incurred under IOC post the ninth BOG meeting is Rs. **8,63,351/-**. This amount is due to Salaries of TEQIP staff, Consumables purchased for TEQIP cell and other departments, and Operation and Maintenance charges. All the amounts have been paid as per TEQIP II norms.

Decision: The BOG may took note and ratified the payment.

2.12 Approval for Vision and Mission and of the Institution and different departments.

The institution is getting ready for accreditation by March 2017, soon after completing the NABARD block. The institution accreditation team had attended FDP's connected with Accreditation process and they felt that the Institutional and Departmental vision and mission to be modified after discussion with the experts. So a revision process is initiated and a draft

is prepared after discussing with the staff members and representatives from students, alumni, educationalists and parents. The draft of Institutional and Departmental (EC, CS and EEE) vision and mission statements were presented before the BOG for finalising.

Institute Vision

To be a centre of professional excellence to fulfil the technological needs of the society.

Institute Mission

- Provide education through resourceful programmes that are stimulus to the current and emerging needs of the society .
- Promote innovative teaching and learning to achieve academic excellence in engineering and technology.
- Create an environment conducive for innovative research in cutting edge technologies.
- Equip the students with outstanding professionalism, high ethical values and social obligations.

Department Vision and Mission(EC)

Vision

Transforming individuals into professionally excellent and socially responsible Electronics Engineers.

Mission

- Offer quality undergraduate & research oriented programs in Electronics and Communication Engineering .
- Educate the students with state- of- the- art technologies to meet the growing challenges of the industry.
- Provide modern facilities in a productive environment to students and faculty for continuous improvement.
- Encourage faculty and students to carry out innovative research.
- Motivate the students for active participation in co-curricular and extracurricular activities.
- Inculcate the spirit of ethical values and social responsibilities to transform individuals into reliable citizen.

Department Vision and Mission(CS)

Vision

Be a centre of professional excellence for nurturing technically competent and socially committed Computer engineers

Mission

- Enlighten the individuals with the advancements in computing through innovative teaching learning methodologies.
- Motivate the students for active involvement in industry, co-curricular and extracurricular activities.
- Impart research culture among faculty and students for the advancement of state-of-the-art technologies in computer science and related disciplines
- Inculcate the spirit of ethical values and social responsibilities to transform individuals into good citizen.

Department Vision and Mission(EEE)

Vision

Transform individuals to professionally excellent and socially committed Electrical Engineers.

Mission

- Facilitate quality engineering education to equip young individuals to meet the latest challenges in industry.
- Provide technological assistance and services to meet the growing needs of society.
- Develop and Propagate best energy management practices .
- Provide modern facilities in a conducive environment to students and faculty for continuous improvement.
- Motivate the students for active participation in co-curricular and extracurricular activities.

Discussion: BOG members suggested that vision should include points that reflect personality development, social commitment and team spirit values in students. They expressed concern about the conformity in vision and mission statements of the Institution and Departments. For all those vision statements specified, substantial document support should be maintained in the Institution and Departments. For Departments with P.G courses, Vision statements should consist the Specialization of MTech programmes.

Decision: The BOG pointed out to relook into the proposed Vision and Mission statements considering the above mentioned points.

2.13 Approval for the purchase of display boards

The institution has applied for Accreditation and the visit of the NBA team is expected to be conducted within a couple of months. In the process it is mandatory that display boards showing the mission and vision statements of the institution and the departments, the class rooms, labs and other rooms and places in the institution are kept at relevant places. Altogether, 300 display boards of different sizes are required. The details of the boards with expected expenditure is given below.

Table: Details of Display Boards Required

| Sl. No | Item | Material Used | Size | Quantity (no.) | Rate | Amount (Rs.) |
|--------|-------------------------------------|---------------|-----------|----------------|--------|--------------|
| 1 | Room Number Board | ACP | 5" X 5" | 70 | 125 | 8750.00 |
| 2 | Room Indication Board | ACP | 20" X 4" | 70 | 480 | 33,600.00 |
| 3 | Room Name Board -Type 1 | ACP | 12" X 8" | 50 | 570 | 28,500.00 |
| 4 | Room Name Board-Type 2 | ACP | 18' X 12" | 20 | 1300 | 26,000.00 |
| 5 | Vision & Mission – Institute-Type 1 | Acrylic Sheet | 4'x 3' | 10 | 7200 | 72,000.00 |
| 6 | Vision & Mission – Institute-Type 2 | Acrylic Sheet | 3'X2' | 10 | 3600 | 36,000.00 |
| 7 | Vision and Mission –Dept.-Type 1 | Acrylic Sheet | 4' X3' | 9 | 7200 | 64,800.00 |
| 8 | Vision and Mission –Dept.-Type 2 | Acrylic Sheet | 3'X 2' | 18 | 3600 | 64,800.00 |
| 9 | Vision and Mission –Dept.-Type 3 | Acrylic Sheet | 20"X15" | 21 | 1800 | 37,800.00 |
| 10 | Students intake display board | ACP | 4'X 3" | 1 | 10,000 | 10,000.00 |
| 11 | Room location board-Legend-Type 1 | ACP | 4'X 3' | 2 | 10,000 | 20,000.00 |
| 12 | Room location board-Legend-Type 2 | ACP | 3' X 2' | 2 | 5000 | 10,000.00 |
| 13 | Sign boards | ACP | 12" X 18" | 12 | 1300 | 15,600.00 |
| 14 | PEO & PO display boards in Labs | ACP | 3' X 2' | 30 | 5000 | 1,50,000.00 |
| 15 | Faculty Name List Display board | ACP | 3' X 2' | 5 | 5000 | 25,000.00 |

| | | | | | | |
|---------------|----------------------------------|-----|----------|----|------|--------------------|
| 16 | Staff name list Display board | ACP | 2' X 1½' | 20 | 2600 | 52,000.00 |
| TOTAL: | | | | | | 6,54,850.00 |

Discussion: The BoG asked whether the boards can be purchased through PMSS. Mr.Sylish, Procurement Coordinator said that all the packages have been initiated and sufficient amount for purchasing the boards is not available. The BoG directed to minimize the number of boards and reduce the budget. Further, the BoG directed to address the issue to the SPFU Director and proceed to procure the same under IOC.

Decision: The BoG decided to address the issue to the SPFU Director and proceed to procure the same under IOC. Since the upper limit for procuring minor items through PMSS is Rs.50000/-, consumables can be purchased for the same limit by inviting three quotations at a time.

2.14 Remuneration enhancement MIS officer.

As per G.O. (Rt) No. 3560/ 2016/ HEDN Dated, Thiruvananthapuram, 30/12/2016, the remuneration of Teqip II staff - MIS officer has been enhanced from Rs. 25000/- to Rs. 32000/- with effect from 1/4/2016. The revised remuneration has been paid to the MIS officer from December 2016 onwards. The arrear amount of Rs. 56000/- for the months from April 2016 to November 2016 has also been paid to him. The .GO is attached as Annexure 2.

Decision: The BoG ratified the revised remuneration and the arrears paid to the MIS Officer.

Part 3

Reports

3.1 Summary of Expenditure as on 15 November 2016

The summary of expenditure as on 31.01.2017 is as below.

Total Fund Received: Rs.1000 Lakhs

| Sr.No | Expenditure Name | Expenditure Upto 31 October 2016 (Rs in Lakhs) | Expenditure From 1 Nov 2016 - 31 st Jan 2017 (Rs in Lakhs) | Cumulative Expenditure upto 31 st Jan 2017 (Rs in Lakhs) |
|-------|---|---|--|--|
| 1 | Procurement | 554.37 | 1.23 | 555.60 |
| 2 | Providing Assistantships for Increased enrolment in existing and new PG Programmes in Engineering Disciplines | 119.42 | 12.24 | 131.66 |

| | | | | |
|--------------|---|---------------|--------------|---------------|
| 3 | Enhancement of Research and Development and Institutional Consultancy Activities | 13.17 | 7.69 | 20.86 |
| 4 | Faculty and staff development for improved competence based on Training Needs Analysis(TNA) | 115.61 | 30.68 | 146.29 |
| 5 | Enhanced Interaction with Industry | 7.92 | 1.25 | 9.17 |
| 6 | Institutional Management Capacity enhancement | 6.65 | 0 | 6.65 |
| 7 | Implementation of Institutional reforms | 8.99 | 0 | 8.99 |
| 8 | Academic support for weak students | 12.49 | 0.86 | 13.35 |
| 9 | Incremental Operating Cost | 46.27 | 5.12 | 51.39 |
| Total | | 884.89 | 59.07 | 943.96 |

Decision: The BOG took note of the expenditure under various heads.

3.2 Report on Examination Results

The latest results of BTech and MTech students under KTU and CUSAT are as shown in the following Tables.

Table B.Tech Result statistics in percentage

| Branch | Semester | General | OEC | SC/ST | Total |
|--------|----------|---------|-------|-------|-------|
| EC | 2 | 65.38 | 60 | 0 | 60.61 |
| | 3 | 33.33 | NA | 0 | 31.91 |
| | 6 | 38.46 | 33.33 | 0 | 25.25 |
| | 8 | 48.21 | 0 | 0 | 44.26 |
| CS | 2 | 75 | 0 | NA | 72.72 |
| | 3 | 41.46 | 100 | 0 | 41.86 |
| | 6 | 50 | NA | 0 | 45.24 |
| | 8 | 52 | NA | 20 | 49.09 |
| EEE | 2 | 72.72 | 50 | 0 | 65.79 |
| | 3 | 36.96 | 0 | NA | 35.42 |
| | 6 | 34.78 | 0 | 0 | 32.00 |
| | 8 | 55.10 | 100 | 33.33 | 56.36 |

| | | | | | |
|----|---|-------|-----|----|-------|
| IT | 3 | 100 | NA | NA | 100 |
| | 6 | 33.33 | NA | 0 | 28.57 |
| | 8 | 40 | 100 | 0 | 41.18 |

| Branch | Semester | General | OEC | SC/ST | Total |
|--------|----------|---------|-----|-------|-------|
| EC | 2 | 17/26 | 3/5 | 0/2 | 29/33 |
| | 3 | 15/45 | NA | 0/2 | 15/47 |
| | 6 | 15/39 | 1/3 | 0/4 | 16/46 |
| | 8 | 27/56 | 0/3 | 0/2 | 27/61 |
| CS | 2 | 24/32 | 0/1 | NA | 24/33 |
| | 3 | 17/41 | 1/1 | 0/1 | 18/43 |
| | 6 | 19/38 | NA | 0/4 | 19/42 |
| | 8 | 26/50 | NA | 1/5 | 27/55 |
| EEE | 2 | 24/33 | 2/4 | 0/2 | 26/39 |
| | 3 | 17/46 | 0/2 | NA | 17/48 |
| | 6 | 16/46 | 0/1 | 0/3 | 16/50 |
| | 8 | 27/49 | 3/3 | 1/3 | 31/55 |
| IT | 3 | 3/3 | NA | NA | 3/3 |
| | 6 | 2/6 | NA | 0/1 | 2/7 |
| | 8 | 6/15 | 1/1 | 0/1 | 7/17 |

Table: M.Tech Result Statistics in Percentage

| Branch | Semester | General | OEC | SC/ST | Total |
|--------|----------|---------|-----|-------|-------|
| SP(EC) | 1 | 10/10 | 1/1 | 1/1 | 12/12 |
| | 2 | 10/10 | 1/1 | 1/1 | 12/12 |
| IP(CS) | 1 | 12/16 | 2/2 | 1/1 | 15/19 |
| | 2 | 13/16 | 2/2 | 0/1 | 15/19 |
| Branch | Semester | General | OEC | SC/ST | Total |
| SP(EC) | 1 | 100 | 100 | 100 | 100 |
| | 2 | 100 | 100 | 100 | 100 |
| IP(CS) | 1 | 75 | 100 | 100 | 78.95 |
| | 2 | 81.25 | 100 | 0 | 78.94 |

Decision: The BoG took note of the results.

3.3 Report on status of Accreditation

The Institution had remitted the fees for accreditation by the National Board of Accreditation (NBA) as per the requirements of TEQIP-II for the UG Programmes in Electronics & Communication Engineering and Computer Science & Engineering that are eligible to apply for accreditation. The Self-Assessment Reports (SARs) of both the programmes were uploaded.

Decision: The BOG took note of the accreditation status.

3.4 Report on the Internal Audit for the half year from April-16 to September 2016

Internal Audit for the half year from April 2016 to September 2016 was conducted in December 2016. The audit report was presented and discussed.

Decision: The BOG took note of the audit report.

Part 4

Any Other item with the permission of the Chair

4.1 Status of the Four Funds

As on date, an amount of Rs. 25,32,425/- has been deposited in the four Accounts of TEQIP-II of CE Karunagappally. The split up is as given below:

Table 4.1: Status of Four Funds

| SI No. | Name of Account | Amount (Rs) |
|--------------|-----------------------|------------------|
| 1 | Corpus | 6,32,947 |
| 2 | Faculty Development | 6,33,584 |
| 3 | Equipment Replacement | 6,32,947 |
| 4 | Maintenance | 6,32,947 |
| Total | | 25,32,425 |

Decision: BoG took note of the status of four funds.

4.2 Outstation Training Programmes planned for the next two months for CS

Table 4.2 below shows the outstation training programme planned by the CS Department.

Table 4.2 Outstation training programme planned by the CS Department for Feb and March 2017

| Department : Computer Science and Engineering | | | | | |
|--|-----------------|---|----------------|---------------|-------------------------|
| NO | Name of faculty | Course Name | Tentative Date | Institution | Approximate Expenditure |
| 1 | Smitha P | Introduction to design & analysis of algorithms | 9/2/17-13/2/17 | IIT,Kharagpur | 30,000 |
| | | Image Processing | 27/2/17-3/3/17 | Chengannur | 40,000 |

| | | | | | |
|--------------|-----------------|---|-------------------|----------------------|-----------------|
| 2 | Shajy L | Introduction to design & analysis of algorithms | 9/2/17-13/2/17 | IIT,Kharagpur | 30,000 |
| | | Image Processing | 27/2/17-3/3/17 | Chengannur | 40,000 |
| 3 | Remya R S | Research Methodology | 20/3/17-25/3/17 | MNIT,Jaipur | 35000 |
| | | Microprocessor design | 26/2/17-4/3/17 | University of Kerala | 35000 |
| | | Workshop on image & signal processing | 23/2/17-25/2/17 | VIT,Chennai | 35000 |
| 4 | Shani raj | DSP | 6/2/17-10/2/17 | Kottarakkara | 40000 |
| | | Image Processing | 27/2/17-3/3/17 | Chengannur | 40000 |
| 5 | Geetha S | Image Processing | 27/2/17-3/3/17 , | Chengannur | 40000 |
| 6 | Aagi | DSP | 6/2/17-10/2/17 | Kottarakkara | 40000 |
| 7 | Hariharan | Image Processing | 27/2/17-3/3/17 | Chengannur | 40000 |
| 8 | Arya Chandran S | Image Processing | 27/2/17-3/3/17 | Chengannur | 40000 |
| 9 | Swetha | Image Processing | 27/2/17-3/3/17 | Chengannur | 40000 |
| 10 | Sabeena K | Image Processing | 27/2/17-3/3/17 | Chengannur | 40000 |
| 11 | Binu V P | Internet of things | 20/2/17-24/2/17 | MFS Kaloore | 37000 |
| 12 | Jyothi R L | Life Skills | 20/03/17-24/03/17 | MEC, EKM | 35000 |
| 13 | Anilkumar A | Life Skills | 20/03/17-24/03/17 | MEC, EKM | 35000 |
| Total | | | | | 6,72,000 |

Decision: BoG approved the action plan of outstation training programme of CS Department.

4.3 Outstation Programme for Administrative Staff

Table below shows the outstation training programme planned for the Administrative Staff

| NO | Name of Staff | Course Name | Date | Institution | Approximate Expenditure |
|----|---------------|---|----------------|----------------|-------------------------|
| 1 | Dr. Anitha | Performance Improvement for Institutional Development | 7-10March 2017 | ESCI Hyderabad | 27,,000 |

| | | | | | |
|---|--------------|---|----------------|----------------|--------|
| 2 | Manoj Mathew | Performance Improvement for Institutional Development | 7-10March 2017 | ESCI Hyderabad | 27000 |
| 3 | Sandhya | Performance Improvement for Institutional Development | 7-10March 2017 | ESCI Hyderabad | 27,000 |
| 4 | Vidya J | Performance Improvement for Institutional Development | 7-10March 2017 | ESCI Hyderabad | 27,000 |
| 5 | Sheeba | Performance Improvement for Institutional Development | 7-10March 2017 | ESCI Hyderabad | 27,000 |
| 6 | Sheeja | Performance Improvement for Institutional Development | 7-10March 2017 | ESCI Hyderabad | 27,000 |

Decision: The BoG approved the plan

4.4 IIC Action plan for the next two months by CS Department

The Table shows the IIC action plan of the CS Department

Table 4.3 IIC for the months of Feb and march 2017- CS Dept

| Sl No | Name of Lecture | Expert/Industry involved | No of days | Propo sed days | Targ et UG/ PG | No of stud ents | Expected Expense |
|--------------|------------------------------------|---|------------|----------------|----------------|-----------------|------------------|
| 1 | Web Designing | Seaview Support System Pvt. Ltd. Technopark | 3 | Feb-17 | UG | 50 | 35,000 |
| 2 | Image processing Using PYTHON | Softtex digital private limited Technopark | 2 | Mar-17 | UG | 50 | 20,000 |
| 3 | Web Application Programming - PHP | Seaview Support System Pvt. Ltd. Technopark | 2 | Feb-17 | UG | 50 | 25,000 |
| 4 | Web Application Development - ject | ACCEL Technologies, Technopark | 3 | Feb-17 | UG | 50 | 35,000 |
| 5 | Big Data Analytics with Hadoop | Technopark | 1 | Mar-17 | UG | 50 | 15,000 |
| Total | | | | | | | 1,30,000 |

Decision: The BoG approved the action plan

4.5 Action Plan for the remaining period

The action plan for expenditure for the remaining two months is given in the Table below.

Table 4.4 Action Plan for the remaining two months

| Sl No | Category of Expenditure | Expenditure till date (Rs in Lakhs) | Month of February 2017 (Rs in Lakhs) | Month of March 2017 (Rs in Lakhs) | Total Amount (Rs in Lakhs) |
|-------|---------------------------------|-------------------------------------|--------------------------------------|-----------------------------------|----------------------------|
| 1 | Procurement | 555.60 | 2.76 | -- | 558.36 |
| 2 | Teaching Assistantship | 131.6 | 4.08 | 8.16 | 143.84 |
| 3 | R and D | 20.86 | 0.5 | 0.5 | 21.86 |
| 4 | Faculty and Staff Development | 146.29 | 10.05 | 11.2 | 167.54 |
| 5 | Industry Institute Interaction | 9.17 | 1.9 | 1.7 | 12.77 |
| 6 | Management Capacity Development | 6.65 | 0.4 | 0.4 | 7.45 |
| 7 | Implementation of Reforms | 8.99 | 8.5 | 0.5 | 17.99 |
| 8 | Student Support | 13.35 | 7.5 | 5.5 | 26.35 |
| 9 | Incremental Operating Cost | 51.39 | 2.2 | 5.8 | 59.39 |
| | Grand Total | 943.96 | 37.89 | 33.76 | 1015.55 |

Decision: The BoG took note of the action plan for the remaining two months and approved it. The BoG also ratified and approved the allocations made in different heads of expenditure.

The meeting came to an end at 1.45 pm

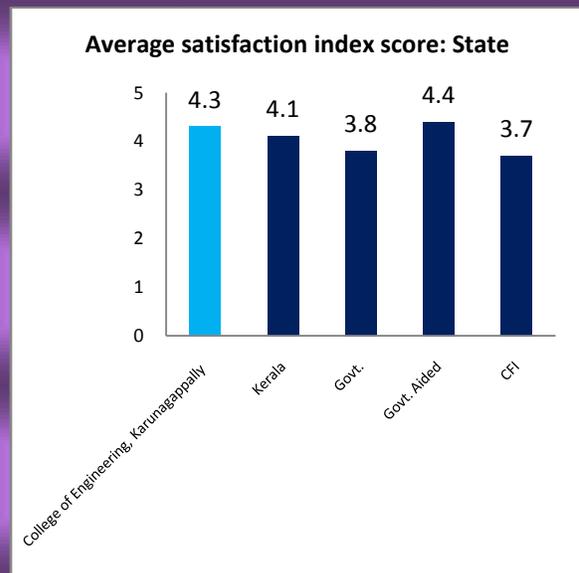
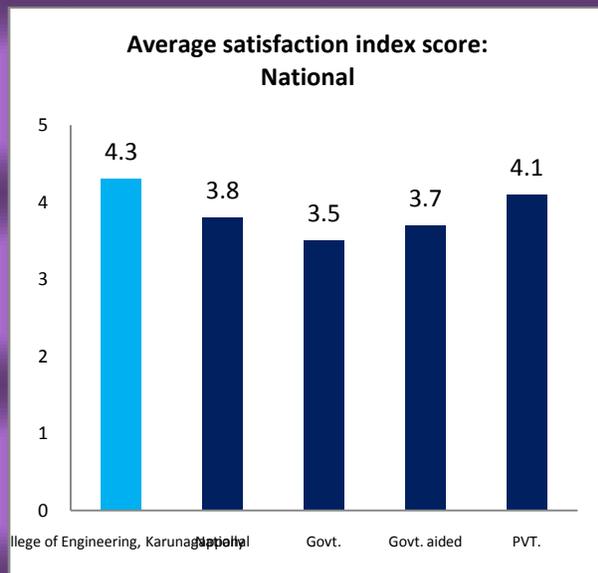
Dr.V P N Nampoori
Chairman

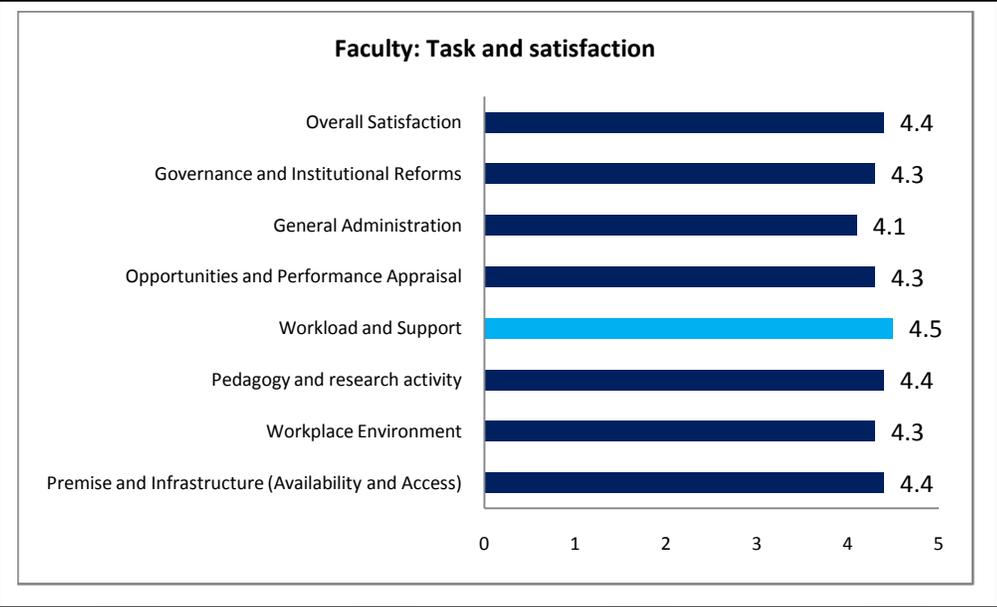
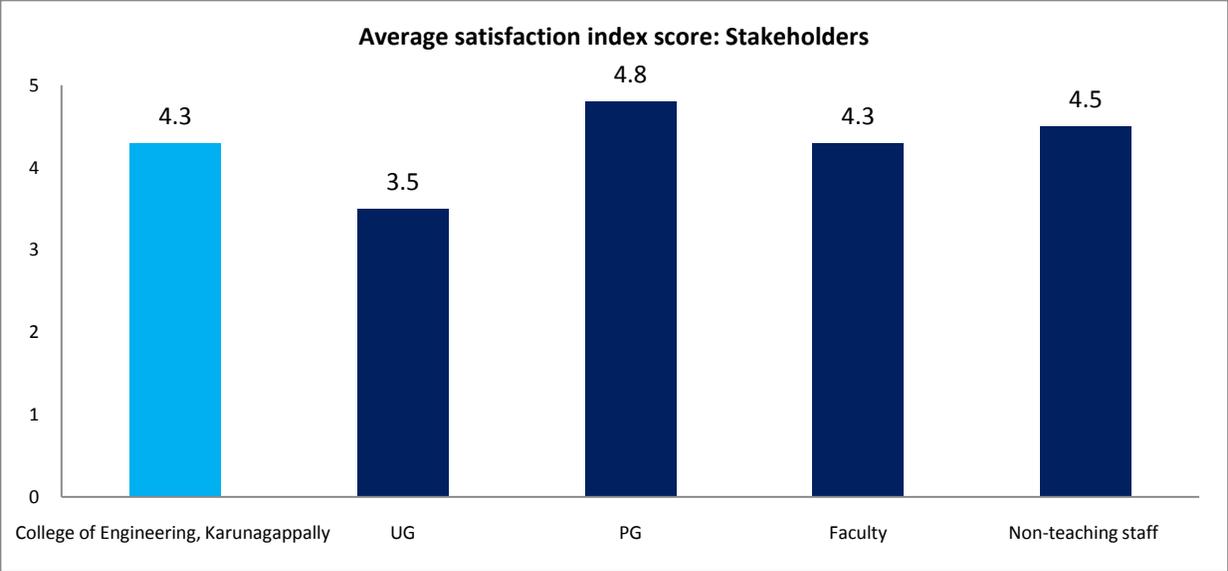
Dr.Jaya V L
Principal

Annexure 2

College of Engineering, Karunagappally, Kollam- Kerala

- College of Engineering, Karunagappally's satisfaction index score (4.3) exceeds the national average (3.8) for TEQIP-II institutions by 10% points.
- College of Engineering, Karunagappally's satisfaction index score (4.3) exceeds the state average (4.1) for TEQIP-II institutes by 4%.
- PG students at College of Engineering, Karunagappally are the most satisfied.
- UG students are the least satisfied.

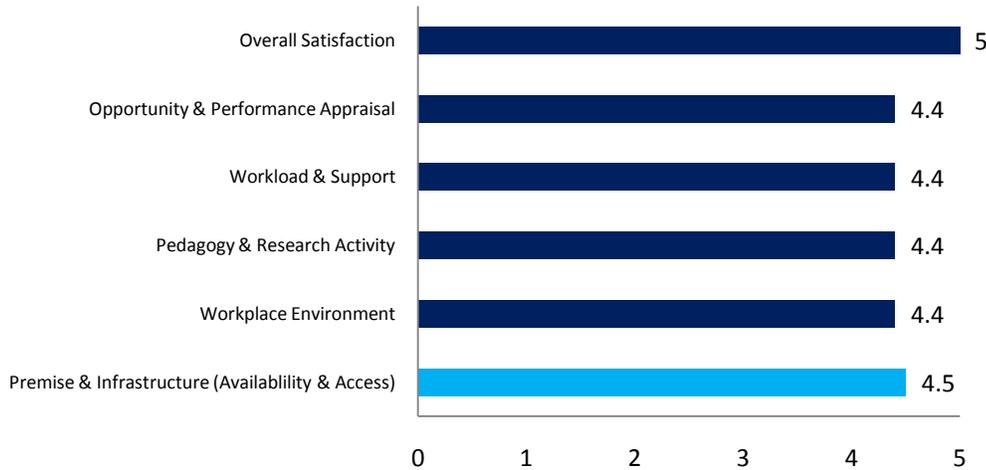




Faculty were asked to rate their satisfaction level. The key findings are:

- Faculty in general are satisfied (score=4.3).
- Amongst various parameters the top scoring satisfaction goes to (i) workload and support (satisfaction score 90%).

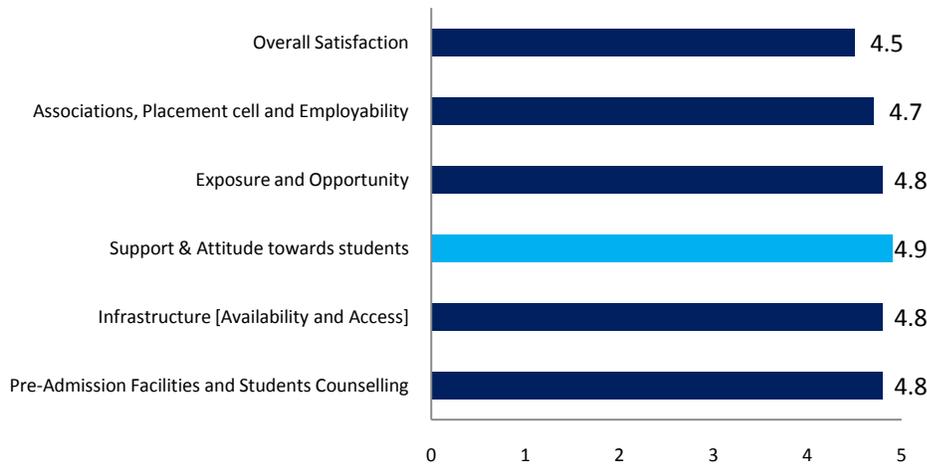
Non-teaching staff: Task and satisfaction



Non-teaching staff were asked to rate their satisfaction level. The key findings are:

- Non-teaching staff in general are very satisfied (score=4.5).
- Amongst various parameters the top scoring satisfaction goes to premise & infrastructure (availability & access) (satisfaction score 90%).

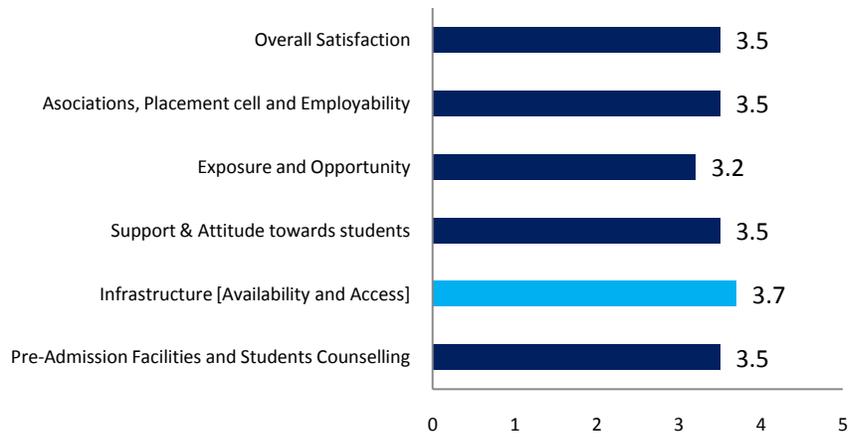
PG students: Task and satisfaction



PG students were asked to rate their satisfaction level. The key findings are:

- PG students in general are very satisfied (score=4.8)
- Amongst various parameters the top scoring satisfaction goes to support & attitude towards students (satisfaction score 98%).

UG students: Task and satisfaction



UG students were asked to rate their satisfaction level.

The key findings are:

- UG students in general are satisfied (score=3.5).
- Amongst various parameters the top scoring satisfaction goes to infrastructure (availability & access) (satisfaction score 74%).