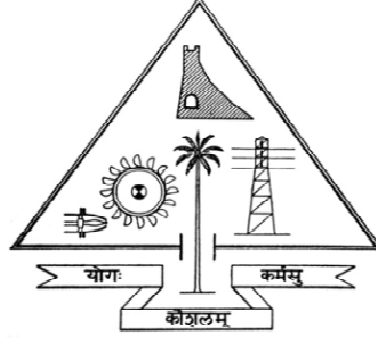


**17<sup>th</sup>**  
**Meeting of Board of Governors**



**Government Engineering College**  
**Trichur-680 009**

**On**  
**24<sup>th</sup> September 2016 Saturday at 11.00 AM**  
**In the Conference Hall**

**AGENDA**

# 17<sup>th</sup> MEETING OF BOARD OF GOVERNORS

ON 24.09.2016 AT 11.00 AM, IN THE CONFERENCE HALL, GEC, THRISSUR

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## Detailed Agenda Notes

### 1. Confirm the Minutes of the 16<sup>th</sup> Meeting of the Board of Governors held on 18/06/2016

A copy of the Minutes of 16<sup>th</sup> Board of Governors meeting held on 18/06/2016 is appended as *Annexure 1* for confirmation

### 2. Review the actions taken report on the decisions in the 16<sup>th</sup> Meeting of the Board of Governors

The decisions taken by the Board as recorded in the Minutes of the 16<sup>th</sup> Meeting of the Board of Governors of TEQIP Phase II held on 18/06/2016 have been noted. A report on the action taken is presented in *Annexure 2*.

### 3. Approval of new package under Civil Works

One new proposal has been initiated under Civil works for an amount of 4.32 Lakhs and required approval from BoG.

### 4. Assistantships under TEQIP-II

- a) 48 M.Tech Students (2016 admission) had submitted applications for Non-gate Scholarship under TEQIP-II, Rs.8000/- per month up to the project period. Approval is sought for the release of assistantship.
- b) 9 PhD research scholars admitted under TEQIP-II have submitted a request for enhancing their assistantship amount from Rs.18000/- to 28000/- as per the order F.No.17-2/2014-TS I dated 18.02.2015. of MHRD, with retrospective effect.

### 5. Presentation of research papers in international/national conferences in India

- a) Faculty members and the PG students presented their papers in conferences and the list is attached as *Annexure 3* for ratification.
- b) The research papers of Faculty members and the PG students have been accepted in various conferences and they are submitted as *Annexure 4* for the approval from BoG.

## **6. External training programmes & in house Short Term Training Programmes**

- a) Some of the faculty members had attended external training programmes with the consent letter from BoG Chairman. So ratification is required in this matter. (Details are shown in *Annexure 12, Table 2*)
- b) A few Short Term Training Programmes were conducted with the consent letter from BoG Chairman. So ratification is required in this matter. (Details are shown in *Annexure 12, Table 4*)
- c) The plan of External training programmes to be attended by the faculty and staff during September/October 2016 is given as *Annexure 5 & Annexure 6* respectively for the approval from BoG
- d) The planned in house Short Term Training Programmes during September/October 2016 are given as *Annexure 7* for the approval from BoG.

## **7. III Cell activities during September/October 2016**

- a) ECE Department organized an executive talk on 'Embedded systems' by Mr. Anish Sathyan, Scientist C from CDAC, Thiruvanthapuram on 19/09/2016. This is to be ratified as this was not included in the previous plan.
- b) Four executive talks were planned in the last BOG Meeting. Two programmes each from EEE and Chemical Engineering Department. Due to non availability of the resource persons and busy schedule these programmes are postponed to the month of September and October 2016.
- c) The activities planned during September/October 2016 are given as *Annexure 8* for the approval from BoG.

## **8. Remedial/bridge classes during Sept./October 2016**

The planned for remedial/bridge classes during September/October 2016 is given as *Annexure 9* for the approval from BoG.

### 9. Reallocation of funds under TEQIP-II.

The funds are to be reallocated as per the table given below. It is prepared based on the planned activities under each activity heads to meet 100% of expenditure. Approval from BoG is sought for the same.

Sl. No	Activity of Expenditure	Total Budget Provision out of Rs. 1000 Lakh	Budget reallocated in the last BoG	Budget to be reallocated to meet 100% expenditure
1	Improvement in teaching, training and learning facilities – Procurement	550	550	550
2	Assistantship for increased enrolment in existing and new PG	100	96	108
3	Enhancement of R&D and Institutional Consultancy activities	20	86	80
4	Faculty and Staff Development (FSD)	100	112	120
5	Enhanced Interaction with Industry	40	10	10
6	Institutional Management Capacity Enhancement	30	25	24
7	Academic Reforms	20	59	46
8	Academic Support for weak students	40	22	18
9	Incremental Operating Cost	100	52	57
	<b>Total</b>	<b>1000</b>	<b>1012</b>	<b>1013</b>

## 10. NBA accreditation

- a) Applied for all the 7 UG Courses and 4 PG Courses. As per the new guidelines of NBA pre-qualification has to be taken, before going for the actual accreditation process. So approval from BoG is sought for the remittance of fee for the pre-qualification of the following 6 PG courses.
- Water Resources and Hydro informatics
  - Computer Science and Engineering
  - Power Electronics
  - Communication Engineering and Signal Processing
  - Internal Combustion Engines and Turbo Machinery
  - Manufacturing system Management
- b) Approval of vision of the institution

## 11. Distribution of appreciation letters for the remarkable achievements

- I. For starting the joint venture “CRABWRIST AUTOMATION TECHNOLOGIES” under TBI, Government Engineering College Thrissur.
- 1) Sreerag V S, S7, CE Dept.
  - 2) Akshay P S, S7, ECE Dept.
  - 3) Ashfaq Anwar C K, S3, MCA Dept.
  - 4) Arun Jishnu, S5, CSE Dept.
- II. For winning third prize at the ‘Info Graphics Competition’ in ‘IEEE Region 10 Asia pacific congress’
- 1) Athira E.R.,S7, EEE
  - 2) Emmanuel Kalookaren, S5, ECE
  - 3) Fasil K.V.,S5 ECE
  - 4) N Lakshmi, S5, ECE
  - 5) Najla Fathina, S7, CSE
  - 6) Swaraj P.,S7, ECE
- III. For starting the joint venture “DIFtech Labz” under TBI, Government Engineering College Thrissur
- 1) Syam Pradeep, S5, EEE
  - 2) Fasil K.V., S5, ECE
- IV. Sidharth V., S5, CSE Successfully developed & deployed Admission Management System for spot admission for B.Tech. in GEC,Thrissur
- V. The project titled, ‘Smart Water Management System’, by following students of S5 CSE was selected by TCS as one of top 5 projects out of 1000 projects (All India Level).
- 1) Felix Josemon
  - 2) Sagara Sasikumar
  - 3) Irshad P I
  - 4) Rohit Sunil

## **12. Presentation of Activity Reports**

- I.** Procurement & Civil Works. *Annexure 10*
- II.** Academics *Annexure 11*
- III.** Training *Annexure 12*
- IV.** III Cell *Annexure 13*
- V.** Equity Assurance Programme (EAP) and Finishing school *Annexure 14*
- VI.** Finance *Annexure 15*

## **13. Presentation by Head of Chemical Engineering department**

### **14. Any other item permitted by the chair**

- a) One application is received from Manilal A.M., Asst. Professor in Chemical Engineering department for international travel under ITSS to present his paper titled “Removal of oil and grease from automobile garage wastewater using electrocoagulation” in the 29<sup>th</sup> Symposium of Malaysian Chemical Engineers to be held from 1-3 December 2016, Miri, Sarawak Malaysia.

**MINUTES OF 16<sup>th</sup> BOARD OF GOVERNORS MEETING HELD  
ON 18.06.2016 AT 10.30 AM  
IN THE CONFERENCE HALL, GEC, THRISSUR**

**Agenda**

1. Confirm the Minutes of the 15<sup>th</sup> Meeting of the Board of Governors held on 11/03/2016.
2. Review the actions taken report on the decisions in the 15th Meeting of the Board of Governors.
3. To consider the Assistantship to MTech Students (2015 Admission) from September 2015 to March 2016.
4. Ratification for the presentation of research papers in international conferences
5. Approval for the presentation of research papers in international/national conferences in India.
6. To consider the submission from Mubarak A K, Asst. Professor in ME department for conducting the research experiments at IIT Madras.
7. Ratification for the in-house Short Term Training Programme conducted
8. Approval of External training plan from July to September 2016.
9. Approval of in house Short Term Training Programmes planned during the period from July to September 2016.
10. Approval of plan for the conduct of remedial/bridge classes during the period from July to September 2016.
11. Approval of III Cell activities planned from July to September 2016.
12. Reallocation of funds under TEQIP-II.
13. Reporting the Minutes of Review meeting held on 02/06/2016 at Trivandrum.
14. To consider the ITSS Applications received from
  - I. Dr. E. A. Jasmine, asst. Professor in EEE dept.
  - II. Ms. Shibily Joseph, PhD Scholar in EEE dept., also Asst. Professor in CSE dept.
15. Approval of Academic Advisory Committee.
16. Approval of Internal Quality Assurance Committee.
17. Approval of new package under Procurement- Data Acquisition Card.
18. Enhancement of consolidated salary to the staff in TEQIP Office
19. To consider the accreditation of MTech Courses started after 2010.
20. Distribution of appreciation letter for creditable achievements
  - i. Premkumar, Computer Programmer in Computer Science & Engg. dept. for the contribution to QEEE Programme.
  - ii. Dr. Manjithkumar. B. , Assoc. Professor in Production Engg. department for the excellent achievement in placement during the academic year 2015-16.
  - iii. Anand V.U., BTech Student, ME dept. (2012 Admission), 16 th Rank Holder in GATE 2016.
  - iv. Manoj R, Seed Money Project investigator from Physics dept for obtaining sponsored research project from the funding agency.
21. Presentation of Activity Reports by Nodal Officers
22. Presentation by Head of Electronics & Communication Engg. department
23. Any other item permitted by the chair



## Members Present

1. Dr. M. Chidambaram, Professor, IIT, Madras (Chairman)
2. Dr. Satish Vasu Kailas, Professor, IISc, Bangalore
3. Dr. A. Sukesh Kumar, Mentor, GEC, Thrissur (Invitee)
4. Dr. K.R.S. Krishnan, Senior Vice President, HLL Life Care Ltd., Thiruvananthapuram
5. Dr. K. Vijayakumar, Director of Technical Education
6. Sri. M. G. Ranjith Kumar, Deputy Secretary to Government, Higher Education Department
7. Dr. K. P. Indiradevi, Principal, GEC, Thrissur.
8. Prof. Mary. C. Kurian, Professor, Department of Production Engineering
9. Dr. Sajikumar N., Professor, Department of Civil Engineering.
10. Dr. Nandakumar M., Professor, Department of Electrical and Electronics Engineering.
11. Mr. Sajin R.S., Head Accountant representing Director, State Project Facilitation Unit, Thiruvananthapuram (Invitee)

Sri. Prasad K Panicker, Executive Director, BPCL, Kochi, and Mr. James Joseph, Joint Secretary to Government, Finance Department have informed their inability to attend the meeting due to preoccupations,

Prof. M. Chidambaram, Chairman BoG, presided over the meeting.

The Principal welcomed the members and in her address thanked all the faculty, staff and students who were instrumental in securing the second position in the state in the financial expenditure review meeting organized in Trivandrum on 2<sup>nd</sup> June, including Dr. K. Vijayakumar, the DTE, the former principal and Prof. T. Krishnakumar, the former TEQIP coordinator.

### *Following decisions were taken at the meeting.*

#### **1. Confirmation of the Minutes of the 15<sup>th</sup> meeting of Board of Governors**

The draft minutes of the previous meeting held on 11/03/2016 was circulated to all members and comments and suggestions were invited. Since there were no comments on the minutes from any member, it was confirmed.

#### **2. Report on the action taken on the decisions in the 15<sup>th</sup> meeting of Board of Governors held on 11/03/2016.**

Reviewed the actions taken on the decisions in the 15<sup>th</sup> meeting of the Board of Governors and the following suggestions are noted for further actions.

<b>Agenda Item No: 2- ATR (Action Taken Report) on the decisions in the 15<sup>th</sup> BoG.</b>				
<b>No.</b>	<b>Decision Item</b>	<b>Action Taken</b>	<b>Observation/ Suggestion/ Action by BoG</b>	<b>Action by</b>
<b>1</b>	Distinguished Alumni Award	The list of Distinguished Alumni has been collected from the departments. Guidelines framed were presented.	The committee for the selection of distinguished alumni has to include external members, preferably from outside the state. BoG chairman also suggested to invite nominations through the website.	Principal
<b>2</b>	Remedial classes	Remedial classes were conducted for the following subjects. 1. Introduction to Computing & Problem solving. 2. Calculus	The material used for the conduct of remedial classes should be uploaded on the website of the institution.	Nodal Officer - EAP
<b>3</b>	Academic support to weak students	Directions were given to all the HoDs to give thrust to identification and implementation of specialized programs for the weak students.	BoG suggested to give refreshments for attracting students for remedial classes. Also to promote the culture of peer groups to teach such students. Such student teachers should be encouraged with an appreciation letter or book voucher.	HoDs
<b>4</b>	Visiting executive programmes and Industrial training to faculty / students	Under the purview of existing MoUs, Student Projects have been done in the following industries : SIFL- Thrissur, BPCL- Kochi, CMET- Thrissur, FACT Udyogamandal & KEL Cochin, .	Noted	
<b>5</b>	Letters of appreciation to students	Letters of appreciation will be distributed in suitable functions.	Noted	
<b>6</b>	Students internship in industries	Enquired over phone and got Oral instruction from SPFU Director.	Noted	
<b>7</b>	NBA Accreditation	College website updated accordingly.	Mentor Dr. Sukesh Kumar expressed concern over the slow progress in updating and impressed upon all to give it the topmost priority.	HoDs

### **3. To consider the Assistantship to MTech Students (2015 Admission)**

It was decided to disburse the arrear amount to the students from the date of commencement of first semester classes to 10.03.2016. A student with arrears will have to clear the papers to continue receiving the assistantship. Also a satisfactory progress report from the department stating that he/she has engaged minimum of 8 hours of teaching/research assistantship per week has to be submitted.

### **4. Ratification for the presentation of research papers in international conferences**

Ratified the papers presented in international conferences as per the list given in **Annexure 1**.

### **5. Approval for the presentation of research papers in international conferences in India.**

BoG approved the research papers accepted in international conferences within India as in **Annexure 2**.

### **6. To consider the submission from Mubarak A K, Asst. Professor in ME department for conducting the research experiments at IIT Madras.**

BoG decided to reimburse the expenses incurred for conducting the research experiments at IIT Madras during the period from 18/04/2016 to 01/05/2016. Also directed to submit the detailed proposal on the research project and to bring back the components used there in the labs in IIT Madras to this college for keeping them in the concerned labs in the department.

BoG approved the submission from Mubarak A K, Asst. Professor in ME department for the conduct the research experiments at IIT Madras during the period from 11/07/2016 to 25/07/2016, limiting the expenses to Rs.30000/-.

### **7. Ratification for the in house Short Term Training Programme conducted and external training attended.**

BoG ratified the conduct of Short Term Training Programme on 'Familiarization and maintenance of sophisticated electronic laboratory equipment' during 15<sup>th</sup> to 17<sup>th</sup> June 2016, coordinated by Gladwin Jose K T, Asst. Professor in ECE dept. Estimated Expenditure Rs.35000/-

BoG ratified the external training programme attended by Rajeesh P, Trade instructor in Chemical Engineering department on 'Content Management system with LINUX' at GEC Kozhikode during 08-12 March 2016. Total expenditure: Rs.1900/-.

## 8. Approval of External training plan from July to September 2016.

BoG approved the external training plan from July to September 2016 as per **Annexure 3**.

## 9. Approval of in-house Short Term Training Programmes planned during July to Sept 2016

BoG approved the in-house short term training programmes planned during the period from July to September 2016 as given in **Annexure 4**.

## 10. Approval of plan for the conduct of remedial/bridge classes

BoG approved the plan for remedial/bridge classes from July to September 2016 (**Annexure 5**)

As per the suggestion of previous BoG, it is proposed to conduct diagnostic test in communicative English for S1 B.Tech students (2016 admission). It is also planned to start remedial/bridge classes in communicative English for the weak students under EAP during the period from August to September 2016. No. of hours planned for a batch is 8/month. Approximate Expenditure Rs.96000/-

## 11. Approval of III Cell activities planned

BoG approved the III Cell activities planned from July to September 2016 as in **Annexure 6**

## 12. Reallocation of funds under TEQIP-II.

As per the expected expenditure in the various heads, funds under TEQIP-II are reallocated as given below and it was approved by the BoG.

Sl. No	Activity of Expenditure	Total Budget Provision out of Rs. 1000 Lakh	Reallocated Budget with interest approved in the 15 <sup>th</sup> BoG meeting	Reallocated Budget with interest approved in the 16 <sup>th</sup> BoG meeting
1	Improvement in teaching, training and learning facilities – Procurement	550	550	550
2	Assistantship for increased enrolment in existing and new PG	100	91	96
3	Enhancement of R&D and Institutional Consultancy activities	20	79	86
4	Faculty and Staff Development (FSD)	100	104	112
5	Enhanced Interaction with Industry	40	12	10
6	Institutional Management Capacity Enhancement	30	24	25
7	Academic Reforms	20	59	59
8	Academic Support for weak students	40	40	22
9	Incremental Operating Cost	100	52	52
	<b>Total</b>	<b>1000</b>	<b>1011</b>	<b>1012</b>

### **13. Reporting the Minutes of Review meeting held on 02/06/2016 at Trivandrum.**

The proceedings of the meeting referred above were reported in the BoG. The highlight was on the congratulation made by the Principal Secretary, Higher education department to the TEQIP team of Govt. Engg. College, Thrissur on the realistic plan presented therein for future expenditure pattern for 101 lakhs in the remaining 5 months.

### **14. To consider the ITSS Applications received from**

- I. Dr. E. A. Jasmine, Asst. Professor in EEE dept.
- II. Ms. Shibily Joseph, PhD Scholar in EEE dept., also Asst. Professor in CSE dept.

It was decided to follow the latest guidelines issued in this regard by NPIU and communicated by the SPFU, namely to fund the ITSS proposals for plenary sessions and invited talk sessions only. Accordingly the proposals are now deferred.

### **15. Approval of Academic Advisory Committee**

The committee constitution in all Engineering departments, except Production Engineering department has been approved and given in **Annexure 7**

### **16. Approval of Internal Quality Assurance Committee**

It was decided to give approval for the committee constituted as given below:

1. Prof. Manmohan ( ME)
2. Dr. Jasmin (EE)
3. Prof. Ajeesh ( ChE)
4. Prof. Minimol Pius (CE)
5. Prof. Nelson (ECE)
6. Prof. Ajay James (CSE)
7. Prof. Sunil D.T. (PE)
8. Dr.G. Venugopal ( ME ) Coordinator
9. Dr. Soloman (ChE) Co-coordinator

### **17. Approval of new package under Procurement- Data Acquisition Card.**

BoG approved the new package 'Data Acquisition Card' estimated to cost Rs. 5.59 Lakhs

### **18. Enhancement of consolidated salary to the staff in TEQIP Office**

BoG directed to forward the request letters received from Staff in TEQIP Office for the enhancement of consolidated salary as per pay revision 2016 implemented by Govt. of Kerala to State Steering Committee through SPFU.

## **19. To consider the accreditation of M.Tech Courses started after 2010.**

Regarding the Accreditation process, Dr. Sukesh Kumar A., Mentor, TEQIP-II, conveyed to all the HoDs and Coordinators the urgent need to update college website and asked them to make sure that they are consistent with the data presented to the NBA in the SAR. It is decided to conduct the 'Mock Accreditation' during last week of July 2016.

## **20. Distribution of appreciation letter to**

- I. Premkumar M P , Computer Programmer in Computer Science & Engg. dept. for the contribution to QEEE Programme.
- II. Dr. Manjithkumar. B. , Assoc. Professor in Production Engg. Department for the excellent achievement in placement during the academic year 2015-16.
- III. Anand V.U., BTech Student, ME dept. (2012 Admission), 16 th Rank Holder in GATE 2016.
- IV. Manoj R, Seed Money Project investigator from Physics dept for obtaining sponsored research project from the funding agency.

Appreciation letters were distributed on behalf of the BoG by the chairman. The award to Dr. Manjith Kumar B was received by HoD, PE department in his absence. BoG directed to prepare a report on the strategy adopted for the increase in placement during the academic year 2015-16 and place in the next meeting.

## **21. Presentation of Activity Reports by Nodal Officers**

### **21.1. Report on the activities of the Academic unit**

Dr. Tara Raveendran presented the report on academics. She reported the list of papers presented by faculty and students in conferences. She reported that 3 Nos. of papers were accepted in international journals, 27 Nos. of papers were presented/accepted in international conferences and 8 papers were presented/accepted in national conferences during the period from 11<sup>th</sup> March to 18<sup>th</sup> June, 2016. A department wise split up of this data was also reported.

The placement details were also presented. 333 student from UG and 21 students from PG got placed through campus placement. The recruiters include multinational giants like TCS, UST Global, ORACLE, Accenture, Tata Eleksi, Q Bust, Yahoo as the major ones.

BoG suggested to find out those students placed outside the campus placement process and also the number of students placed in core companies.

The transition rate for M.Tech students of the 2015-16 batch under Kerala Technology University was presented.

## 21.2. Report on the activities of the Procurement unit.

*Prof. K.V. Manojkumar, Nodal Officer* presented the report on procurement.

He reported that one item, Fire and Safety System with package No.185 amounting to Rs.5.85 Lakhs, is in pipeline stage (Quotations invited) and one new package Data Acquisition Card is submitted for approval. The total expenditure incurred under procurement is 538.05 Lakhs and 0.81 Lakhs committed for the purchase of Flatbed Scanner with package No. 184.

## 21.3. Report on the activities of the Equity Assurance Program unit.

*Prof. K.N. Chandrabose, Nodal Officer* presented the report on Equity Assurance Programme activities.

He included the details of remedial classes conducted as in the table below:

<b>Subject</b>	<b>Faculty</b>	<b>No. of hours</b>	<b>No: of students Registered</b>	<b>No: of students attended</b>
Introduction to Computing & Problem solving	Joby N J	15	11	6
Calculus	Sariga Mohan M	3	10	5
Introduction to chemical Engineering	Solomon P A	15	2	2

## 21.4. Report on the activities of the Training unit

*Prof. Jose Sebastian T.K., Nodal Officer* presented the report on training activities

He presented the external training programmes (under TEQIP) attended by the faculty members and in house short term training programmes conducted during the period from 11/03/2016 to 17/06/2016.

## 21.5. Report on the activities of the III Cell

*Prof. Manoj N, Member III Cell*, presented the report on activities of III Cell in the absence of the III Cell coordinator for the period from March 2016 to June 2016.

He reported that 3 one day expert talks (1 in CSE and 2 in CE) have been conducted.

He also reported that 7 students have done academic projects in industry, 443 students have gone for industrial training, 278 students undertook industrial visits and 76 students gone for internship.

## 21.6. Report on Finance.

*Dr. P. Reji, Nodal Officer* presented the report on finance with the statements showing the TEQIP Fund utilization status and the four funds position as on 31/05/2016 as given below:

### TEQIP Fund Utilisation

Sl. No.	Activity of Expenditure	Total Budget Provision (Rs. 1000 Lakhs)	Reallocated Budget approved in 15 <sup>th</sup> BoG meeting	Expenses as on 31.05.2016	Committed Expenditure as on June 2016	Total
1	Improvement in teaching, training and learning facilities – Procurement	550	550	538.05	0.81	538.86
2	Assistantship for increased enrolment in existing and new PG	100	91	67.73	7.62	75.35
3	Enhancement of R&D and Institutional Consultancy activities	20	79	73.84	4.96	78.80
4	Faculty and Staff Development (FSD)	100	104	104.97	0.55	105.52
5	Enhanced Interaction with Industry	40	12	6.45	0.90	7.35
6	Institutional Management Capacity Enhancement	30	24	22.68	0	22.68
7	Academic Reforms	20	59	44.23	0.4	44.63
8	Academic Support for weak students	40	40	14.99	0	14.99
9	Incremental Operating Cost	100	52	36.95	1	37.95
		1000	1011	909.89	16.24	926.13

Total fund Received from SPFU : 1000.00 Lakhs  
Fund utilization : 909.89 Lakhs  
Expenditure including Advance and Committed Expenditure : 926.13 Lakhs  
Interest from Project fund : 12.47 Lakhs

### Amount in four Funds

- Corpus Fund :Rs. 487150.00
- Faculty & Staff Develop. Fund :Rs. 1852504.00
- Maintenance Fund :Rs. 488539.00
- Equipment replacement :Rs. 615804.00

She also presented the MFMR (Monthly Financial Management Report) for the month of May 2016.



**22. Presentation of activities by Head of the Department of Electronics & communication Engineering.**

**Prof. Mrinalini. C. P.** presented the activities of the Dept of ECE. The BoG instructed the department to apply for a patent in the research work done by the professor. It is decided that next presentation is to be made by the Head of the department, Chemical Engineering.

**23. Any other item permitted by the chair**

- i. Dr. Sajikumar presented the shortage of faculty in professor cadre in the civil engineering dept. and mentioned that it may affect on accreditation. The BoG suggested to represent the matter to Government.
- ii. Ratified the decision made by the Chairman issuing sanction to Dr. K.P. Indiradevi, Dr. N.Sajikumar, Dr. M. Nandakumar for attending the ‘Self Awareness Higher Goals in Education – SAHGE 2016’ held at IIT Madras during 30/05/2016 to 03/06/2016.
- iii. With respect to the submission received from Mr. Sivan P.P, Asst. Professor, CE dept. and Mr. Sminesh C.N., Assoc. Professor in CSE dept. for the reimbursement of tuition fee for undergoing PhD course, it is decided to reimburse the tuition fee for the year 2015-16.
- iv. BoG sanctioned the revised budget amount Rs.46250/- for the conduct of workshop on ‘ISO:9001 Internal Quality Audit’ during 27-29 June 2016.
- v. BoG approved the proposal for taking Annual Maintenance Contract (AMC) for ‘Rheometer’ purchased under NCB from Anton Paar India Pvt. Ltd. for an amount Rs.96180/- for one year.
- vi. It is decided that next BoG meeting is to be conducted on 24/09/2016, Saturday.

**Meeting came to an end at 3.30 PM with thanks to the chairman and members.**

*Annexure 2*

**Report on the action taken on the decisions in the 16<sup>th</sup> meeting of Board of Governors held on 18/06/2016.**

<b>No.</b>	<b>Decision Item</b>	<b>Observation/ Suggestion by BoG</b>	<b>Action Taken</b>
<b>1</b>	Distinguished Alumni Award	The committee for the selection of distinguished alumni has to include external members, preferably from outside the state. BoG chairman also suggested to invite nominations through the website.	Willingness of Dr. Sumam David, Dr. Vinod (Director, MIT) and Dr. Saji Gopinath, Dean MBA, Bennett University, Delhi sought for inclusion in the committee. All of them have accepted the invitation. Principal and Secretary, Alumni Association also to be included. Web site of the college updated with the call to the award.
<b>2</b>	Remedial classes	The material used for the conduct of remedial classes should be uploaded on the website of the institution.	Materials have been collected and steps have been taken to update the website accordingly.
<b>3</b>	Academic support to weak students	BoG suggested to give refreshments for attracting students for remedial classes. Also to promote the culture of peer groups to teach such students. Such student teachers should be encouraged with an appreciation letter or book voucher	Peer group tutors are identified and remedial classes conducted to teach weak students. Collected the list of student teachers and they shall be encouraged with an appreciation letter in a suitable function.
<b>4</b>	NBA Accreditation	Mentor Dr. Sukesh Kumar expressed concern over the slow progress in updating and impressed upon all to give it the topmost priority.	All department web pages are updated to reflect the current status.
<b>5</b>	Campus placement	BoG directed to prepare a report on the strategy adopted for the increase in placement during the academic year 2015-16 and place in the next meeting.  BoG suggested to find out those students placed outside the campus placement process and also the number of students placed in core companies.	Placement officer submitted the report for the perusal of BoG.  Data collection of Students placed outside the campus placement process is in progress. 60 students placed in core companies out of 333 B.Tech students placed during 2015-16.

**Annexure 3**  
**List of papers presented in conferences**

<b>Paper Presentation- Faculty</b>								
<b>Sl. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Dept.</b>	<b>Paper Title</b>	<b>Date</b>	<b>Conference</b>	<b>Place</b>	<b>Amount</b>
1	Dr. V R Rajeev	Asso. Prof.	ME	A Statistical Study on the Dry Wear and Friction Characteristics of Al-12.6Si-3Cu-(2-2.6wt.%) Ni Piston Alloys	29-30 July 2016	International Conference on Processing of Materials, Minerals and Energy: PMME-2016	PACE Institute of Technology and Sciences, Andhrapradesh	3,600/-
<b>Paper Presentation - Students</b>								
<b>Sl. No.</b>	<b>Name</b>	<b>Dept.</b>	<b>Paper Title</b>	<b>Date</b>	<b>Conference</b>	<b>Place</b>	<b>Amount</b>	<b>Amount</b>
1	Vani.T.G	EEE	Performance Analysis of a Synchronous Generator based Hybrid Power System	1-3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-	
2	Jose.T.A	EEE	LED Modeling and Input CurrentRipple Reduction of CUK Converter using Magnetic Coupling	3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	1,710/-	
3	Greeshma Nadh	EEE	Sliding Mode Observer for Vector Control of Indiction Motor	1-3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-	

4	Sleeba Paul Puthenpurakel	EEE	Identification and Classification of Microgrid Disturbances in a Hybrid Distributed Generation System Using wavelet Transform	1-3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-
5	Kavitha S Nair	EEE	Capacitor Balancing of a Modular Multilevel Inverter using a Modulation Strategy	1-3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-
6	Syama P S	EEE	Robust Sliding Mode Controller for a Voltage Regulated Quadratic Boost Converter	3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-
7	Rose Mareema Jose	EEE	Current-Fed Switched Inverter for PV Applications	3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-
8	Swathi S B	EEE	Analysis of Active Power Control of HVDC in Damping Power Oscillations	1-3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,200/-
9	Reshmi N	EEE	Grid-Connected PV Systems with a seven-Level Inverter	3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,000/-
10	Anusree P S	ChE	Satellite Visibility Analysis over the Indian Southern Region	6-7 May 2016	3 <sup>rd</sup> National Conference on Electric Power & Power Electronics Control Systems	AU College of Engineering, Visakhapatnam	2,000/-

11	Aruna M V	ChE	Lab View Based Control of Water Distribution Networks	19 June 2016	International Conference on Emerging Trends in Engineering Technology	NIER, Chennai	5,125/-
12	Riyas K	EEE	Improved Performance of Boost Converter with Super-Twisting Algorithm under Sliding Mode Operation	3 Sep. 2016	International Conference on Next Generation Intelligent Systems	RIT, Kottayam	4,377/-
13	Swaroop C	ME	Performance and Emission Characteristics of CI Engine Fuelled with Coconut Testa Biodiesel	12-13 May 2016	International Conference on Emerging Trends in Engineering	NMAM Institute of Technology, Karnataka	3,000/-
13	Shemin Thomas Varkey	ME	A Study on the Acoustic Performance of a Reactive Muffler	3 July 2016	International Conference on Progress in Production, Mechanical and Automobile Engineering	Chennai	3,150/-
14	Manuraj T V	ME	Experimental Investigation of Effect of Composition of Biodiesel on Performance and Emission of a Compression Ignition Engine	12 May 2016	International Conference on Emerging Trends in Engineering	NMAM Institute of Technology, Karnataka	3,000/-

**Annexure 4**  
**List of papers accepted in conferences and submitted proposals for the approval from BoG**

<b>Paper Presentation- Faculty</b>								
<b>Sl. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Dept.</b>	<b>Paper Title</b>	<b>Date</b>	<b>Conference</b>	<b>Place</b>	<b>Amount</b>
1	Dr. Meera.V	Asso. Prof.	CE	Influence of Temperature and Contact Time on the Synthesis of Iron Oxide Nanoparticles for the Removal of Heavy Metals from Roof Top Harvested Rain Water	8-9 Oct. 2016	4 <sup>th</sup> International Conference on Structural and Civil Engineering 2016	Chennai	9,350/-
2	Dr. Jasmine E.A.	Asso. Prof.	EEE	A function approximation approach to reinforcement learning for solving unit commitment problem with photo voltaic sources	14-17 December 2016	IEEE international conference 'PEDES 216'	Tivandrum	20000/-

**Annexure 5**

**TRAINING PLAN for attending external training programmes by Faculty during September/October 2016**

<b>Sl No.</b>	<b>Name of Faculty/ Staff</b>	<b>Designation</b>	<b>Dept.</b>	<b>Course title</b>	<b>During (Period)</b>	<b>Training Institution</b>	<b>Course Fee</b>	<b>TA/DA</b>	<b>Total</b>
1	Anilkumar.P.S	Associate Professor	Civil	Machine Foundation Design with Hands on Practice	26th to 01st Oct 2016	GVP College of Engineering ,Vishakapattanam	5000	30000	35000
3	Dr.Subaida V.A.,	Associate Professor	Civil	Power Industry Familairazation proramme for Civil Engineering faculty and Industrial Engineers	22.09.2016-24.09.2016	KSEB,Moolamatto m,Iduki	13500	5000	18500
4	Dr.Sumam K.S,	Professor	Civil	Power Industry Familairazation proramme for Civil Engineering faculty and Industrial Engineers	22.09.2016-24.09.2016	KSEB,Moolamatto m,Iduki	13500	5000	18500
5	Smitha Mohan K.,	Associate Professor	Civil	Power Industry Familairazation proramme for Civil Engineering faculty and Industrial Engineers	22.09.2016-24.09.2016	KSEB,Moolamatto m,Iduki	13500	5000	18500
1	Jiji K. S.	Asst. Professor	EEE	High efficiency IE4 rating Induction Motor Design and Analysis using Maxwell	3 – 5 October 2016	M/s Entuple Technologies, Bangalore	30000	10000	40000
2	Sunila M.S.	Asst. Professor	EEE	Measuring Productivity in higher Education	19-22, Sept-16	NIT, Trichy	660	5000	5660

3	Sanishkumar T.G.	Assoc. Professor	EEE	“Power System, Drives and Control : Practical Aspects”	3-7, Oct-16	Model engg. College, Kochi	35000	3250	37250
4	Uma Syamkumar	Asst. Professor	EEE	“Power System, Drives and Control : Practical Aspects”	3-7, Oct-16	Model engg. College, Kochi	35000	3250	37250
4	Dr. Nandakumar M.	Professor	EEE	Application of custom power devices for power quality improvement	6-8 October 2016	NIT Jaipur	2500	25000	27500
5	Prof. Joseph K.D.	Asst. Professor	EEE	Application of custom power devices for power quality improvement	6-8 October 2016	NIT Jaipur	2500	25000	27500
6	Prof. Haryhar A.S.	Asst. Professor	EEE	Application of custom power devices for power quality improvement	6-8 October 2016	NIT Jaipur	2500	25000	27500
7	Prof. Rameshkumar P.	Asst. Professor	EEE	Modern Sliding Mode Control	26-30 October 2016	IIT Bombay	9750	15000	24750
8	RAJESH P.	Assistant Professor	Economics	Workshop on ‘Applied Financial Econometrics’.	September 19-23, 2016	University of Hyderabad	6000	30000	36000
9	Dr. Satish K. P.	Professor	Production Engg	IRCA Certified ISO 9001:2015 Auditor Transition Training Course	October 7-8 (2 days)	BSI Training Academy, Kochi	12075	5000	17075
15	Vipin Kumar K S	Asst. Prof	CSE	Digital India “Effective Utilization of Cloud Infrastructure E-Governance	04-10-2016 to 07-10-2016	ESCI, Hyderabad	34500	12000	46500
16	Swaraj K P	Asst. Prof	CSE	Digital India “Effective Utilization of Cloud Infrastructure E-Governance	04-10-2016 to 07-10-2016	ESCI, Hyderabad	34500	12000	46500
17	Rahmathulla	Asst. Prof	CSE	Cyber security best practices 2016	Oct 24-26, 2016	Engg staff college, hyd	28750	12000	29000



18	Premkumar MP	Computer Programmer	CSE	Cyber security best practices 2016	Oct 24-26, 2016	Engg staff college, hyd	28750	8000	36750
19	Sasikumar M N	Computer Programmer	CCF	Network administration: Configuring and Securing LANs and WANs	19/9/2016 to 23/9/2016	ESCI Hyderabad	28750	10000	38750
20	Sreejith P.P	Tradesman	CCF	Network administration: Configuring and Securing LANs and WANs	19/9/2016 to 23/9/2016	ESCI Hyderabad	28750	8000	36750
21	Sunny T D	Asst. Prof	ECE	Research areas in Biomedical Engineering	26-30 September 2016	IHRD Model Engineering College Thrikkakara	35000	3000	38000
22	Anish Babu K K	Asst. Prof	ECE	Research areas in Biomedical Engineering	26-30 September 2016	IHRD Model Engineering College Thrikkakara	35000	3000	38000

**Annexure 6**

**Plan for external training programmes to be attended by Technical Staff**

<b>Sl No.</b>	<b>Name of Faculty/ Staff</b>	<b>Designation</b>	<b>Dept.</b>	<b>Course title</b>	<b>During (Period)</b>	<b>Training Institution</b>	<b>Course Fee</b>	<b>TA/DA</b>	<b>Total Expenditure</b>
1	Chandrajith C V	Tradesman	Civil	Power &control Equipment Familiaration Program	27.09.2016 to 29.09.2016	KSEB,Moolamattom,Iduki	12000	5000	17000
2	Divya C P	Trade Instructor	Civil	Power &control Equipment Familiaration Program	27.09.2016 to 29.09.2016	KSEB,Moolamattom,Iduki	12000	5000	17000
3	Sivaraman R.	Trade Instructor	Civil	Power &control Equipment Familiaration Program	27.09.2016 to 29.09.2016	KSEB,Moolamattom,Iduki	12000	5000	17000
<b>Total</b>									<b>51000</b>

**Annexure 7**

**Plan for in house Short Term Training Programmes (STTPs) during September/October 2016**

<b>SI No</b>	<b>Name of Coordinator</b>	<b>Designation</b>	<b>Department</b>	<b>Course title</b>	<b>During the period</b>	<b>Days</b>	<b>Approximate Expenditure</b>
1	Bindu A.G.	Asst. Professor	CE	Environmental Forensic Investigation of Contaminated Ground Water site	17th - 19th October 2016.	3	60000
2	Rajesh P.	Assistant Professor	Economics	Data Analytics with Open Source Statistical Software	October 17 -21, 2016	5	100000
3	Mini V.	Asst. Professor	EEE	Energy Audit	17-19, Oct-16	3	60000
4	Anjana R & Padmavathy KS	Asst.Prof	CHE	Academic Research: Oppurtunities, Challenges and Present day scenario	5-7 October2016	3	80000
5	Vipin kumar K S	Asst.Prof	CSE	Outcome based Education	30th September 2016	1	20000
6	Chandrabose K N	Asst.Prof	EEE	Hands on training in Psim and Cyme Software	25-27 October 2016	3	63000
<b>Total</b>							<b>3,83,000</b>

**Annexure 8**  
**III Cell plan up to October 2016**

**Executive talks planned upto October 2016**

<b>Name of Resource Person</b>	<b>Date of Talk</b>	<b>Expected Expenses</b>	<b>Beneficiary</b>	<b>Internal coordinator</b>	<b>Dept.</b>
Ms Amritha N, Asst. Exe Enggr, Load Dispatch Centre, Kalamassery	14.10.2016	5000	B.Tech.	Dr. Jasmin E A	EEE
Smt. Lisy Augustin, Manager-Design, M/s. TELK	05.10.16	5000	100 students - B.Tech.	Dr. Jiji K.S.	EEE
PRAMOD C E, RECURSIVE LABS , THRISSUR	20.9.16	7000	FACULTIES : 5 B.TECH : 69 M.TECH 18	SMINESH C N	CSE
Dr.C.Ahammed Basha, Joint Director, Central Electro chemical Research Institute, Karaikudi.	26.9.16	20000	Faculties - 10 B.tech students- 50 M.Tech students- 15	Prof.Manoj.N	CHE
Kavitha B Panhimala	28.9.16	8000	Faculty :3 B.Tech : 69	Helen K J	CSE
Mr. Krishnakumar Rao, Scientist E, CDAC., TVM	1.10.16	6000	B.Tech and M.Tech students	Job Chunkath	ECE
Mr. Rajan O, Scientist F, NPOL, Kochi	5.10.16	7000	B.Tech	Dr. Manjith Kumar	PE
Mr. Dani Davis, Manager, Aerothermal dynamics dvision, HAL, Bangalore	5.10.16	15000	B.Tech and M.Tech	Dr. Jithes P K	ME
Mr.Dileep M,Consulting Engineer,Diseno Structural,Calicut	6.10.16	10000	Btech-100	Anilkumar P S	CE
Mr. Cyriac George, Asst. General Manager, TELK, Angamaly	6.10.16	6000	B.Tech	Rahul K R, APME	ME
Mr.Rajeevan V.K,Senior Environmental Scientist (RETD) KSPCB	10.10.16	15000	M.tech students- 18 B.tech students- 50 Faculty- 10	Mr.Manoj.N	CHE
Mr.Vijoy Lead Engineer Tata Honeywell,Bangalore	18.10.16	25000	M.Tech - 18 B.tech-50 Faculty-10	Mr.Manoj.N	CHE

Sarji R Mohemmedali, CEO, Citrus Informatics, Cochin	19.10.16	8000	B.Tech :69 M.Tech :18	Helen K J	CSE
Mr.Sibu Nalpat,Municipal Engineer ,Kalamassery.	23.09.2016	10 000	Btech-100	Anilkumar P S	CE
	<b>Total</b>	<b>137000</b>			

- Hospitality expenses for Personals from Industries for Placement Interviews – Rs 25000
- Expenses for Signing of MOUs between CDAC, TVM, Chittilappilly Sheets & Metals, Mundur and GECT – Rs 500
- Total expected expenditure – Rs 13700+25000+500 = Rs 162500 ( One Lakh Sixty two thousand five hundred Rupees)

**Annexure 9**

			<b>Proposal to 17th BoG - 24.09.2016</b>			<b>Year:</b>	<b>2016</b>	
<b>Sl. No.</b>	<b>Branch</b>	<b>Semester</b>		<b>Name of Faculty (Proposed for special class)</b>	<b>Duration of Class in Hours (Expected)</b>	<b>Month &amp; Year (Proposed)</b>	<b>No. of Students (Failed)</b>	<b>Estimated Expenditure</b>
			<b>Subject with Code</b>					
1	EE	S5	EE09 502 - Power Generation Transmission and Distribution.	KN Chandra Bose	15	Sep-16	11	9000.00
2	All Branch	S3, S5	Engineering Mathematics	Viji EP	25	September/ October16	20	15000.00
3	EE	S5	Synchronous machines	Laji	15	September/ October16	8	9000.00
4	EE	S4	Signals and Systems	Rajesh	20	September/ October16	12	12000.00

***Annexure 10***  
**Activity report – Procurement**

One item Fire and Safety Equipment with package No.185 amounting to Rs.5.64 Lakhs, is completed and one new package under Civil works amounting to Rs. 4.53 is submitted for approval. The total expenditure incurred under procurement is Rs. 544.49 Lakhs and Rs. 5.59 Lakhs committed for the purchase of Data Acquisition Card with package No. 187.

## Annexure 11

### Report on the activities of the Academic unit

Regular meetings of academic committee have been convened and academic performance of the institution was analyzed and assessed.

#### 1. Faculty Publications from 18/06/2016 (16<sup>th</sup> BoG) to: 24/09/2016 (17<sup>th</sup> BoG)

Number of papers published in international journals	- 5
Number of papers presented in international conferences	- 17
Number of papers presented in national conferences	- 2
Number of papers accepted in international conferences	- 6

*The details of the publications, department wise are presented in the Table given below:*

Name of Dept	International Journals	International conference		National conference
		Presented	Accepted	
ME	2	4	1	1
EEE	1	10	4	
CE			1	
ChE	1	1		1
PE				
CSE	1			
ECE		2		
<b>Total</b>	<b>5</b>	<b>17</b>	<b>6</b>	<b>2</b>

#### 2. Transition rate for B. Tech (KTU) in the academic year 2015-16

Transition rate (from S<sub>2</sub> to S<sub>3</sub>) in the academic year 2015-16 is 90.28%. The department-wise details are given below:

CE	EEE	ME	PE	CHE	CSE	ECE	Total
81	87	93	23	40	68	63	455
85	105	101	29	48	68	68	504
95.29	82.86	92.08	79.31	83.33	100.00	92.65	90.28



### 3. Transition rate for B. Tech (University of Calicut) in the academic year 2015-16

Success Rate ( $S_g$ ) in the academic year 2015-16 is 93.27%. The department-wise details are given below:

CE	EEE	ME	PE	CHE	CSE	ECE	Total
97	108	103	31	43	68	63	513
104	113	111	31	55	68	68	550
93.27	95.58	92.79	100.00	78.18	100.00	92.65	93.27

### 4. Pass Percentage of 2016 B.Tech pass out is 73.59 %

CE	EEE	ME	PE	CHE	CSE	ECE	Total
82	85	67	27	37	65	41	404
104	113	111	31	53	69	68	549
78.85	75.22	60.36	87.10	69.81	94.20	60.29	73.59

5. **R & D Activities:** The 9 seed money projects under TEQIP-II were completed successfully and final reports has been submitted. Members of Research & Guidance Cell (RGC) verified these reports and Dr. T. R. Sreekrishnan, Professor in IIT Delhi, Senior Research Advisor (SRA) evaluated all these projects on 23/09/2016.

**Annexure 12**  
**Activity Report- Training**

The following faculty/staff attended external training during the period from June to Sep 2016.

**Table 1**

Sl. No.	Name Designation & Dept	Title	Venue	During	Course fee	TA/DA	Total
1	Mr.Abdul Samad, Asst.Prof., ME Dept.,	Ansys Structural CFD training at	Innovent Solutions, Bangalore	25 – 29 July 2016	17250	19858	37108
2	Mr.Sajith C Subramanian., Asst.Prof., ME Dept.,	Ansys Structural CFD training at	Innovent Solutions, Bangalore	25 – 29 July 2016	17250	22043	39293

**Table 2**

**The following items required ratification in this BoG Meeting**

3	Rajeesh P Trade instructor in Chemical Engg.	Workshop on Molecular Characterization Techniques	GEC Kozhikode	03-06 Aug 2016	1500	1830	3330
4	Mr.Balakrishnan, Asst.Prof., ME Dept.,	ISTE sponsored FDP Research oriented methods and tools	NSS College of Engineering Palakkad	27 - 02 July 2016	1500	4000	5500
5	Laly M.J., Asst.Prof., EEE Dept.,	Pedagogy Training programme	IIT Madrass	18-20 August 2016	Nil	10000	10000
6	Uma Syamkumar , Asst.Prof., EEE Dept.,	Pedagogy Training programme	IIT Madrass	18-20 August 2016	Nil	10000	10000
7	Subin Poulouse, Asst Prof., ChE Dept.,	Pedagogy Training programme	IIT Madrass	18-20 August 2016	Nil	10000	10000
8	Dr.K.P.Indiradevi Principal	Self – Awareness And Higher Goals in Education”	IIT Madrass.	30 <sup>th</sup> May - 03 June	Nil	8820	8820

9	Dr.Nandakumar, Prof., EEE Dept.,	Self – Awareness And Higher Goals in Education	IIT Madrass	30 <sup>th</sup> May - 03 June	Nil	7747	7747
10	Dr.Sajikumar., Prof., CE Dept.,	Self – Awareness And Higher Goals in Education	IIT Madrass	30 <sup>th</sup> May - 03 June	Nil	8300	8300
11	Mr.Shinoj T.V., Trade Instructor, ME Dept.,	Design and Manufacturing Jigs and fixtures	Foreman Training Institute Bangalore	06 – 23 Sep 2016	3100	26900	30000
12	Mr.Davood Baike T.H., Trade Instructor, ME Dept.,	Design and Manufacturing Jigs and fixtures	Foreman Training Institute Bangalore	06 – 23 Sep 2016	3100	26900	30000
13	Dr.Manjithkumar., Asso.Prof., PE Dept.,	Attracting Research Funding- Opportunities and Approaches	DTE Trivandrum	29 <sup>th</sup> Aug 2016	Nil	3400	3400
14	Mr.Subin Poulose, Asst.Prof., ChE Dept.,	Attracting Research Funding- Opportunities and Approaches	DTE Trivandrum	29 <sup>th</sup> Aug 2016	Nil	3400	3400
15	Mr.Arun M.S., Asst.Prof.,	Attracting Research Funding- Opportunities and Approaches	DTE Trivandrum	29 <sup>th</sup> Aug 2016	Nil	3400	3400
16	Dr.K.P.Indiradevi., Principal	Good Governance Workshop	I ndia Habitat Centre, Lodhi road, New Delhi	30 Aug 2016	Nil	19487	19487
17	Mr.Rajesh P., Asst.Prof., Economics	Applied Financial Econometrics	University of Hyderabad	19-23 Sep 2016	6000	25000	31000

18	Sasikumar M.N., Computer Programmer	“Network Administration: Configuring and Securing LANs and WANs”	ESCI Hyderabad	19-23 Sep 2016	28750	10000	38750
19	Mr.Sreejith P.B., Tradesman	“Network Administration: Configuring and Securing LANs and WANs”	ESCI Hyderabad	19-23 Sep 2016	28750	7000	35750

**In house short term training programmes conducted**

<b>Table 3</b>				
<b>Sl. No.</b>	<b>Name Designation &amp; Dept</b>	<b>Title</b>	<b>During</b>	<b>Expenditure Amount in Rs.</b>
1	Dr. Fasnabi P. A. and Manilal A. M.	Application and uses of Gas Chromatograph	22-24 September 2016	60000 (Approximate)

<b>Table 4</b>				
<b>The following item required ratification in this BoG Meeting</b>				
2	Dr.Satish K.P., PE Dept.,	“ISO 9001 Internal Quality Audit”	27 <sup>th</sup> to 29 <sup>th</sup> June 2016	44020

**Annexure 13**  
**III Cell Activity Report**

**Activities for Last Three months**

1. Department of Electronics Engineering organized an Expert talk on Embedded Systems by Mr. Anish Sathyan, Scientist C from CDAC, Thiruvanthapuram on 19/09/2016.
2. Five batch of students from Chemical and Mechanical Engineering completed Internship programmes in Bharath Dynamics Ltd Hyderabad, Mangalore Refineries and Petro Chemical Ltd and IISC Bangalore.

S.No.	Name of Students	Industry	Date
1	Athira Merlin Rose K V (S7 Chem)	IISC Bangalore	30/05/2016 to 08/07/2016
2	Abey S Punnackudy (S7 Chem)	IISc Banglaore	30/05/2016 to 08/07/2016
3	1. Mohammed Suhail (S7 ME) 2. Nived Hohny (S7 ME) 3. Sebin Zavier (S7 ME) 4. Sinto Raphel (S7 ME) 5. Uday Shankar (S7 ME)	Bharat Dynamics Ltd., Hyderabad	March 2016
4	1. Arju R (S5 Chem) 2. Jacob Cherian P (S5 Chem) 3. Prathyusha S Menon (S5 Chem) 4. Vysakh Devadas (S5 Chem)	Mangalore Refinery and Petrochemicals Ltd	20/06/2016 to 02/07/2016
5	1. Neeraj T (S5 Chem) 2. Thomson Francis (S5 Chem) 3. Vishnu R (S5 Chem)	Mangalore Refinery and Petrochemical Ltd	02/05/2016 to 16/05/2016

3. Following M.Tech students of Electronics and Communication Engineering completed their final year project from CMET, Thrissur ( An activity of MoU with CMET)

Name of student	Topic of Project	Industry
Mr. Shiron KV (MTech – Communicational Engg and Signal Processing)	Microstrip Patch Antenna: A Comparative study based on Dielectric constant	CMET Thrissur
Mr. Varun V Pai (MTech – Communicational Engg and Signal Processing)	Miniaturized Microwave Radial Power Combiner for Particle Accelerator Systems	CMET Thrissur

4. Five faculty members from Chemical Engineering Department attended a one day training programme at LNG Petronet, Kochi
  1. Dr. Manju Ms Assoc. Professor– Chemical Engineering Dept
  2. Mr. Manilal A M, APChem Engg
  3. Mr. MAnoj N , AP Chemical Engg
  4. Dr. Fasnabi P A, AP Chemical Engg
  5. Mr. Saurab Sahadev, AP Chemical Engg

5. MoU between WAVES Electronics Private Ltd. and GECT was signed on 23/07/2016

**Annexure 14**  
**Activity Report of EAP – BoG on 24.09.2016**

As per the suggestions of previous BoG meeting, remedial classes for 7 subjects were conducted in June, July and August 2016, covering 96 hours. All classes were conducted after regular class hours and also on holidays. In addition to those subjects approved in 16<sup>th</sup> BoG meeting, some more remedial classes for 6 subjects of 62 hours was scheduled and conducted during the period. Also submitting these for ratification. The details of remedial classes conducted are given below:

Sl. No	Branch	Sem	Subject with Code	Name of Faculty (Proposed for special class)	Duration of Class	No. Students Attended	Expenditure
1	CS	S1	BE10105 - INTRO COMPUTING & PROBLEM	Jobi NJ	15	6	9000
2	CE,EC, ME	S1	PH100 - ENGINEERING PHYSICS	Vasanthakumar EG	20	6	12000
3	CH, EE, PE	S1	CY100 - ENGINEERING CHEMISTRY	Indira	20	10	-
4	EC, EE	S1	BE110 - ENGINEERING GRAPHICS	Manoj PJ	11	34	6600
5	EE	S1	EC100 - BASICS OF ELECTRONICS ENGINEERING	Sunny TD	7	3	4200
6	EE,EC	S1	EE100 - BASICS OF ELECTRICAL ENGG	Rajesh G	13	8	7800
7	CE,CH, CS,EC, EE,ME, PE	S1	MA101 - CALCULUS	Sariga/Sheeba	10	9	-

***The following Bridge courses were conducted:***

- 5 days Bridge course for 2016 admission first semester B.Tech students during the period 25<sup>th</sup> to 29<sup>th</sup> July 2016 from 9 am to 4 pm. In this programme 350 students attended.
- 3 days of Bridge course for lateral entry students to 3<sup>rd</sup> semester B.Tech(2016 admission). 37 students attended the programme.

Remedial classes are planned to be conducted during September, October 2016 for the following subjects.

1. Power generation transmission and distribution (S5 EE, 15Hrs – Rs. 9000/-)
2. Engineering mathematics for all lateral entry students (S3&S5, 25 Hrs –15000/-)
3. Synchronous machines. ( S5 EE – 15Hrs – Rs. 9000/-)
4. Signals and Systems. (S4 EE – 20Hrs – Rs. 12000/-)

**Annexure 15**  
**Activity Report on Finance**

**1. TEQIP Fund Utilisation as on 20.09.2016**

Sl. No	Activity of Expenditure	Total Budget Provision out of Rs. 1000 Lakhs	Reallocated Budget approved in previous BoG meeting	Expenses as on 20.09.2016	Advance Expenses As on 20.09.2016	Committed Expenses as on 30.09.2016	Total
1	Improvement in teaching, training and learning facilities – Procurement	550	550	544.49 (CW-45.12)	0	0	<b>544.49</b>
2	Assistantship for increased enrolment in existing and new PG	100	96	86.06	0	1.32	<b>87.38</b>
3	Enhancement of R&D and Institutional Consultancy activities	20	86	76.69	2.07	0.06	<b>78.82</b>
4	Faculty and Staff Development (FSD)	100	112	107.70	3.18	2.02	<b>112.9</b>
5	Enhanced Interaction with Industry	40	10	7.34	0	0	<b>7.34</b>
6	Institutional Management Capacity Enhancement	30	25	22.92	0	0	<b>22.92</b>
7	Academic Reforms	20	59	44.23	0	0	<b>44.23</b>
8	Academic Support for weak students	40	22	15.31	0	1	<b>16.31</b>
9	Incremental Operating Cost	100	52	43.03	1.05	0.6	<b>44.68</b>
	<b>Total:</b>	<b>1000</b>	<b>1012</b>	<b>947.77</b>	<b>6.3</b>	<b>5</b>	<b>959.07</b>

2. Total fund Received from SPFU as on 20.9.2016 : 1000.00 Lakhs  
3. Fund utilization as on 20.09.2016 : 947.77 Lakhs  
4. Interest from Project fund : 13.44 Lakhs

**5. Amount in four Funds as on 20.09.2016**

- Corpus Fund : Rs.54,57,918/-
- Faculty & Staff Develop. Fund : Rs.68,34,272/-
- Maintenance Fund : Rs.54,59,306/-
- Equipment replacement : Rs.55,86,57/-

**Monthly Financial Management Report (Activity and Sub-Activity wise) – August 2016**

Activities	Total funds received till date	Category of expenditure (Head of expenditure)	Sub-Activity	Cumulative Exp. Up to 31.07.2016	Exp. To 31.08.2016	Total cumulative expenditure upto 31.08.2016	Committed Expenditure upto 30.09.2016	Expenditure in pipeline for next Qtr. Ending on 31.10.2016
(1)	(2)	(3)	(4)	(5)	(6)	(7 = 5 + 6)	(8)	(9)
Procurement of goods (equipment, furniture, books, LRs, software and minor items) and civil works for improvement in teaching, training and learning facilities	1000.00	Procurement	Expenditure on ICT enabled learning, related softwares & hardware.	17.57	0.00	17.57	0.00	0.00
			Expenditure on New laboratory for new PG programs	0.00	0.00	0.00	0.00	0.00
			Expenditure on New laboratory for existing PG programs	0.00	0.00	0.00	0.00	0.00
			Expenditure on Existing laboratories modernized/Strengthened	452.27	0.00	452.27	5.59	0.00
			Expenditure on Library i.e. books, e-books, journals, e-journals course specific softwares	12.87	0.00	12.87	0.00	0.00
			Expenditure on membership of online journals & consortium	0.00	0.00	0.00	0.00	0.00
			Expenditure on digitally/virtually accessible courses/subjects	0.00	0.00	0.00	0.00	0.00
			Expenditure on Modernising Classrooms	1.84	0.00	1.84	0.00	0.00



			Expenditure on Procurement of Equipments etc. for Institutes/ TEQIP unit.	0.81	5.64	6.45	0.00	0.00
			Expenditure on Civil Work	45.12	0.00	45.12	0.00	4.35
			Others. (Specify if Material)	8.38	0.00	8.38	0.00	0.00
		<b>Total</b>		<b>538.87</b>	<b>5.64</b>	<b>544.51</b>	<b>5.59</b>	<b>4.35</b>
Provide Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in Engineering disciplines		Assistantships	Expenditure on Masters students enrolled with TEQIP teaching assistantship	33.64	1.20	34.84	7.28	9.28
			Expenditure on PhD Students enrolled with TEQIP research assistantship	48.29	0.90	49.19	2.52	1.80
			Others. (Specify if Material)	0.23	0.00	0.23	0.70	0.30
		<b>Total</b>		<b>82.16</b>	<b>2.10</b>	<b>84.26</b>	<b>10.50</b>	<b>11.38</b>
Enhancement of R & D and institutional consultancy activities		R&D	Expenditure incurred on Research projects taken by UG/ PG students	0.02	0.00	0.02	0.00	0.00
			Expenditure incurred on research publications in engineering in refered journals	19.91	0.04	19.95	1.80	0.50
			Expenditure on Organising Conferences for R & D Topics	36.10	0.00	36.10	0.00	0.00
			Expenditure on Patenting of Research Products	0.00	0.00	0.00	0.00	1.80
			Others. (Specify if Material)	19.94	0.00	19.94	2.07	1.00
		<b>Total</b>		<b>75.97</b>	<b>0.04</b>	<b>76.00</b>	<b>3.87</b>	<b>3.30</b>

Faculty and staff development for improved competence	FSD	Expenditure on Faculty with B Tech enrolled for M Tech against total B Tech faculty	0.00	0.00	0.00	0.00	0.00
		Expenditure on Faculty with M Tech enrolled for PhD in engineering against total M Tech faculty	0.95	0.00	0.95	0.00	0.00
		Expenditure on faculty members attended training in subject domain	45.12	0.76	45.89	0.50	4.62
		Expenditure on faculty members attended pedagogical training	5.66	0.07	5.73	0.30	0.30
		Expenditure on organising inhouse subject area training Programs/ Workshops/ seminars / conferences / continuing education programs.	36.35	0.00	36.35	1.00	2.29
		Expenditure on participation by faculty in Seminar/ Conferences/ workshop etc.	6.32	0.00	6.32	0.00	0.00
		Expenditure on staff development	12.47	0.00	12.47	0.50	1.10
		Others. (Specify if Material)	0.00	0.00	0.00	0.00	0.00
		<b>Total</b>		<b>106.87</b>	<b>0.83</b>	<b>107.70</b>	<b>2.30</b>
Enhanced interaction with Industry	I-I-I- Cells	Expenditure on academic Programs i.e. MTech/PhD etc. with industry	1.54	0.00	1.54	0.00	0.00

			Expenditure on short term programs with industry	2.26	0.00	2.26	0.00	0.00
			Expenditure on academic networking with other institutions	0.02	0.00	0.02	0.00	0.00
			Expenditure incurred on Campus placements (UG & PG)	0.70	0.00	0.70	0.00	0.00
			Expenditure on UG Students attended industrial internship	0.00	0.00	0.00	0.30	0.20
			Others. (Specify if Material)	2.82	0.00	2.82	0.10	0.00
			<b>Total</b>	<b>7.34</b>	<b>0.00</b>	<b>7.34</b>	<b>0.40</b>	<b>0.20</b>
Institutional Management Capacity enhancement		Capacity development	Expenditure on Sr. Officials & Sr. faculty attended management development training	22.85	0.08	22.93	0.00	2.00
			Others. (Specify if Material)	0.00	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>22.85</b>	<b>0.08</b>	<b>22.93</b>	<b>0.00</b>	<b>2.00</b>	
Implementation of Institutional academic reforms		Reforms	Expenditure on accreditation fee for NBA	36.36	0.00	36.36	0.00	1.00
			Expenditure incurred on Autonomous Institution status concurred by UGC	4.92	0.00	4.92	0.00	0.00
			Expenditure on Curricula revision/restructuring	0.75	0.00	0.75	0.00	0.00
			Others. (Specify if Material)	2.20	0.00	2.20	0.00	0.00
		<b>Total</b>	<b>44.23</b>	<b>0.00</b>	<b>44.23</b>	<b>0.00</b>	<b>1.00</b>	

Academic support for weak students		Student support	Expenditure on students transition from first year to second year of UG Programs (clearing all subjects /courses of 1st year in first attempt)	0.16	0.00	0.16	0.00	0.00
			Others. (Specify if Material)	14.82	0.00	14.82	1.00	1.50
		<b>Total</b>		<b>14.99</b>	<b>0.00</b>	<b>14.99</b>	<b>1.00</b>	<b>1.50</b>
<b>Incremental operating cost</b>		<b>IOC</b>		<b>39.01</b>	1.24	40.25	3.59	2.00
<b>GRAND TOTAL</b>	<b>1000.00</b>			<b>932.28</b>	<b>9.93</b>	<b>942.21</b>	<b>27.25</b>	<b>34.04</b>