

# **TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME**

## **Phase II Sub Component 1.1**



### **6<sup>th</sup> MEETING OF THE BOARD OF GOVERNORS**

### **DETAILED AGENDA NOTES**

**Date: 04-05-2015**

**Time: 09.30 am**

**Venue: College of Engineering Karunagappally**

**COLLEGE OF ENGINEERING KARUNAGAPPALLY**

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

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## Background:

The meeting of Board of Governors is convened regularly to monitor the progress of TEQIP-II activities at CE Karunagappally, under Sub component 1.1, with emphasis to procurement and academic activities, and to accord necessary approvals and clearances for the ongoing activities. The 6<sup>th</sup> meeting of the BoG is being convened on 4<sup>th</sup> of May, 2015.

The agenda items are given below.

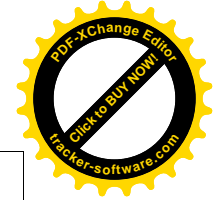
## Agenda Items

### Part 1-Procedural

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1.2	Report on the action taken/action pending on the pertinent decisions in the Minutes of the 5 <sup>th</sup> Meeting of the Board of Governors held on 16-12-2014 at College of Engineering Karunagappally	5

### Part 2-Ratifications and Approvals

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2.9	Expenditure incurred under IOC-Ratification	22
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### **Part 3-Reports**

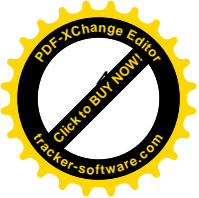
<b>Sl. No</b>	<b>Items</b>	<b>Page Number</b>
3.1	Summary of Expenditure as on 30 April 2015	25
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### **Part 4- Any other item with the permission of the chair**

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### **Part 5-Annexures**

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2.	Annexure II Minutes of Research Guidance Committee	36
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4.	Annexure VI Revised Institutional Development and Governance Plan(separate document)	



# Part 1

## Procedural Items

### **1.1 Confirmation of the Minutes of the 5<sup>th</sup> Meeting of the Board of Governors held on 16-12-2014 at CE Karunagappally**

The Minutes of the 5<sup>th</sup> Meeting of Board of Governors of TEQIP Phase II of CE Karunagappally held on 16-12-14 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.

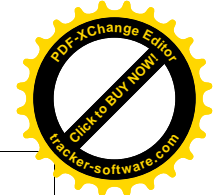
**Action sought:** BoG may consider the Minutes for approval

## 1.2 Report on the action taken/action pending on the pertinent decisions in the Minutes of the 5<sup>th</sup> Meeting of the Board of Governors held on 16-12-2014 at CE Karunagappally

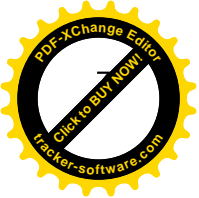
The decisions taken by the BOG as recorded in the Minutes of the 5<sup>th</sup> Meeting of the Board of Governors of the TEQIP Phase II held on 16-12-2014 have been noted and actions have been initiated. A report on the action taken and actions pending is presented in the Table 1.2.1 given below

**Table 1.2.1**

Sl. No.	Decision Taken	Action Taken
1	Instructed to have more realistic estimates for items under procurement.	.Done in the present procurement
2	Instructed to take AMC for procured items	AMC for Photocopiers is under consideration
3	Decided to issue part payment for the package “Extension of generator room” with number TEQIP11/KL/1G18/130	It is done.
4	Decided to give extension for package 130 and to complete the work in 30 days from the renewal of contract.	The contract is extended. The work has been completed except for the closure of cable trench which comes under package. TEQIP11/KL/1G18/125.
5	Decided to effect the payment for all completed civil works	The office procedure for the payment is completed. Funds are expected in one more week.
6	Decided to depute faculty preferably to NITs,IITs etc for academic programmes.	Four members on the faculty attended the course “Mathematics for Engineering Education” at IIT, Guwahati and six members attended the pedagogy training at IIT, Madras
7	Instructed Mrs. Deepa AK to present her experiences at the international conference in China.	.The presentation is scheduled on 04.05.2015
8	Instructed to limit the strength of students under EAP to 25%.	It is done accordingly.



9	Decided to force the discontinued MTech student who availed TEQIP scholarship to refund the amount. If not, it is instructed to withhold her TC and certificates	Steps are taken to do so.
10	Decided to discontinue scholarship to failed MTech students	It is the current practise not to give scholarship to failed stud ents. The practise is continued.
11	Decided to invite Mr.Manoj Ray to BoG meeting though he is on deputation now	Mr. Manoj Ray is invited.



## **Part 2**

# **Discussion, Ratification and Approval**

## 2.1 Expenditure incurred for procurement of goods and price revisions of various completed and committed packages

The packages completed post the fourth BOG meeting are detailed below

**Table 2.1. Details of Completed Packages Post the 5<sup>th</sup> BOG meeting**

Sl No	Package No	Package Name	Mode of purchase	Firm	Estimated Amount (Rs)	Actual Amount (Rs)	% Variation
1	TEQIP II/KL1G18/21	Digital Storage Oscilloscope	NCB	Innovative instruments Inc. Thiruvananthapuram	27,85,000	19,78,276	28.97
2	TEQIP II/KL1G18/105	PSCAD software	Direct Contract	Nayak Power Systems Bangalore	4,45,000	4,41,975	0.68
3	TEQIP II/KL1G18/128	Campus networking	NCB	Techser Kochi	24,99,400	20,34,576	18.6

The packages committed post the fourth BOG meeting are detailed below

**Table 2.2. Details of Committed Packages Post the 5<sup>th</sup> BOG meeting**

Sl No	Package No	Package name	Mode of Purchase	Firm	Estimated amount (Rs)	Actual amount (Rs)	% Variation
1	TEQIP II /KL1G18/ 170	DreamSpark	Shopping	TEG, 39/5366, 4th cross road, Panampally Nagar Kochi Kerala, 682036	170000	139106	18.17
2	TEQIP II/KL1G18/48	Microprocessors and microcontrollers	Shopping	SCIENTIFIC ENTERPRISES P.B.NO : 1951, Shine road, Vytilla Cochin, Kerala	5,83,000	544504	0.06
3	TEQIP II/KL1G18/169	DC Machines and Servomotors	Shopping	SCIENTIFIC ENTERPRISES P.B.NO : 1951, Shine road, Vytilla Cochin, Kerala	8,43,000	815557	0.03
<b>Total Amount Committed</b>						<b>14,99,167</b>	



**Action sought:** The BoG may kindly ratify the completed and committed procurements and approve the price revisions.

The packages still remaining initiated are detailed below:

**Table 2.3 Details of Initiated Packages**

Sl no .	Package no.	Package name	Date of Initiation	Mode of Purchase	Estimated amount (Rs)
1	TEQIP II/KL1G18/18	Multimeter	05-03-14	Shopping	1,94,000
2	TEQIP II/KL1G18/165	National Journal	06-02-14	Shopping	41,438
3	TEQIP II/KL1G18/69	Television	22-02-14	Shopping	73,000
4	TEQIP II/KL1G18/37	Visual Presenter	31-03-14	Shopping	2,10,000
5	TEQIP II/KL1G18/94	Weighing Machine	25-03-14	Direct Contract	4,250
6	TEQIP II/KL1G18/168	Water Cooler	31-03-14	Shopping	75,000
7	TEQIP II /KL1G18/171	APFC	20-03-15	Shopping	2,00,000
8	TEQIP II /KL1G18/172	IEEE e journal	10-02-15	Direct Contract	3,80,000
9	TEQIP II /KL1G18/173	Science Direct E journal	10-02-15	Direct Contract	5,00,000
10	TEQIP II /KL1G18/175	Furniture Library	02-03-15	Shopping	62,000

## 2.2 Expenditure incurred for completed civil works packages and status of other Civil packages

**Table 2.4 Status of civil work packages**

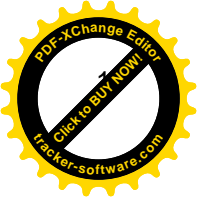
S In o	Name of work	Package no	Estimate amount (Rs)	Above /below	Quoted amount (Rs)	Agreement date	Extensio n date	Status	Amount paid&date including tax
1	Extension of Generator Room	TEQIP II/ KL/1G18/ 130	12,82,039	14.95 % above	1473703	1/11/2013- 28/2/2014	1/3/2014- 30/6/2014	Not compl eted	<b>3,68,425. 00(part payment)</b>
2	Refurbishm ent work of labs	TEQIP II// KL/1G18/ 132	6,17,298	15% above	709892	23/10/2013 -22/2/2014		Compl eted	<b>615131/- 15/2/2014</b>
3	Foundation s for Machines	TEQIP II// KL/1G18/ 131	1,73,676	15% above	199727	17/10/2013 -16/2/2014		Compl eted	<b>178538/- 30/12/2013</b>
4	Ceiling work of Computer lab	TEQIP II// KL/1G18/ 133	1,73,500	14.5% above	198657	17/10/2013 -16/2/14		Compl eted	<b>187215/- 28/10/13</b>
5	Partitioning work	TEQIP II// KL/1G18/ 127	9,91,088	14.81 % above	1137868	1/11/2103- 28/2/2014	1/3/14- 30/6/2014	Compl eted	<b>1051676/- 5/9/2014</b>
6	College electrical work	TEQIP II// KL/1G18/	12,25,329	7.9% Below	1128528	7/2/2014- 6/5/2014	7/5/2014- 6/8/2014	Compl eted	Not paid
7	TEQIP II /KL1G18/1 80	Electrical work in Library and Office	79000					Not initiate d	

## 2.3 Details of Approved packages to be initiated

**Table 2.6 List of packages to be initiated**

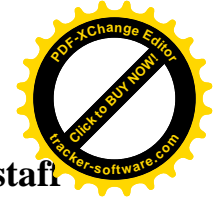
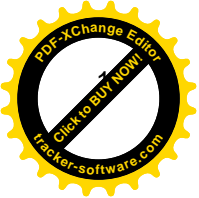
Sl No.	Package No	Package Name	Mode of purchase	Estimated amount (Rs)
1	TEQIP II/KL1G18/144	Public Address System	Shopping	1,00,000
2	TEQIP II/KL1G18/166	Display Board	Shopping	56,000
3	TEQIP II/KL1G18/138	Furniture for Lab and classroom	Shopping	1,90,000
4	TEQIP II /KL1G18/174	Springer E journal	Shopping	207000
5	TEQIP II /KL1G18/176	Portable Hardware Device	Direct Contract	42000
6	TEQIP II /KL1G18/177	HF PCB Manufacturing Facility	Shopping	45000
7	TEQIP II /KL1G18/178	Analog meters	Shopping	25000
8	TEQIP II /KL1G18/179	Microwave Test Benches	Shopping	195000
9	TEQIP II /KL1G18/181	Tools for Foundry Shop	Shopping	118725
10	TEQIP II /KL1G18/182	Satellite Receiver set	Direct Contract	6000
11	TEQIP II /KL1G18/183	PLC Trainer	Shopping	160000

12	TEQIP II /KL1G18/184	Moderna Chair	Shopping	122000
13	TEQIP II /KL1G18/185	Furniture Chair Table Almirah	Shopping	851200
14	TEQIP II /KL1G18/186	Computer table	Shopping	127400
15	TEQIP II /KL1G18/187	3D Printer	Shopping	150000
16	TEQIP II /KL1G18/188	Currency counter	Direct Contract	10000
17	TEQIP II /KL1G18/189	Corridor surveillance system	Shopping	100000
18	TEQIP II /KL1G18/190	Keil development tools	Shopping	140000
19	TEQIP II /KL1G18/191	Electronic Private Automatic Branch Exchange	Shopping	200000
20	TEQIP II /KL1G18/137	Furniture Desk Bench Stool	Shopping	562000
21	TEQIP II /KL1G18/108	Books for Competitive Exams	Shopping	109810
22	TEQIP II /KL1G18/180	Electrical work in Library and Office	Shopping	79000
23	. TEQIP II /KL1G18/113	Library EC2	Shopping	173880



**Table 2.7: Consolidated statement of procurement status**

Sl. No.	Status of Packages	No of Packages	Amount (Rs)
<b>Budget Amount</b>			<b>5,50,00,000</b>
1	Completed	79	4,13,21,131
2	Committed	10	70,32,625
3	Initiated	11	75,16,497.50
4	To be Initiated	23	37,700,15
<b>Total plan submitted in pmss</b>			<b>56,47,39,98.75</b>

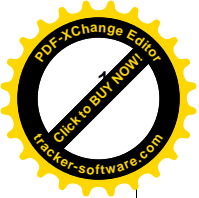


## 2.4 Approval of the In-house and outstation programmes for faculty and staff for the next three months

### Outstation training Programmes planned for the next three months

The detailed proposal of outstation training programmes planned for the next 3 months is shown in the following table. The list is prepared based on the courses available in the web site of various Institutions

Department : Computer Science & Engineering/ IT						
No	Name	Course	Tentative date	Duration in Days	Institution	Approx Expenditure (Rs)
1	Binu V P	Teaching applied mathematics for Post Graduate Students	May13-May15 2015	3Days	IIT Bombay	25,000
2	Smitha P	Research Methodology for science Engineering and Management	May25-May30 2015	6 Days	NIT Calicut	25,000
3	Jyothi.R.L	Summer school on image processing	June8-june12 2015	5Days	NIT Kurushetra	30,000
4	Remya R S	Summer school on image processing	June8-june12 2015	5Days	NIT Kurushetra	30,000
5	Vinod R	Summer school on image processing	June8-june12 2015	5Days	NIT Kurushetra	30,000
6	Anilkumar A	Summer school on image processing	June8-june12 2015	5Days	NIT Kurushetra	30,000
7	Shaji L	Research Methodology for science Engineering and Management	May25-May30 2015	6 Days	NIT Calicut	25,000

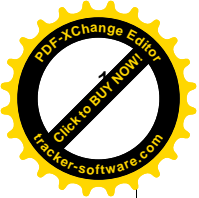


**Department: Electrical and Electronics Engineering**

8	Raju M	Power Electronics for Grid connected renewable energy system	14/05/15 - 16/05/15	3 Days	NIT Calicut	3500
9	Haseena P Y	Research Methodology for Science Engg. & Management	25/05/15-30/05/15	6 Days	NIT Calicut	10,000
10	Libi A	Research Methodology for Science Engg. & Management	25/05/15-30/05/15	6 Days	NIT Calicut	10,000

**Department: Electronics and Communication Engineering**

11	C V AnilKumar	Antenna analysis	May 2015	3	IIT Kharagpur	30,000
		pedagogy		3	IIT Madras	15000
		5G Technologies	June 2015	2	IEEE Bangalore	15,000
12	Deepa V S	pedagogy		3	IIT Madras	15000
		Management development programme	September2015	3	IIM Calicut	25,000
13	Dr. Gopakumar C	pedagogy		3	IIT Madras	15,000
		Antenna analysis	May2015	3	IIT Kharagpur	35000
14	Shiny C	pedagogy		3	IIT Madras	15,000
		Image Processing	June 2015	3	NIT Kurukshethra	30000
15	Sylish S V	pedagogy		5 Days	IIT Madras	15000



		Optoelectronics	August 2015	3 Days	IIT Kharagpur	35000
		Image Processing	June 2015	5Days	NIT Kurukshethra	30000
16	Reji Thankachan	pedagogy		3 Days	IIT Madras	15000
		Image Processing	June2015	5 Days	IIT Madras	15000
17	Deepa T R	pedagogy	June 2015	3 Days	IIT Madras	15000
18	Anuja V Nair	pedagogy	June 2015	3 Days	IIT Madras	15000
		Image Processing	June 2015	5 Days	NIT Kurukshethra	30000
19	Deepa T R	Embedded system Design	December 2015	3 Days	IIT Kharagpur	35000
20	Mili Roseline Mathews	Image Processing	June 2015	5 Days	NIT Kurukshethra	30000
21	Kuryachan T D	PCB Design and manufacturing Workshop	Nov 2015	7Days	NITTTR	15000
<b>General Engineering Department</b>						
22	Baiju V	Conflict management, Decision making and problem solving skills.	July 07-09 2015	3 days	ESCI Hyderabad	30000/-



		Advances in Cryocooler technology	Oct 13-17	5 days	IIT Bombay	50000/-
23	Ravi kumarThampy	Conflict management, Decision making and problem solving skills.	July 07-09 2015	3 days	ESCI Hyderabad	30000/-
24	Premnath G	Expo info Design	July 23-25 2015	3 days	IIT Bombay	50000/-
		Advances in Cryocooler technology	Oct 13-17	5 days	IIT Bombay	50000/-
25	Ajilkumar A	Expo info Design	July 23-25 2015	3 days	IIT Bombay	50000/-
26	Jayadeepkumar J	Advances in Cryocooler technology	Oct 13-17	5 days	IIT Bombay	50000/-
27	Baiju V	Advances in Cryocooler technology	Oct 13-17	5 days	IIT Bombay	50000/-

### **In-house training Programmes planned for the next three months**

The detailed proposal of in-house training programmes planned for the next 3 months is shown in the following table

No	Name	Course	Tentative date	Type(workshop/training)	Duration	Participation expected	Expenditure (Rs)
1	Libi A Haseena P Y Raju M	Control System Theory & Applications	July 2015	Training	3 days	35	1,50,000
2	Libi A Haseena P Y Raju M	Power system softwares	Aug 2015	Training	3 days	35	1,50,000
3	Remya R S Jyothi R L	Image and Video security and Compression	July 2015	Training	5 Days	30	200000
4	Vinod R	Simulation of computer Networks Algorithms	June 2015	Training	3Days	30	1,50,000

6	C V AnilKumar	Energy Conservation & renewable Energy sources	July 2015	Training	3	35	1,50,000
7	Deepa T R	Training on Layout Design Tools	Aug 2015	Training	3	35	3,00,000
8	Gopakumar	Website Development	Sept 2015	Training	2	35	1,00,000
9	Shiny C	VLSI in SignalProcessing	Oct 2015	Training	3	30	2,00,000

## 2.5 Refund of Tuition Fee and Refund of fee paid towards IEEE membership

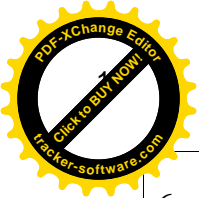
Mr. Raju M, Assistant Professor in Electrical and Electronics has submitted the receipt of fee of Rs.23000.00 paid towards the tuition fee for PhD programme and requested the refund. The matter is placed before the BoG for approval and sanction of the said amount.

He also submitted the receipt for Rs. 5773.00 towards the IEEE annual membership fee and requested its refund also. Half of this amount viz. Rs 2886 can be sanctioned as per guidelines. The matter is presented before the BoG for approval and sanction.

## 2.6 Approval of IIC Activities

### 2.6.1 IIC activities planned for the next 3 months

Sl.No	Branch	Name of Program	Type of program	Industry Name / Instn Name	Date	No of days	No. of Student Participants	Actual /Planned Expenditure (Rs.)
1	EEE	Internship at TELK	Internship	TELK	Jun 15	7	5	5000
2	EEE	Internship at KSEB	Internship	KSEB	Jun 15	7	5	5000
3	EEE	Internship at KMML	Internship	KMML	Jun 15	7	5	5000
4	EEE	Internship at NTPC	Internship	NTPC	Jun 15	10	5	5500
5	EEE	Energy Saving for Domestic Equipments	Expert Lecture	ANERT	Jul 15	1	60	15000

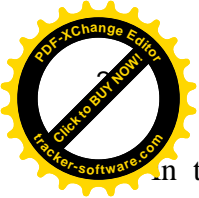


6	ECE	Tutoring ORCAD	Tutorial	FTD Automation	Jul 15	1	60	10000
7	ECE	Entrepreneurship	Expert Lecture	Union Bank	Jul 15	1	60	5000
8	ECE	Signal Processing	Expert Lecture	NeST	Jul 15	1	60	5000
9	ECE	Communication	Expert Lecture	BSNL	Jul 15	1	60	5000
10	ECE	Technology Business Incubation	Faculty Training	NIT Kozhikode	Jul 15	1	25	15000

**Action sought:** The BOG may kindly approve the action plan under IIIC cell for the next three months.

## 2.7 Report of Progress of R & D Activities

The first meeting of the Research Guidance Committee (RGC) for TEQIP II of CE Karunagappally was held on 22.2.2014 under the Chairmanship of Senior Research Advisor of the Institution, Dr. Gopinathan E, Former Director of NIT Kozhikode in the presence of Dr. Rajkumar Choudhary, Scientist, Space Physics Laboratory, VSSC and Sri. Shajahan M, Scientist, Space Physics Laboratory, VSSC Thiruvananthapuram. Based on the decisions of the RGC, seed money at the tune of Rs. 1,00,000/- per Principal Investigator was paid for eight proposals strictly adhering to the rules and regulations framed for granting the seed money. As per the guidelines for granting seed money the progress report and utilization of funds should be reported every six months. Hence the Principal Investigators (PI) were asked to submit the progress reports and the reports submitted by them were sent to the Chairman and external members for review. Accordingly the Second meeting of RGC was conducted on 06.12.2014 under the Chairmanship of the SRA of the Institution, Dr. Gopinathan E. The external members of the Committee also were present in the meeting. After first level scrutiny, the applicants were asked to present their proposals before the RGC. All the PIs presented the progress of the projects. All the PIs presented that they would submit the final proposals to external funding agencies in February 2015. The committee appreciated and congratulated the efforts taken by all the faculty members for the progress made in all the projects for which seed money was availed. The committee urged the PIs to accelerate further to finish the projects within the time frame. The draft minutes of the second meeting of RGC is attached as **Annexure-4**.



In the 6<sup>th</sup> review meeting of the TEQIP II activities conducted by SPFU on 06.11.2014, CE Karunappally was invited to present the R and D activities as the best practice in R and D of the 19 TEQIP institutions.

**Action sought:** BOG may note the progress of the proposals and comment.

## 2.8 Report of programmes under EAP

### 2.8.1 Remedial classes conducted

#### REMEDIAL CLASSES CONDUCTED (JULY2014 -DECEMBER 2014) B.Tech Regular

Batch	Subject	Faculty	Hours engaged	Expenditure in Rs	No: of students attended	No: of students benefited	No: of SC/ST students	No: of SC/ST students benefited
III EC	Network theory	Deepa .A.K	7	4200	8	3	1	0
	Electronic Circuits I	Aswathy	4	2400	10	2	0	0
		Dr.Gopakumar	2	1200	30	15	1	0
IIIEE	Circuits ,signals and systems	Ambili Mathew	8	4800	7	3	0	0
III CS/IT	Discrete Computational Structures	Remya.R.S	4	2400	10	6	0	0
III IT	Computer organization	Jayakrishnan	8	4800	5	2	0	0
V EE	Electrical Machines I I	Prima Chandran	6	3600	8	*	0	
	Microprocessor based System Design	Ambili Mathew	12	7200	12	*	0	
V CS	Software Engineering	Jisy Raju	2	1200	11	*	0	
VII CS	Distributed computing	Alka Mohan	3	1800	8	1	0	0
VII EE	Design Estimation and Costing	Mary	11	6600	13	5	0	0
* Result not published								

### B. Tech Supplementary

Batch	Subject	Faculty	Hours engaged	Expenditure in Rs	No: of students attended	No: of students benefited	No: of SC/ST students	No: of SC/ST students benefited
VII EC	Engineering Mathematics III	Renu KK	4	2400	3	*	0	
VI CS/IT	CS/IT 1404 Automata Theory and Computation	Remya RS	10	6000	15	*	0	
VII /V EC	Electronics Circuits I	Dr. Gopakumar C	20	12000	35			

### REMEDIAL CLASSES CONDUCTED (January 2015 -April 2015)

#### B.Tech Regular

Batch	Subject	Faculty	Hours engaged	Expenditure in Rs	No: of students attended	No: of students benefited	No: of SC/ST students	No: of SC/ST students benefited
VIII EC	Audio Video Engineering	Aswathy SS	5	To be settled	9	*	0	
	Digital Image Processing	MiliRosline Mathew	4	To be settled	6	*	0	
VI EE	Modern DSP	Divya Raj	5	To be settled	10	*	0	
IV EE	Industrial and Power Electronics	Ambily Mathew	4	To be settled	6	*	0	
I&II EC	Computer Programming	Jisy Raju	13	To be settled	21	*	1	
I & II EE	Computer Programming	Alka Mohan	11	To be settled	20	*	1	
	Basic Electrical Engg.	MeeraMurali	6	To be settled	19	*	0	
IV EE/C S	1109 Technical Communication	LibinMuslih	3	To be settled	8	*	0	



**Action sought:** BOG may kindly approve the remedial classes conducted

## **2.8.2 Action Plan for the Programmes Under EAP Cell for the next 3 months**

### **A. Soft Skill Training Programmes during May2015-July2015**

<b>SOFT SKILL TRAINING PLAN</b>					
<b>JULY2015</b>					
<b>Sl. No.</b>	<b>Semester</b>	<b>Programme</b>	<b>No. of Days</b>	<b>Tentative Date</b>	<b>Estimate (Rs)</b>
1	III	Personality Development	5	July2015	90,000
2	V	SOFT SKILL PRACTICE	2	July2015	60,000
3	VII	Getting Ready For Placement Orientation	5	July2015	1,50,000
4	I&II	Counselling class	2	July2015	25,000
<b>Total</b>					<b>3,25,000</b>

### **B BRIDGE COURSE**

#### **MAY 2015-JULY 2015**

<b>Semester</b>	<b>Subject</b>	<b>Hours</b>	<b>Estimate (Rs)</b>
1&IIEC	Engg:MathematicsI	10	6000
	Engg:Mechanics	10	6000
	Computer Programming	10	6000
1&IICS/IT	Engg:MathematicsI	10	6000
	Engg:Mechanics	10	6000
	Computer Programming	10	6000
1&IIEE	Engg:MathematicsI	10	6000
	Engg:Mechanics	10	6000
	Computer Programming	10	6000
IIIEC/CS/EE/IT	Engg:mathematicsIII	10	6000
<b>Total</b>			<b>54000</b>

**Action sought:** BOG may kindly approve the action plan.

## **2.9 Expenditure incurred under IOC-Ratification**

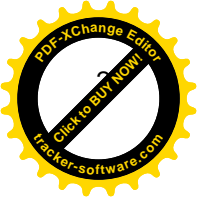
The expenditure incurred under IOC post the fourth BOG meeting is Rs. 7,8,2443/-. This amount is due to Salaries of TEQIP staff, Consumables purchased for TEQIP cell and other departments, and Operation and Maintenance charges. All the amounts have been paid as per TEQIP II norms. The details are given in the tables below.

### A) Salaries for TEQIP Staff

Sl. No	Month	Amount (Rs)
1	December 2014	53800
2	January 2015	50000
3	February	49200
4	March	50400
<b>Total</b>		<b>203400.00</b>

### A) Expenditure incurred for Consumables

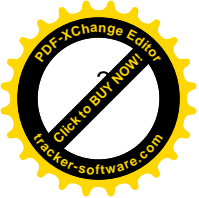
Sl No:	Date of Settlement	Department	Item Purchased	Amount (Rs)
1	29-12-2014	EC	Components	11661
2	14-01-2015	EC	Electrical appliances	13468
3	09-03-2015	EEE	Electrical appliances	18425
4	09-03-2015	TEQIP	Stationary	7760
5	12-03-2015	TEQIP	Toner Refilling	750
6	12-03-2015	ECE	Electronics Item	15595
			<b>Total</b>	<b>67659</b>



## **Part 3**

# **Reports**





### 3.1 Summary of Expenditure as on 30<sup>th</sup> APRIL 2015

The summary of expenditure as on 30-04-2015 is as below.

**Total Fund Received: Rs.54000000**

Sr.No	Expenditure Name	Expenditure Upto March 31 2015	Expenditure for April 2015	Cumulative Expenditure upto April 30 2015
1	Procurement	41351031	NIL	41351031
2	Providing Assistantships for Increased enrolment in existing and new PG Programmes in Engineering Disciplines	3599000	NIL	3599000
3	Enhancement of Research and Development and Institutional Consultancy Activities	874130	NIL	874130
4	Faculty and staff development for improved competence based on Training Needs Analysis(TNA)	4130579	NIL	4130579
5	Enhanced Interaction with Industry	397889	NIL	397889
6	Institutional Management Capacity enhancement	379835	NIL	379835
7	Implementation of Institutional reforms	898880	NIL	898880
8	Academic support for weak students	559757	NIL	559757
9	Incremental Operating Cost	2633857	50400	2684257
9.1	Salaries	821008	50400	871408
9.2	Consumables	370999	NIL	370999
9.3	Operation and Maintenance	1441850	NIL	1441850
<b>Total</b>		<b>5,48,24958.00</b>	<b>50400.00</b>	<b>5,48,75358.00</b>

BOG may kindly take note of the expenditure under various heads

### 3.2 Faculty Position as on 01.05.2015

The faculty position as on 01.12.2014 is given below. The regular faculty strength has now increased to 33 against total faculty strength of 57. The number of regular faculty on campus is 27 at present.

#### Faculty Status (Regular/On-Contract Faculty as on 10<sup>th</sup> March 2014)

Faculty Rank	No. of Sanctioned Regular Posts	Present Status : Number in Position by Highest Qualification												Total Number of regular faculty in Position	Total Vacancies	Total Number of contract faculty in Position
		Doctoral Degree				Masters Degree				Bachelor Degree						
				Other Disciplines		Engineering Disciplines		Other Disciplines		Engineering Disciplines		Other Disciplines				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15= (3+5+7+9+11+13)	16= (2-15)	17= (4+6+8+10+12+14)
Prof	3	-	-	-	-	-	-	-	-	-	-	-	-	0	3	0
Asso Prof	11	1	-	-	-	3	-	-	-	-	-	-	-	4	7	0
Asst Prof	41	2	-	1	-	18	12	4	3	4	8	-	-	29	12	23
Lec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	55	3	-	1	-	21	12	4	3	4	8	-	-	33	22	23

Prof = Professor, Asso Prof = Associate Professor, Asst Prof = Assistant Professor, Lec=Lecturer, R=Regular, C=Contract

Action Sought: The BOG may kindly take note of the faculty position.

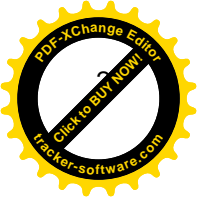
### 3.3 Report on status of Accreditation

College of Engineering Karunagappally has remitted the fees for accreditation by the National Board of Accreditation (NBA) as per the requirements of TEQIP-II for the Departments of Electronics & Communication and Computer Science & Engineering that are eligible to apply for accreditation. The Self-Assessment Reports (SARs) of both the Departments have been prepared. The same had to be uploaded through the NBA portal in



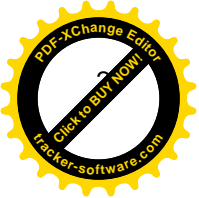
October. But, due to several defficiencies such as lack of buil up space, lack of senior faculty positions filled etc the time for uploading has been extended upto for another six months.. The documentations required for the same are under preparation.

**Action Sought:** The BOG may kindly take note.



## **Part 4**

**Any Other item with the permission of the chair**





## Minutes of Fifth Meeting of Board of Governors

Presided by

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

Venue :Office of Principal

Date:16/12/2014

Time 10AM

### **Members Present:**

### **Agenda Summary**

The meeting started at 10.Am under the presendency of the Hon'ble Chairman with a silent prayer followed by Welcome Address by Principal .Principal Dr Hari.V.S welcomed all members and special invities .A brief report was made by the Principal on various activities related to TEQIP and development in college as the impact of these activities .He also provided a brief report about the agenda of meeting.

### **Part 1**

#### **Item No 1.1 Confirmation of the Minutes of the fourth Meeting of the Board of Governors held on 27-05-2014 at CE Karunagappally**

Minutes of the Fourth BOG meeting was circulated to the BOG members for confirmation. Based on the discussions the BOG confirmed the approved minutes of the BOG held on 27-05-2014

#### **Item No 1.2 Report on the action taken/action pending on the pertinent decisions in the minutes of the fourth Meeting of the Board of Governors held on 27-05-2014 at college of engineering karunagappally**

The BOG members analyzed and approved the actions taken by the College based upon the decisions made in the BOG meeting held on 27-05-2014.

### **Part 2**



### **Item No 2.1 Expenditure incurred for procurement of goods and price revisions of various completed and Committed packages**

BOG members enquired about the price variation seen in the estimated and actual amount of Package no:TEQIP11/KL/1G18/7 and Package No:TEQIP11/KL/1G18/150. They insisted to provide proper justification and documentation for the encountered price variations. They also suggested that specification and reliability of items should be properly analyzed before estimating the cost of the items. BOG members analyzed all the tables kept under the Item No2.1 and approved all the variations.

### **Item No 2.2 Expenditure incurred for completed civil works packages and status of other Civil Packages**

Based on the agenda 2.2, BOG members inquired the status of package Extension of generator room No:TEQIP11/KL/1G18/130. Mr.Shaji.L, coordinator, civil works committee and Principal informed that this civil work is coupled with another package Unitized substation No. No:TEQIP11/KL/1G18/125. The 500 KVA transformer for the substation has not yet arrived. On its arrival, it is to be mounted on the platform constructed under the package No:TEQIP11/KL/1G18/130 using crane. So the side walls and roof cannot be constructed until then. Furthermore, the cable trench constructed under the civil work TEQIP11/KL/1G18/130 cannot be closed until the HT cable to be purchased under the package No. No:TEQIP11/KL/1G18/125 is laid and connected to the 11KV line and approval from Electrical Inspectorate is obtained. So the civil work cannot be completed before the commissioning of substation. On hearing this, BOG decided to complete the formalities regarding transformer purchase as soon as possible and then fix an extension period for the package No:TEQIP11/KL/1G18/130 for one month from the date of renewal of contract for the civil work package No:TEQIP11/KL/1G18/130 and asserted that there should not be any more extension. Also it has been decided to pass the pending part payment for the above civil work on the renewal of contract.

The packages College electrical work No:TEQIP11/KL/1G18/160 and partitioning work No:TEQIP11/KL/1G18/127 came under discussion. The coordinator explained that the package partitioning work No:TEQIP11/KL/1G18/127 was delayed as the semi-finished tables in it were damaged in an accident on transit from Alappuzha to the institution. The damaged items were needed to be replaced and this additional work needed some extension. The electrical connections in the civil work No:TEQIP11/KL/1G18/160 that were intended for these tables could not be completed in time. The time period for both packages No:TEQIP11/KL/1G18/160 and No:TEQIP11/KL/1G18/127 were to be extended for four months. The coordinator, civil works committee also explained that both works are presently



over. The BOG ratified the above extension and passed the payment No:TEQIP11/KL/1G18/160.

Also BoG decided to ratify the payments for the civil works partitioning work No:TEQIP11/KL/1G18/127, Foundations for machines No:TEQIP11/KL/1G18/131, Refurbishment work of labs No:TEQIP11/KL/1G18/132 and Ceiling work of computer labs No:TEQIP11/KL/1G18/133.

### **Item No 2.3 Ratification of cancelled Packages**

BOG approved the cancellation of listed package and decided to keep a detailed justification for the cancellation.

### **Item No2.4 Details of approved packages to be initiated**

BOG analyzed and affirmed the initiation of already approved packages. There was a query in the initiation of package No:TEQIP II/KL1G18/138 ,whether it is same the canceled package NoTEQIPII/KL1G18/139.Dr.Ajil Kumar provided proper justification for the query.

### **Item No2.5 Approval of new packages added**

BOG analyzed and approved the list of packages added in the revised procurement plan.

### **Item No 2.6 Approval of the various academic programs conducted/attended by faculty and staff**

BOG analyzed and approved all academic programs conducted /attended by faculty and staff.BOG enquired about not including the number of participants in the table of in -house faculty development programmes kept in the prepared agenda for meeting and Dr Ajilkumar submitted other documents that reveals the fact.BOG insisted to send faculties only to relevant courses that take place in government institutions , IIT's and NIT's.Attending courses in private institution should not be encouraged.

### **ItemNo:2.7 Approval of Reimbursement of fee for PhD and journal publications**

BOG analyzed and approved all the request provided under the items except the request of Reji Thankachan ,Assistant Professor in Electronics and communication for reimbursing an amount of Rs 2700/- for publishing his paper in IJERT.BOG decided that publishing research works in peer reviewed journals will only be promoted.BOG also enquired about the payment of PhD fees of Mr Shaji.L,Lecturer in computer applications and decided to approve the request.

### **ItemNo:2.8 International Conference attended by smt Deepa A K -Ratification of advance paid**





BOG appreciated Deepa A K for attending international conference in China. BOG members were highly interested to meet Deepa A K and to discuss her experience in attending International conference. BOG approved the advance payment sanctioned to Deepa A K.

**ItemNo:2.9 Approval of the In-house and outstation programmes for faculty and staff for next three months**

BOG has analyzed and approved the detailed proposal of in-house and outstation training programmes for staff and faculty planned for next three months.

**Item No2.10 Report of IIC activities and Ratification/Approval**

**Item No.2.10.1 III Cell Activities Conducted**

BOG analyzed and approved the activities under III cell. They enquired about the T/A provided to students and also suggested to include the number of participants attended the industrial visit in the specified table kept as the part of agenda.

**Item No 2.10.2 III Cell Activities planned for next three months**

BOG analyzed and approved the III cell activities planned for next three months.

**Item No 2.11 Report of progress of R and D activities**

BOG members appreciated all R/D activities. Dr.AjilKumar explained about appreciation obtained from SPFU regarding the R/D activities conducted in our college. BOG insisted to give more importance to the quality of work done rather than the amount spent as the part of R and D.

**Item No2.12 Report of programmes under EAP**

BOG analyzed and approved the remedial classes already conducted and action plan for next 3 months. They enquired about the criteria for determining the number of students benefitted. They also insisted that remedial classes should only be conducted with student strength of less than 25 percentage. They also said that SC/ST student can be promoted by imparting special care and support.

**Item No 2.13 Ratification of appointment of TEQIP Clerk cum Junior Assistant**

BOG ratified and approved the appointment of TEQIP clerk cum Junior Accountant Smt Anju Y.U .

**Item No 2.14 Expenditure incurred under IOC-Ratification**



BOG analyzed and approved the expenditure incurred under IOC for giving salary to TEQIP staff and expenditure incurred for consumables.

### **Part 3**

#### **Item No 3.1 Summary of Expenditure as on 12 December 2014**

**BOG reviewed the summary of expenditure**

#### **Item No 3.2 Faculty Position as on 1.12.2014**

BOG analyzed various faculty positions and insisted that for next BOG meeting Director should surely be present to discuss about the faculty deficiency.

#### **Item No 3.3 Report on visit of mentor**

BOG analyzed the report on visit of mentor.

#### **Item No 3.4 Report on status of accreditation**

BOG analyzed and reviewed the status of accreditation.

#### **Item No 3.5 Report on signing MoU with IIT Guwahati as knowledge Incubation Centre**

BOG analyzed the report of MoU signed with IIT Guwahati .Dr Ajilkumar inquired about the using flight means for travelling, in order to attend 2 days courses in IIT Guwahati.Bog insisted to request IIT Guwahati to extend the course period of course. If not possible then use flight for travelling purpose.

### **Part 4**

- **Item 4.1**

BOG decided to refund the amount spent from IOC for travelling purpose for booking flight for attending the cancelled course of ESCI ,Hyderabad.BOG affirmed that amount is refunded because Institution because the institution has decided to cancel the course.

- BOG decided to force the discontinued student to refund the scholarship amount that she has received.Other wise her TC and qualification certificate should be withheld.
- BOG decided not to give scholarship amount to failed MTech students.



- BOG affirmed that Manoj Ray D former HOD CSE department who has been deputed for PhD, can still be a member of BoG and attend BOG meetings.
- Next BOG meeting is planned to be held on February 2015

The meeting adjourned at 1.00P.M

Chairman  
Principal

Dr.Hari.V.S

Prof V.P.N Nampoori



**Minutes of the Third Research Guidance Committee for TEQIP II at College of Engineering Karunagappally, Karunagappally, Kollam, Kerala Conducted on 21/03/2015 at 10:00 AM in Principal's room under the chairmanship of Senior Research Advisor Prof. E.Gopinathan**

No: CEK/TEQIP/RPC/03/2014.

21-03-2015

**Agenda**

Silent Prayer

Welcome address by the TEQIP Co-Ordinator Dr. Ajil Kumar sir.

**1.1 Confirming the Minutes of the Second Meeting of the Research Guidance Committee held on 06-12-2014 at College of Engineering Karunagappally.**

The Minutes of the second Meeting of the Research Guidance Committee held on 06-02-2014 at College of Engineering Karunagappally was sent to the Chairman for his approval and upon his approval copies were circulated among the other members of the RGC. A copy of the Minutes is appended as **Annexure 1** for confirmation.

The Committee may consider the Minutes for approval.

**1.2 Evaluation of the progress of the projects based on the Extension request reports submitted by the Principal Investigators**

The Principal investigators submitted the Extension reports of the projects for which they had availed Research Seed Money.

**1.3 Evaluation of the projects based on the presentations by the Investigators**

The Principal Investigators may be asked to present the progress reports.

**1.4 Any other matter regarding improvement of Research and Development**

**The following members were present:**

1. Prof. (Dr.) Gopinathan E, Former Director, NIT Calicut, SRA of the Institution (Chairman)
2. Dr. Ajilkumar A, TEQIP II Coordinator, Member
3. Dr. Rajkumar Choudhary, Scientist Space Physics Laboratory, VSSC, Member
4. Sri. Shajahan M, Scientist Space Physics Laboratory, VSSC, Member
5. Ms. Smitha P, R&D Coordinator, Member

The Meeting started at 10.00.AM under the presidency of the Hon'ble Chairman with a silent prayer followed by welcome address by Dr. Ajilkumar A. He also briefed about TEQIP II and the progress of R & D activities at CE Karunagappally.

**Resolutions Adopted**

**1.4 Item No 1.1 / RGC 3: Confirming the Minutes of the Second Meeting of the Research Guidance Committee held on 06-12-2014 at College of Engineering Karunagappally.**

Minutes of the second RGC meeting held on 06.12.2014 was circulated to the RGC members for confirmation. Based on the discussions, the RGC confirmed the approved minutes of the RGC



meeting held on 21.03.2015.

### **1.5 Item No 1.2 / RGC 3: Evaluation of the progress of the projects based on the Extension request reports submitted by the Principal Investigators**

The extension report submitted by the Principal Investigators (PIs) were discussed in detail. The comments received from the Hon'ble Chairman were also discussed. The Committee decided to find the reality and further, the Principal Investigators were asked to present the progress of the proposals.

### **1.6 Item No 1.3 / RGC 3: Evaluation of the projects based on the presentations by the Investigators**

The Committee asked the Faculty members to present the progress of the proposals and the presentations started at 10.30 am in the Seminar Hall. The Principal Investigators presented the progress of the projects and the details of the discussions are given below:

#### **1. Video Tampering Detection –An application to video forensics - Remya R S**

The Principle Investigator(PI) explained the work done in this project with results. All the external members enquired about the relevance of 100 percentage results and PI explained the factors incorporated in this project. Shajahan sir asked to get help from forensic department for the verification. Remya enquired the joint submission with C-DAC persons and CET for helping in this work. But nobody ready to accept this project. Remya asked for an extension of six months. The committee initially provided 4 months. Since she plan to do Internship at IIT Delhi for 2 months from May to July(6-8 weeks), she will get a total of six months. Committee told that she can efficiently utilize the resources at IIT Delhi during this period advised her to complete the work by that time.

#### **2. Automatic detection of Lymphocytic Luekemia- Remya R S**

PI presented the progress of the project. For Project proposal, she contacted RCC, submitted permission from IRB, IRB Sanctioned the permission and MOU format discussion is going on. Members asked about the funding agency and PI replied to submit before ICMR. A MOC proposal is sent to ICMR. PI is Dr. Hariharan, HoD(Cytogenetic Deptment). She presented the expenditure statement and explained the reasons for the extension. For signing the MOU related discussions and MOC proposal acceptance need 4 months. Gopinathan sir suggested to publish in journal rather than for presenting before conferences.

#### **3. Handwritten character recognition from manuscripts written in ancient Grantha scripts &**

#### **4. Handwritten character recognition of various ancient and current Malayalam fonts- JYOTHI R L**

PI presented the developments in the project work and discussed about the results obtained and the stage of the proposal. She submitted a paper for an international conference at Tunisia and the acceptance will be known only on May 24<sup>th</sup>. Choudhary sir suggested not to send latest work developments to conference and also added that to publish in reputed journals. PI accepted it and she is waiting for good results to publish in journal. She also explained that modification of the zone based analysis is a new idea and nobody tried it. Gopinathan sir suggested to send it in a journal. Gopinathan sir & shajahan sir jointly suggested that even though the paper is rejected, you will get excellent comments on the paper and it will help you to improve. PI asked for 3 months extension for finding a PI. All members opined that the researcher of this institution must be PI and make the other person as Co – PI.

Gopinathan sir asked about the need of only 3 months? Can you complete by this time? PI replied that the procedures for MoU, consent from LBS etc need to be completed and hope to complete these procedures within three months. As the PI has asked for extn for three months only, she has to complete all the works by this time. Further time will not be given for extension.



#### 5. **Smitha** : Automated Cancer Detection and Grading of Breast Microscopy Images

PI presented the developments in the project work and discussed about the results obtained and the stage of the proposal. **Shajahan sir & Choudhary sir** asked why automation is not yet done and Why 3 years needed for further work? PI replied that the detection is done only for 2 types of cancer cells. Detection of many other types of cancers are in breast cells, have to be done. She asked for 6 months extension. This is needed for the submitting the project proposal through RCC, Trivandrum and proposal is under the consideration of IRB of pathology department. But there is an opinion difference among the IRB members. So they redirected for an opinion from outside that institution and waiting for the reply. **Gopinathan sir** asked about the journal publications and Investigator replied that she had sent it for Biomedical Research Journal.

#### 6. **Deepa A K** - Image Processing Techniques for Breast Image Analysis

PI asked to explain the extension request and she told that she need 4 months extension because she discussed it with the RCC Trivandrum and they had accepted to provide before their IRB. She is waiting for the result. She explained about the results obtained in this work. All the members are satisfied with the result and they asked to prepare journal papers to publish in reputed journals.

#### 7. **Shajy. L** : Early Lung Cancer Detection Through Extraction And Analysis Of Sputum Cell Images

PI presented the details and the results achieved in the work. Choudhary sir enquired about the results of existing methods and the PI replied that the accuracy of this method is better than existing method (Got 89.8%, while existing is only 86%). Gopinathan sir asked about the publications and PI replied that he has published in a IEEE explore and another paper is under publication of another journal. PI asked for six months extension and both this project and smitha's project are under same Co-PI from RCC and also a common proposal given in IRB, awaiting the results due to the same reasons stated by smitha.

#### 8. **Hari V S** : The visualization and modeling of raw MRI signals for volume segmentation and estimation.

PI explained the progress in the work and discussed about the results obtained. Shajahan sir and gopinathan sir asked about the filter usage in this work. PI explained it and requested for 4 months extension for getting the IRB sanction and MoU between SCTIMS, Trivandrum. Dr. Kesavadas Chandrasekar accepted this work and will be assisting in this work. Choudary sir asked about the paper work and publishing done in this work. PI explained that work is in progress and will be publishing soon.

### 1.4 Any other matter regarding improvement of Research and Development

After completing all the presentations a meeting was conducted at the principals chamber and chairman appreciated the work and its status. All the members accepted all the requests as they felt the reality in the request. Sir also suggested that the PI must be from our institution and the other supporting persons from outside must be co-PI's. This was accepted by all the other external members. Similarly for the MOU discussions with the other institutions Principal and TEQIP Coordinator should also accompany the PI. Then the discussion will be considered in higher level and will be proceeded in proper direction. Also the new work should be published in journals not in conferences. This also accepted by all the external members. External members are ready to help the projects in any situation. Shajahan sir also accepted to help with some boards at VSSC. After having a Tea and snacks the meeting adjourned.



Government of Kerala  
Dept. of Higher Education  
(Technical Education)

# STATE PROJECT FACILITATION UNIT KERALA (TEQIP)



DIRECTORATE OF TECHNICAL EDUCATION  
Fort P.O., Thiruvananthapuram

Phone : 91 - 471 - 2463822, 2561433, 2561402, 2561417 | Fax : 91 - 471 - 2463822, 2463733 | e-mail : spfu.teqip.kerala@gmail.com

V. Gopakumar Ph.D.  
Director

No: SPFU/52 /2013

11<sup>th</sup> December 2014

To

The Principal  
College of Engineering Karunagappally

Sir,

Sub: SPFU, Kerala – TEQIP II – Statutory Audit Report – Regarding.

I am forwarding herewith Statutory Audit report for the Financial Year 2013-2014  
for your information and compliance.

Yours faithfully,

Dr.V.Gopakumar  
Director, SPFU, Kerala

387/14  
15/12/2014





## COLLEGE OF ENGINEERING, KARUNAGAPALLY

- MANAGEMENT LETTER
- UTILIZATION CERTIFICATE
- BALANCE SHEET
- INCOME AND EXPENDITURE ACCOUNT
- RECEIPTS AND PAYMENTS ACCOUNT
- STATEMENT OF SOURCES AND APPLICATION OF FUNDS
- STATEMENT OF RECONCILIATION OF CLAIMS TO TOTAL APPLICATION OF FUNDS
- BANK RECONCILIATION STATEMENT

PROJECT INSTITUTIONS UNDER STATE PROJECT FACILITATION UNIT, KERALA





**K. VENKATACHALAM AIYER & Co.**

**CHARTERED ACCOUNTANTS**

No. XVI/ 118K, Second Floor,  
ADITHYA COMMERCIAL ARCADE  
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Tel • (0481) 2564794, 3201843, Fax • 2561457  
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kvaiyerktm@asianetindia.com • agopalk@sify.com

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP II)**  
**MANAGEMENT LETTER**

**COLLEGE OF ENGINEERING, KARUNAGAPALLY**

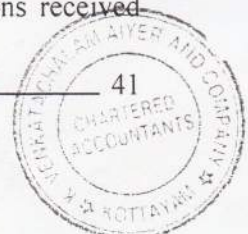
To

The Director,  
State Project Facilitation Unit Kerala,  
Directorate of Technical Education,  
Trivandrum

We have audited the *Project financial statements of College of Engineering, Karunagapally, Kerala under TEQIP Phase II* for the year ending 31st March, 2014 and have issued our consolidated report dated 26.09.2014. The matters involving the internal accounting control structure and its operations that we consider to be material weakness in accordance with the standards referred to above have been dealt with in our audit report.

The following observations were examined during the course of the audit on the accounting records, systems and control:

1. The Project Institution follows Cash System of Accounting for accounting the activities of *TEQIP Phase II*.
2. We have noticed that, the documentations in respect of transactions effected at the Project Institution under TEQIP Phase II need to be improved.
3. We have noticed that the institution maintains "Four Funds" but not accounted transactions fully in the books of accounts (tally). So we are not in a position to identify the transactions in these accounts. As per the Confirmations received





**K. VENKATACHALAM AIYER & Co.**  
**CHARTERED ACCOUNTANTS**

No. XVI/ 118K, Second Floor,  
ADITHYA COMMERCIAL ARCADE  
Near Axis Bank, Nagampadam,  
KOTTAYAM, Kerala - 686 001

**Tel** • (0481) 2564794, 3201843, **Fax** • 2561457  
**Email** • kvaiyer@gmail.com • kvaiyer@sify.com  
kvaiyerktm@asianetindia.com • agopalk@sify.com

from the bank, Faculty Development Fund has a balance of Rs 34,070/- ,  
Equipment Replacement Fund has a balance of Rs NIL , Maintenance Fund has  
a balance of Rs NIL- and Corpus Fund has a balance of Rs Nil-as on 31.03.2014.

4. Reconciliation between unspent balance as per Utilization Certificate and Closing  
cash and bank balances are as follows.

Unspent Balance as per Utilization Certificate	Rs	55 57 975.00
Less : Net Current Asset Excluding Cash & Bank	Rs	1 60 600.00
Add : Contribution from Project Institution	Rs	-
Less : Cash in Hand	Rs	-
<b>TOTAL</b>		<b>53 97 375.00</b>

**Balance as per Bank statement**

a. SBT A/c 67219137689	: Rs	53 97 375.00
b. Corpus Fund *	: Rs	
c. Equipment Replacement Fund *	: Rs	
d. Faculty Development Fund *	: Rs	
e. Maintenance Fund *	: Rs	
<b>TOTAL</b>		<b>53 97 375.00</b>

5. During the course of audit it was observed that the FMR submitted by the  
institution for the year ended March 2014 doesn't tallied with the actual  
expenditure incurred till the end of March 2014. The details of which are as  
follows :

Total expense as per FMR	: Rs 197.64 Lakhs
Total expense as per Books	: Rs 197.32 Lakhs





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6. Other Observations are furnished in **Annexure I.**

**For K VENKATACHALAM AIYER & CO**

Chartered Accountants

Firm Reg No: 004610S

**CA M G SURESH KUMAR B.Sc,FCA,DISA(ICA)**

Partner | Membership No:212795

Date : 26.09.2014

Place : KOTTAYAM





## TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE II

### STATUTORY AUDIT 2013-2014

### OBSERVATIONS – ANNEXURE I

#### COLLEGE OF ENGINEERING KARUNAGAPALLY , KOLLAM

SL NO	OBSERVATIONS	MANAGEMENT REPLY
<b>I</b>	<b>RESEARCH AND DEVELOPMENT</b>	
1	During the year the Institution paid Rs 8, 00,000/- as Seed Money for eight Research programs (Rs. 1, 00,000/- each) on 28/02/2014. It was booked as expense on the same day. It should be treated as advance because the final settlement and the benefit from it were not yet realized. So Rs 8,00,000/- should be transferred from this head of account to advance account.	Since settlement of seed money was possible only after the duration of one year and also advances are to be settled within three months, the seed amount was considered as expenditure. Recommendations from the audit team will be followed
<b>II</b>	<b>OPERATION AND MAINTANENCE</b>	
1	In the proceedings related to Operation and Maintenance expense of Rs. 48,819/- accounted on 22.10.2013, it was mentioned that only principal will attend the review meeting. But in real, bills were claimed for 3 persons.	Proceedings for advance payment includes the name of participants, which was requested by the Principal, hence settlement by him
2	Supporting vouchers for the expense of taxi charge Rs. 5,000/- paid to mentor Prof. Sudheer K P, IIT Madras was not available.	The vouchers for the expense of taxi charge were misplaced. Now the vouchers are attached to the file. Also, as per TA bill of Dr. Sudheer K.P. it was found the charges were claimed as per rate fixed through G.O.
<b>III</b>	<b>GENERAL</b>	
1	TDS account was showing a debit balance of Rs. 2,400/-, being the excess payment.	This is due to the wrong entry in Tally. Now it is rectified.
2	<b><u>Establishment of four Funds:</u></b> <ol style="list-style-type: none"> <li>Creation and establishment of Four Funds is a Project requirement that is to be complied with by all institutions.</li> <li>These Funds should not be used during the Project period as funds for various activities are available under the Project.</li> <li>Each project institution is to build these Funds with annual contribution into each</li> </ol>	As per recommendations tally has been updated





	<p>Fund equal to at least 0.5% (total 2%) of annual total recurring expenditure of the institution.</p> <p>During the course of audit it was observed that the college not accounted these bank accounts in Tally.</p>	
4	<p>In 100% cases, only Flight tickets were made available for verification of travelling expenses claimed. Taxi Charges and 2<sup>nd</sup> A/c train tickets claimed were not attached in any case. Thus, the authenticity of expenses claimed cannot be certified.</p>	<p>As per Government rules Train journey in II Class A/c is permissible and also Taxi Charges at the rate fixed vide G.O. can be availed. So, those who availed the permissible rates were not insisted to submit the tickets. But, if the actual fare of taxi was more, then proof was insisted.</p>







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**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP II)**  
**UTILIZATION CERTIFICATE**

**COLLEGE OF ENGINEERING, KARUNAGAPALLY**

a) Opening Balance as on 1st April 2013	: Nil
b) Funds received from	
i) Grant received from SPFU	: Rs 2 50 00 000
c) Interest earned on grant available for TEQIP Only during the year (31st March 2014)	: Rs 2 90 336
d) Other Income	: NIL
e) Expenditure	: Rs 1 97 32 361

**Unspent Balance** : **Rs 55 57 975**

Certified that a sum of Rs.2 50 00 000 ( Rupees Two Crores Fifty Lakhs ) only was received by The College of Engineering Karunagapally, for the financial year 2013-14 from State Government. It is also certified that out of the above-mentioned funds of Rs.2 50 00 000 ( Rupees Two Crores Fifty Lakhs ) only a sum of Rs. 1 97 32 361 (Rupees One Crore Ninety Seven Lakhs Thirty Two Thousand Three Hundred and Sixty One) only has been utilized by the Institution during the year for the purpose for which it was sanctioned. It is further certified that an unspent balance of Rs. 55 57 975 (Rupee Fifty Five Lakhs Fifty Seven Thousand Nine Hundred and Seventy Five) only is being carried forward for utilization in the next year.





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We further certify that the conditions on which the grant was sanctioned have been fulfilled and where there have been any deviation from the sanctioned amount it is with prior approval of the concerned authority. We have exercised reasonable checks to see that money has been actually utilized for the purpose for which it was sanctioned.

**For K VENKATACHALAM AIYER & CO**

Chartered Accountants

Firm Reg No: 004610S

**CA M G SURESH KUMAR B.Sc,FCA,DISA(ICA)**

Partner | Membership No:212795

Date : 26.09.2014

Place : KOTTAYAM







# TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

PROJECT INSTITUTIONS UNDER STATE PROJECT FACILITATION UNIT, KERALA

## BALANCE SHEET AS AT 31.03.2014 COLLEGE OF ENGINEERING, KARUNAGAPALLY

(Amount in Rs)

S.No	PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
A	<b>SOURCE OF FUNDS</b>		
	<b>GENERAL FUND</b>		
	Opening balance	-	
	Less : Exces of Expenditure over Income	-	
	Add : Excess of Income Over Expenditure	5,557,975.00	
		55 57 975.00	-
	<b>TOTAL</b>	55 57 975.00	-
B	<b>APPLICATION OF FUNDS</b>		
	1) FIXED ASSETS	-	-
	2) Work-In-Progress-Scheme work under Implementation	-	-
	3) A.Current Assets , Loans and Advances		
	a. Cash Balance	-	-
	b. Bank balance	53 97 375.00	-
	c. Advance for Capital goods	-	-
	d. Loans and Advances	160,600.00	-
		5,557,975.00	-
	B. Less: Current Liabilities		
	a. Earnest Money Deposit	-	-
	b. Performance Security	-	-
	c. Statutory Liabilities	-	-
	d. Advance by Institutions	-	-
		-	-
	Net Current Assets (A-B)	55 57 975.00	-
	<b>TOTAL</b>	55 57 975.00	-

For SPFU , KERALA

For K VENKATACHALAM AIYER & Co.

Chartered Accountants

Dr. V GOPA KUMAR  
(Director)

LINDSEY THOMAS  
(Finance Officer)

CA M G SURESH KUMAR B.Sc FCA DISA(ICA)  
Partner | Membership No: 212795

Date : 26.09.2014

Place : Kottayam







**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) II**  
PROJECT INSTITUTIONS UNDER STATE PROJECT FACILITATION UNIT, KERALA

**INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31.03.2014**  
COLLEGE OF ENGINEERING, KARUNAGAPALLY


EXPENDITURE	AMOUNT (IN RS)		INCOME	AMOUNT (IN RS)	
	31.03.2014	31.03.2013		31.03.2014	31.03.2013
To 1.1.1					
Improvements in teaching ,training and learning facilities :			By Grant From SPFU	2 50 00 000.00 ✓	
1.1.1A - Equipment	97 56 789.00 ✓		By Interest Received	2 90 336.00 ✓	
1.1.1B - Furniture	.00				
1.1.1C - Books & LR's & Software	16 35 371.00 ✓				
1.1.1D - Minor Items	-				
1.1.1E - Civil Works	980,879.00 ✓				
To 1.1.2					
Providing Assistanantships for increased enrolment in existing and new PG programmes in Engineering disciplines.	1,812,000.00				
To 1.1.3					
Enhancement of Research & Development and institutional consultancy activities.	8 37 355.00 ✓				
To 1.1.4					
Faculty and staff development for improved competence based on Training Needs Analysis.	24 05 278.00				
To 1.1.5					
Enhanced interaction with Industry	2 00 233.00 ✓				
To 1.1.6					
Institutional Management Capacity	2 84 264.00				



[illegible]


For SPFU, KERALA

  
Dr. V. GUPTA KUMAR  
(Director)

  
LINDSEY THOMAS  
(Finance Officer)

For K VENKATACHALAM AIYER & Co.

Chartered Accountants

Chartered Accountants  
  
**CA M G SURESH KUMAR B.Sc FCA DISA(ICA)**  
**Partner | Membership No: 212795**

Date : 26.09.2014  
Place : Kottayam





**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) II**  
PROJECT INSTITUTIONS UNDER STATE PROJECT FACILITATION UNIT, KERALA

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD ENDED 31.03.2014**  
COLLEGE OF ENGINEERING, KARUNAGAPALLY

RECEIPTS	AMOUNT (IN RS)		PAYMENTS	AMOUNT (IN RS)	
	31.03.2014	31.03.2013		31.03.2014	31.03.2013
To Opening balance :			By 1.1.1		
1. Cash in Hand	-		Improvements in teaching ,training and learning facilities :		
2. Balance with Banks :			1.1.1A - Equipment	97 56 789.00	
a. SBT A/c 67219137689	-		1.1.1B - Furniture	.00	
b. Corpus Fund	-		1.1.1C - Books & LRs & Software	16 35 371.00	
c. Equipment Replacement Fund	-		1.1.1D - Minor Items	-	
d. Faculty Development Fund	-		1.1.1E - Civil Works	980,879.00	
e. Maintenance Fund	-		By 1.1.2		
To Interest Received	2 90 336.00		Providing Assistanantships for increased enrolment in existing and new PG programmes in Engineering disciplines.	1,812,000.00	
To Security Deposit			By 1.1.3		
To Grant Received from SPFU	2 50 00 000.00		Enhancement of Research & Development and institutional consultancy activities.	8 37 355.00	
To Sale of Bid documents			By 1.1.4		
To VAT on Sale of Tender forms			Faculty and staff development for improved competence based on Training Needs	24 05 278.00	
To EMD			By 1.1.5		
To Registration fee collected			Enhanced interaction with Industry	2 00 233.00	
To Contribution From Project Institution			By 1.1.6		
			Institutional Management Capacity enhancement	284,264.00	
			By 1.1.7		
			Implementation of Institutional academic reforms	1 12 360.00	
			By 1.1.8		
			Academic support for weak students	3 08 803.00	
			By 1.1.9		
			Incremental Operating Cost		
			1.1.9A - Salaries	3 02 348.00	
			1.1.9B - Consumables	1 85 883.00	
			1.1.9C - Operation & Maintenance	9 10 798.00	



337






			By Advance to Staff	1 60 600.00	
			By EMD Returned		
			<b>By Closing balance :</b>		
			1. Cash in Hand		
			2. Balance with Banks :		
			a. SBT A/c 67219137689	53 97 375.00	
			b. Corpus Fund *	-	
			c. Equipment Replacement Fund *	-	
			d. Faculty Development Fund *	-	
			e. Maintenance Fund *	-	
<b>Total</b>	<b>2 52 90 336.00</b>	<b>.00</b>	<b>Total</b>	<b>2 52 90 336.00</b>	<b>.00</b>

*\*We have noticed that the institution maintains "Four Funds" but not accounted transactions fully in the books of accounts (tally). So we are not in a position to identify the transactions in these accounts. As per the Confirmations received from the bank, Faculty Development Fund has a balance of Rs 34,070/- , Equipment Replacement Fund has a balance of Rs NIL , Maintenance Fund has a balance of Rs NIL- and Corpus Fund has a balance of Rs Nil-as on 31.03.2014.*

For SPFU , KERALA

  
Dr. V GOPA KUMAR  
(Director)

  
LINDSEY THOMAS  
(Finance Officer)

Date : 26.09.2014  
Place : Kottayam

For K VENKATACHALAM AIYER & Co.  
Chartered Accountants

  
CA M G SURESH KUMAR B.Sc FCA DISA(ICA)  
Partner | Membership No: 212795





TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP]  
PHASE – II

STATEMENT OF SOURCES AND APPLICATION OF FUNDS  
REPORT FOR THE YEAR ENDED 31.03.2014

COLLEGE OF ENGINEERING, KARUNAGAPALLY

In Rs.Lakhs

Particulars	Current Year	Previous Year	Project to Date
(A) Opening Balance	-		
(B) Receipts			
a). Funds from Government through Budget (These will include external assistance received by Government for the project)	250.00		250.00
b). Funds received directly by Project Implementing authority through external assurances	-		-
c). Cost share by Private Unaided Institutions for Component 1	-		-
d). Interest Received	2.90		2.90
e). Other Amount Received (Net of Payments)			-
f). Advance From Institutions	-	-	-
<b>Total Receipts</b>	<b>252.90</b>	<b>-</b>	<b>252.90</b>
(C) Total Sources (A+B)	252.90	-	252.90
(D) Expenditure			
Expenditure by Component			
A. Improving Quality of Education	197.32		197.32
B. Improving System Management	-	-	-
<b>Total Expenditures</b>	<b>197.32</b>	<b>-</b>	<b>197.32</b>
(E) Advance for Expenditures	1.61		
Closing Balance, (C-D-E)	53.97	-	




# TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP]

## PHASE – II

### COLLEGE OF ENGINEERING, KARUNAGAPALLY

#### Reconciliation of Claims to Total Application of Funds

Report for the year ended 31.03.2014

Bank Funds Claimed During the Year (A)

Total Expenditure made during the year (B)

Less: Outstanding bills (C)

Ineligible expenditures (D)

(a) Seed Money

(b) Others

Expenditures not claimed (E)

Total Eligible Expenditures Claimed (F)=(B)-(C)-(D)-(E)

World Bank Share @ 60 % of (F) above (G)

Schedules	Amt (Rs.Lakhs)		
	Current Year	Previous Year	Project to date
I	113.59	-	113.59
	197.32	-	197.32
II			
III			
	8.00	-	8.00
	-	-	-
IV			
	189.32	-	189.32
	113.59	-	113.59

CFAO

Project Director

Date : 26/09/2014

Date : 26/09/2014

Note:

The ineligible expenditure of Rs. 8.00 lacs refers to Seed Money given to Staff for Research & Development. This was wrongly shown as expenditure in the Project Financial statements.







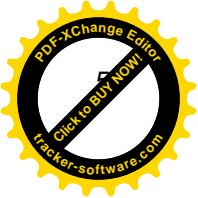
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) II  
PROJECT INSTITUTIONS UNDER STATE PROJECT FACILITATION UNIT, KERALA  
**BANK RECONCILIATION STATEMENT**  
COLLEGE OF ENGINEERING, KARUNAGAPALLY

Month March-14  
Bank's Name State Bank of Travancore  
A/c Number 67219137689

Sl.No	Particulars	Amount Rs.	Amount Rs.
A	Balance as per Bank Statement		55 43 444.00
B	Add: (i) Amount Deposited but not Credited by Bank (ii) Amount debited but not taken to Cash Book	- -	
C	Sub total (A+B)		55 43 444.00
D	Less: (i) Cheques issued but not presented in the bank (ii) Amount credited by bank but not taken to Cash Book	1 46 069.00 -	
E	Balance as per Cash book (C - D)		53 97 375.00

List of Cheques not presented in the Bank as per D	Amount Rs	Date of Encashment
Cheque No. 379147	2 062.00	18.06.2014
Cheque No. 379117	1 705.00	03.05.2014
Cheque No. 379146	2 269.00	03.05.2014
Cheque No. 379171	1 636.00	20.05.2014
Cheque No. 379118	1 705.00	02.04.2014
Cheque No. 379163	6 432.00	02.04.2014
Cheque No. 379148	200.00	03.04.2014
Cheque No. 379158	614.00	03.04.2014
Cheque No. 234194	1 094.00	21.04.2014
Cheque No. 379160	18 489.00	03.04.2014
Cheque No. 379165	1 189.00	03.04.2014
Cheque No. 379162	29 986.00	04.04.2014
Cheque No. 379151	17 862.00	05.04.2014
Cheque No. 379159	2 800.00	05.04.2014
Cheque No. 379149	5 000.00	08.04.2014
Cheque No. 379161	12 894.00	08.04.2014
Cheque No. 379168	1 636.00	09.04.2014
Cheque No. 379128	23 884.00	12.04.2014
Cheque No. 379116	1 705.00	12.04.2014
Cheque No. 379169	1 636.00	12.04.2014
Cheque No. 379115	1 705.00	16.04.2014
Cheque No. 379152	1 644.00	16.04.2014
Cheque No. 379164	1 189.00	16.04.2014
Cheque No. 379170	1 636.00	16.04.2014
Cheque No. 379166	1 189.00	21.04.2014
Cheque No. 379167	1 872.00	21.04.2014
Cheque No. 234201	2 036.00	26.04.2014
TOTAL	1 46 069.00	





# PERFORMANCE AUDIT FORMS

## INSTITUTIONAL PERFORMANCE PROFILE

AUDIT VISIT NUMBER: 1 (2) 3 4

(Circle number of the visit, as appropriate)

NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

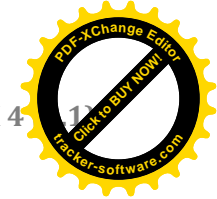
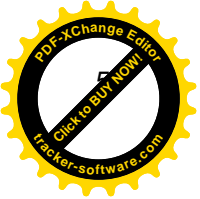
NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY  
THODIYOOR P.O., KOLLAM, KERALA-690523

THPIP REF	INSTITUTIONAL PERFORMANCE PROFILE	OVERALL EVALUATION GRADES
COMPONENT 1: IMPROVING THE QUALITY OF EDUCATION IN SELECTED INSTITUTIONS		
1.1	STRENGTHENING INSTITUTIONS TO IMPROVE LEARNING OUTCOMES AND EMPLOYABILITY OF GRADUATES	02
1.2	SCALING-UP POSTGRADUATE EDUCATION AND DEMAND-DRIVEN RESEARCH AND DEVELOPMENT AND INNOVATION	03
1.2.1	ESTABLISHING CENTRES OF EXCELLENCE	NA
1.3	FACULTY DEVELOPMENT FOR EFFECTIVE TEACHING (PEDAGOGICAL TRAINING)	02
COMPONENT 2: IMPROVING SYSTEM MANAGEMENT		
2.1	CAPACITY BUILDING TO STRENGTHEN MANAGEMENT	02
2.1.1	IMPLEMENTATION OF GOOD GOVERNANCE	02
2.2	PROJECT MANAGEMENT, MONITORING AND EVALUATION	03

INSTITUTIONAL PERFORMANCE PROFILE GRADES AND GRADE DESCRIPTORS	
1.	<b>Substantial evidence of good practice</b> in the quality and standards achieved (Assessment identifies clear supporting evidence for at least 75% of the relevant practices.)
2.	<b>Some evidence of good practice</b> in the quality and standards achieved (Assessment identifies clear supporting evidence for at least 50% of the relevant practices.)
3.	<b>Not in place</b> (there may be one of the three primary reasons for this: a) no evidence can be found, b) there is evidence, but it is not of acceptable quality, or c) that there are plans for development but these have not yet taken place – in which case the auditor can indicate the expected date of completion/implementation but the grade should remain 3.)

**NOTE: Supporting evidence:** The grade descriptors have two elements: one relating to the amount of the evidence (none, some or substantial); and one relating to the quality of the practice about which the evidence is gathered (is it good quality, or not?). So, for example, a grade of 1 means both that the evidence is good quality and that there is a substantial amount to demonstrate that it is of good quality (75% or more for the practices found).



**PERFORMANCE AUDIT FORM (1.1)****COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS**

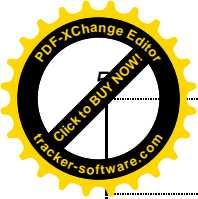
NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

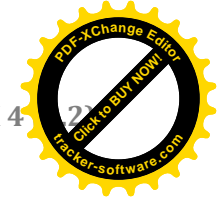
NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY THODIYOOR P.O., KOLLAM, KERALA-690523

**1.1:STRENGTHENING INSTITUTIONS TO IMPROVE LEARNING OUTCOMES AND EMPLOYABILITY OF GRADUATES**

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<b>A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions, including:</b> <ul style="list-style-type: none"><li>▪ Increase in the satisfaction index of student and faculty</li></ul>	1 -- Twelve faculty members were trained in subject domain, 2 faculty members got training in management and 04 faculty members were trained in Module I of Pedagogical training, 05 new laboratories were established for existing PG programs and 07 existing laboratories of UG and PG programs were updated by spending Rs. 207 lakhs. This has facilitated conduct of theory and practicals classes. Faculty indicated a level of satisfaction of 75% The students evidenced the changes due to the project initiatives, like modernsation of classrooms into Smart Classrooms. Refurbishment of Laboratories, establishment of new laboratories.This has helped to improve teaching learning process. Faculty shortage continues to affect the teaching and lack of experienced faculty further affects the teaching particularly at higher semesters. They indicated overall level of satisfaction of 60 %
<b>B. Obtaining Academic Autonomy status, including:</b> <ul style="list-style-type: none"><li>▪ Number of institutions that have obtained '<i>Autonomous Institution status</i>' as per University Grants Commission process within 2 years of joining the Project, or</li></ul>	3 – College has submitted the application for autonomy to UGC through Cochin University of Science and Technology (CUSAT), Cochin to which the college is affiliated. The application is under process at UGC
<ul style="list-style-type: none"><li>▪ Effectiveness of utilization of academic autonomy possessed/ obtained (See Table-26 in PIP)</li></ul>	3 -- Institution is financially autonomous and partially academic autonomous.
<b>C. Effort made by Institutions for upgrading qualifications of faculty members, including:</b> <ul style="list-style-type: none"><li>▪ Percentage of faculty enrolled in MTech and PhD</li></ul>	2 – 75% of B Tech faculty has enrolled for M Tech. Institute has achieved 75% which is more than that set in the IDP. 9.5 % of M Tech faculty has registered for PhD against the target of 20 %. The enrollment of faculty for higher education is controlled by IHRD and IHRD has to decide about the nominations for registration on the basis of faculty required for regular teaching and also the seniority of the faculty as it has to cater to the needs of all colleges running under



	its ambrela.
<b>D. Existing teaching and staff vacancies and effort made by Institutions for filling the vacancies, including:</b> <ul style="list-style-type: none"><li>Percentage of faculty and staff positions filled and vacant</li></ul>	<p>2 – Sanctioned posts are P – 3, Asso. P – 11 and Asstt. P – 42. Three posts of Professor, 3 posts of Asso. Prof. are vacant. Following is the position of regular appointments: Asso. P – 8, Asstt. P – 25.</p> <p>Following is the position of appointments on contract basis: Asstt. P: 17 against Asstt. P's posts, 3 against Asso. P' s posts and 3 against P's posts. As per the permission granted by IHRD 04 Asstt. Prof. are additionally appointed for PG programs. 72.73% of regular faculty is having a Masters Degree or a Doctorate Degree in engineering disciplines.</p> <p>The post on regular basis are filled by IHRD from state level aspirants through advertisement.</p>
<ul style="list-style-type: none"><li>Increase in faculty appointed on regular basis</li></ul>	3 – No new addition was made.
<b>E. Effectiveness of equity at Institutional level, including:</b> <ul style="list-style-type: none"><li>Transition rate of students from the First to the Second year in Undergraduate programmes</li></ul>	3 – Only 34.46% (post reevaluation) students have passed first year completely in 2012-13and come to second year in 2013-14. Results for 2013-14 are awaited.
<div>OVERALL EVALUATION GRADE FOR 1.1</div> <div>USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</div>	
02	

**PERFORMANCE AUDIT FORM (1.2)****COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS**

NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY THODIYOOR P.O., KOLLAM, KERALA-690523

**1.2: SCALING-UP POSTGRADUATE EDUCATION AND DEMAND-DRIVEN RESEARCH & DEVELOPMENT AND INNOVATION**

<b>MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS</b>	<b>SUPPORTING EVIDENCE</b> (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<b>A. Effectiveness of funds utilised for the teaching, training, learning and research equipment, library, computers, etc. by the institutions, including:</b> <ul style="list-style-type: none"><li>▪ Increase in the satisfaction index of student and faculty</li></ul>	2 -- Five new laboratories were established for existing PG programs. Upgrading of 7 old laboratories completed. All Non-GATE students are given assistantship. In 2013-14 nine P.G students of CSE and ECE have obtained ranks at University in their final year and one student was ranked first in UG (IT Course)
<b>B. Effectiveness of scaling-up Postgraduate Technical Education, including:</b> <ul style="list-style-type: none"><li>▪ Increased enrolment for MTech and PhD</li><li>▪ Establishment of proposed laboratories</li></ul>	1 – 96 admissions for two PG programs are completed.
<ul style="list-style-type: none"><li>▪ Cumulative number of assistantships granted</li></ul>	3 – Laboratories are proposed for new programs in CSE and ECE for which permission from IHRD and DTE is awaited. Once the permission is received the labs will be established.
<b>C. Progress/achievement in <u>starting new Postgraduate programmes</u>, including:</b> <ul style="list-style-type: none"><li>▪ Securing AICTE approval</li></ul>	1 – Sixty four students are given assistantship
<ul style="list-style-type: none"><li>▪ Establishment of laboratories</li></ul>	3 – Institute has applied to IHRD for permission to start two new programmes one each in EC and CS. After the permission from IHRD, permission from CUSAT will be required.
<ul style="list-style-type: none"><li>▪ Adequacy of student enrolments</li></ul>	3 – Proposal for starting new laboratories is being processed but final development will depend on the permission
<b>D. Effectiveness of collaborations made with other Institutions in India and abroad, including</b> <ul style="list-style-type: none"><li>• Increase in number of co-authored publications in refereed journals</li></ul>	1 – Adequate number of students (1:10) are available for enrolment.
	3 – There is no formal collaboration with Institutions in India or abroad. However 5 papers have been published in referred journals in collaboration with faculty at CUSAT

<b>E. Increased collaboration with industry in research and development, including:</b>	MOUS with 5 industries for active interaction are signed
▪ Increase in number of joint and industry sponsored research and development work undertaken	3 – No joint or industry sponsored research and development work undertaken.
▪ Increase in financial contribution by industry for R & D	3 – Eight faculty members have been identified and given Rs. 1.00 lakh as seed money for a research project in collaboration with industry. It is expected that Industry will financially support the research work.
▪ Increase in industry personnel registered for Masters and Doctoral programmes	3 -- NIL
▪ Increase in industry personnel trained by the institution in knowledge and/or skill areas	3 -- NIL
▪ Increase in the number of consultancy assignments secured	3 – Consultancy at Taluk Hospital for equipment repair.
▪ Increase in the number of students' and faculty visits to and/or training in industry	3 – Post 1 <sup>st</sup> Audit, Two expert lectures, one industrial tutoring, one seminar, 4 industry visits and industrial training for 2 students for one month were arranged.
▪ Improvements in graduate placement rate	3 – For UG 12.17% an increase of 4% and PG 10.87% of total final year students, placed in campus interviews till date.
▪ Increase in involvement of industry experts in curricula & syllabi improvements, laboratory improvements, evaluation of students and delivering expert lectures	3 -- NIL
▪ Increase in the number of sandwich programmes between industries and the institution.	3 -- NIL
<b>F. Increase in percentage of revenue from externally funded research and development projects and consultancies as a percentage of the total revenue of the institution from all sources</b>	3 -- NIL
<b>G. Increase in the number of publications in refereed journals</b>	2 – Publications in referred international journal is 10.
<b>H. Increase in the number of patents filed</b>	3 -- NIL
<div> <div>OVERALL EVALUATION GRADE FOR 1.2</div> <div>USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</div> </div>	
03	

**PERFORMANCE AUDIT FORM (1.2.1)****COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS**

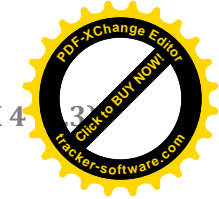
NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY THODIYOOR P.O., KOLLAM, KERALA-690523

**1.2.1 ESTABLISHING CENTRES OF EXCELLENCE**

<b>MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS</b>	<b>SUPPORTING EVIDENCE</b> (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<b>A. Establishing Centres of Excellence</b> Improvement in Research and Development facilities through: <ul style="list-style-type: none"><li>Establishment of new laboratories for applicable thematic research</li></ul>	-----NOT APPLICABLE -----
<ul style="list-style-type: none"><li>Establishment of a knowledge resource centre (library) in the thematic area</li></ul>	
<ul style="list-style-type: none"><li>Procurement of furniture</li></ul>	
<ul style="list-style-type: none"><li>Civil works</li></ul>	
<b>OVERALL EVALUATION GRADE FOR 1.2.1</b> USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)	
<b>NA</b>	

**PERFORMANCE AUDIT FORM (1.3)****COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS**

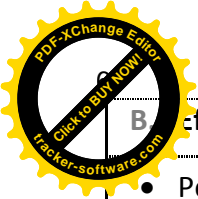
NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

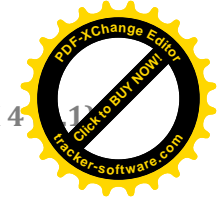
NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY THODIYOOR P.O., KOLLAM, KERALA-690523

**1.3: FACULTY DEVELOPMENT FOR EFFECTIVE TEACHING (PEDAGOGICAL TRAINING)**

<b>MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS</b>	<b>SUPPORTING EVIDENCE</b> (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<b>A. Effort made by Institutions providing Pedagogy Training to faculty, including:</b>	
<ul style="list-style-type: none"><li>Percentage of faculty who have benefitted from the core and advanced modules of pedagogy training</li></ul>	3 – 12% faculty has benefitted from Basic Pedagogy training
<ul style="list-style-type: none"><li>Improvements in (and/or updating, and more relevant) curricula and /or syllabi</li></ul>	2 – CUSAT Curricula is to be followed. Latest update occurred in 2012
<ul style="list-style-type: none"><li>Improvements in (and/or updating, more relevant) course assessment methods</li></ul>	3 – As per directives from CUSAT
<ul style="list-style-type: none"><li>Improvements in teaching and learning methods, including provision for students needing extra/remedial support</li></ul>	2 – Remedial teaching is done for all the students desirous of availing the facility. From April 14 to October 14, total 260 student were benefitted through remedial classes. Improvement in use of new teaching techniques, but the use of modern techniques is still limited.
<ul style="list-style-type: none"><li>Percentage of faculty with UG qualification registered/deputed for improving their qualification (see Section-3, 4(b) on page 20 of PIP)</li></ul>	2 – Three faculty members have been deputed for PG this year. Within the institute, one seat in each PG Programme is reserved for faculty from IHRD.
<ul style="list-style-type: none"><li>Percentage of faculty deputed for subject domain training, seminars, etc. (faculty are required to share their gains with peers and put reports on training on institution's web site)</li></ul>	2 -- Twelve faculty members were trained in subject domain, 2 faculty members got training in management and 04 faculty members were trained in Module I of Pedagogy.
<ul style="list-style-type: none"><li>Progress in securing accreditation of eligible UG &amp; PG programs (institutions to achieve target of 60% of eligible UG &amp; PG programmes accredited - applied for within 2 years of joining the Project)</li></ul>	3 -- For CSE and ECE Programs: Fee for Accreditation has been paid. SAR to be submitted in Oct 2014



<b>B Effectiveness of Pedagogy Training, including</b> <ul style="list-style-type: none"><li>Percentage of students satisfied with the quality of teachers and changes/developments specifically undertaken as a result of student evaluations</li></ul>	3 – Only few (04) faculty has been trained in pedagogy. Improvement in this area is required. Use of new teaching methodology is limited. Student satisfaction level does not show much change since first audit.
<b>OVERALL EVALUATION GRADE FOR 1.3</b> USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)	
	<b>02</b>



**PERFORMANCE AUDIT FORM (2.1)**  
**COMPONENT 2: IMPROVING SYSTEM MANAGEMENT**

NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY THODIYOOR P.O., KOLLAM, KERALA-690523

**2.1:CAPACITY BUILDING TO STRENGTHEN MANAGEMENT**

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<b>A. Implementation of academic and non-academic reforms, including:</b>	
<ul style="list-style-type: none"><li>Improved understanding of the need and ways for increased autonomy, and new instruments for accountability</li></ul>	2 – The faculty and supporting staff is aware about the added responsibility of autonomy. They are on board to accept and run the autonomy effectively and efficiently. Development of a comprehensive MIS is still in progress .Evaluation of faculty by students is regularly done to improve delivery of curriculum
<ul style="list-style-type: none"><li>Modernization and decentralisation of administration and financial management</li></ul>	1 – IHRD being an autonomous body has decentralized administration and financial Management. The principal is empowered to spend amounts upto Rs. 1.5 Crore Under TEQIP II programs. Principal can spend upto Rs 15000 for cash purchase and Upto Rs 100,000/- for equipment and other expenses through quotations.
<ul style="list-style-type: none"><li>Extent of delegation of administrative and financial decision making powers to senior functionaries</li></ul>	2 – Powers have been delegated to Principal however looking at the present scenario there seems that no further delegation of power is required.
<ul style="list-style-type: none"><li>Responsiveness to stakeholders (students, faculty, staff, industry, local communities)</li></ul>	1 – Students, faculty and other stakeholders are satisfied with the response of the Institute for their requirements. E.g. Response time for administrative work of stakeholders is about 48 Hours.
<ul style="list-style-type: none"><li>Institutional quality assurance and enhancement strategies, including student feedback mechanisms</li></ul>	3 – Need for improvement in teaching strategy and mechanism. Need to use various tools available to make teaching more effective. Faculty evaluation is done by student for each subject each semester. The feedback is analysed and the concerned faculty member is made aware about deficiencies and advised by the principal and HOD for improvement.
<ul style="list-style-type: none"><li>Maintenance of academic and non-academic infrastructure and facilities, including sufficiency and quality of academic buildings</li></ul>	2 – Maintenance of the buildings and also the campus is good. There is shortage of around 40 -- 45% in infrastructure. Two new buildings are being constructed and this will reduce the deficiency by 40% to 50%. The buildings will be put to use by





<p>start of next semester. A third building with the help of NABARD is also being constructed and will be complete by December 2015. That will further improve the position.</p>	
<ul style="list-style-type: none"> <li>Development, maintain and utilisation of institutional resources</li> </ul>	<p>1 – Existing resources are being effectively and efficiently used. These are properly maintained. Development of two buildings through support from PTA and one building from NABARD will be available.</p>
<ul style="list-style-type: none"> <li>Generation, retention and utilization of Income Revenue Generation.</li> </ul>	<p>1 – Income generation is mainly through Fees received from students under different heads. All income generated is retained in the institute and utilized for the routine expenditure and developmental activities. For the year 2013-14 IRG as % of total annual recurring expenditure is around 110.45 %. Four funds mandated in the project have been established with each fund having a balance of Rs. 11643.50 except faculty development fund which is Rs. 12217.50.</p>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="116 435 2087 627" data-cs="2" data-kind="parent"> <p style="text-align: center;">OVERALL EVALUATION GRADE FOR 2.1</p> <p style="text-align: center;">USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)</p> </div><div data-bbox="1968 555 2087 588"> <p style="font-size: 24pt; font-weight: bold;">02</p> </div></div>	

## PERFORMANCE AUDIT FORM (2.1.1)

### COMPONENT 2: IMPROVING SYSTEM MANAGEMENT

#### 2.1: CAPACITY BUILDING TO STRENGTHEN MANAGEMENT (Continued)

##### 2.1.1: IMPLEMENTATION OF GOOD GOVERNANCE

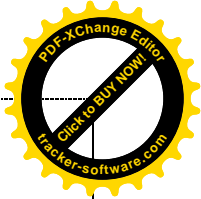
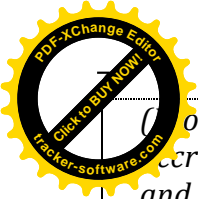
(See Also Annex 4 of the Good Governance Guide for Governing Bodies for examples of supporting evidence)

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)	
A. PRIMARY ACCOUNTABILITIES		GRADE
<ul style="list-style-type: none"> <li><b>Has the Governing Body approved the institutional strategic vision, mission and plan – identifying a clear development path for the institution through its long-term business plans and annual budgets?</b> <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up.)</i></li> </ul>	<p>2. -- Vision, Mission and strategic plan are evolved by all stakeholders through extensive deliberations. Vision &amp; Mission have been displayed on college website. These are discussed in the Governing Body as part of information agenda (college annual progress report) presented by the Principal. However approval was not documented formally as part of the minutes of the meeting. After the meeting of Chairman and Principals of TEQIP II colleges in NPIU, New Delhi, the BoG feels that there is need to review the vision, mission statement and it will be finalised after discussion with stakeholders and also members of BoG.</p>	
<ul style="list-style-type: none"> <li><b>Has the Governing Body ensured the establishment and monitoring of proper, effective and efficient systems of control and accountability to ensure financial sustainability?</b> <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up at the systems level.)</i></li> </ul>	<p>3 – The governing body has established the monitoring systems for TEQIP II expenditure. They are periodically verifying the financial operations under TEQIP II.</p>	
<ul style="list-style-type: none"> <li><b>Is the Governing Body monitoring institutional performance and quality assurance arrangements?</b> <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up at the systems level.)</i></li> </ul>	<p>2 -- The GB constituted various committees such as Academic Council to make sure minimum working days in a semester and minimum hours of engagement for subjects, timely evaluation and obtaining mid term feed back from students and corrective steps. GB Meeting was held on 27<sup>th</sup> May 2014 to discuss these matters and take</p>	

<p><b>Has the Governing Body put in place suitable arrangements for monitoring the head of the institution's performance?</b>  <i>(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up.)</i></p>	<p>decisions</p> <p>2 -- Formal arrangement for monitoring does not exist, it is proposed that a small committee be constituted with Chaiman of BoG, representative of Government and one senior member to moitorr the head of institutes performance.</p>
<p align="center"><b>EVALUATION GRADE FOR PRIMARY ACCOUNTABILITIES</b>          USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1) FOR ALL GOVERNANCE SECTIONS</p>	
<p><b>B. OPENNESS &amp; TRANSPARENCY IN THE OPERATION OF GOVERNING BODIES</b></p>	<p align="right"><b>02</b></p>
<p><b>• Does the Governing Body publish an annual report on institutional performance?</b>  <i>(Give the publication date and type of publication of the most recent annual report, if there is one)</i></p>	<p>3 -- Only 4 BOG meetings have been conducted so far. Annual report will be presented and discussed in the next BOG meeting,</p>
<p><b>• Does the Governing Body maintain, and publicly disclose, a register of interests of members of its governing body?</b>  <i>(Given that a formal register is not yet normal practice in colleges, provide evidence of any published information on governing body members' financial and commercial interests)</i></p>	<p>3 -- No, register of interest is not maintained</p>
<p><b>▪ Is the Governing Body conducted in an open a manner, and does it provide as much information as possible to students, faculty, the general public and potential employers on all aspects of institutional activity related to academic performance, finance and management?</b>  <i>(Say whether the governing minutes are published on the institution website, and note any other steps that the governing body takes to communicate with its stakeholders on its work as a Board)</i></p>	<p>2 -- Governing body is conducted in an open manner. Minutes of all BOG meetings are published on the college web site.</p> <p>The sharing of relevant information with departments and faculty happens through other meetings.</p>
<p align="center"><b>GRADE FOR OPENNESS &amp; TRANSPARENCY IN THE OPERATION OF GOVERNING BODIES</b></p>	
<p align="right"><b>03</b></p>	

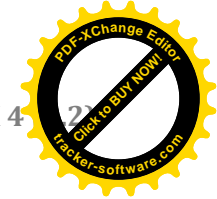
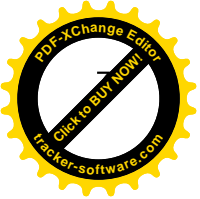
C. KEY ATTRIBUTES OF GOVERNING BODIES	
<p><b>Are the size, skills, competences and experiences of the Governing Body, such that it is able to carry out its primary accountabilities effectively and efficiently, and ensure the confidence of its stakeholders and constituents?</b></p> <p><i>(Specify the range of skills and experience that the members of the governing body, and especially the external members, have)</i></p>	<p>1 -- GB has been constituted as per the guidelines of statutory and regulating bodies (primarily UGC guidelines for autonomous bodies). The size of GB is such that it is able to carry out its accountabilities effectively.</p> <p>The skills, experience and competencies among members match the written job descriptions. Members include Professors, Industrialists, Professionals, Finance Experts.</p>
<p>▪ <b>Are the recruitment processes and procedures for governing body members rigorous and transparent?</b></p> <p><i>(Specify how governing body members are selected, and whether that process is transparent)</i></p>	<p>1 -- The institute suggests names of experts in the form of a panel and the government nominates the members from that panel based on merits and competencies in a transparent manner.</p>
<p>▪ <b>Does the Governing Body have actively involved independent members and is the institution free from direct political interference to ensure academic freedom and focus on long term educational objectives?</b></p> <p><i>(Give examples, where possible, of the role of external members in improving the performance of the institution)</i></p>	<p>1 -- Members are actively involved in furtherance of institutional objectives</p> <p>The institution is free from political interference.</p>
<p>▪ <b>Are the role and responsibilities of the Chair of the institution and the Member Secretary serving the governing body clearly stated?</b></p> <p><i>(If yes, specify the document where these roles are defined)</i></p>	<p>3 – As per the guidelines from NPIU the roles and responsibilities of Chairman and Member Secretary are finalised and well documented</p>
<p>▪ <b>Does the Governing Body meet regularly? Is there clear evidence that members of the governing body attend regularly and participate actively?</b></p> <p><i>(State the number of meetings in the last year, and the average number of those Board members present and those members absent at those meetings)</i></p>	<p>1 -- Yes</p> <p>One BoG meeting was held after first audit on 27<sup>th</sup> May 2014. Excepting one member all other members were present.</p>
GRADE FOR KEY ATTRIBUTES OF GOVERNING BODIES	
01	

D. EFFECTIVENESS AND PERFORMANCE REVIEW OF GOVERNING BODIES		
<ul style="list-style-type: none"> <li>Does the Governing Body keep their effectiveness under regular review and in reviewing its performance, reflect on the performance of the institution as a whole in meeting its long-term strategic objectives and its short-term indicators of performance/success? <i>(If yes, give the date(s) of governing body meetings where the minutes show that such a review has been discussed)</i></li> </ul>	02 -- Self review of the BoG was done in the third BoG meeting held on 18 <sup>th</sup> Deceber 2013.	
<ul style="list-style-type: none"> <li>Does the Governing Body ensure that new members are properly inducted, and existing members receive opportunities for further development as deemed necessary? <i>(If yes, give examples of how these two tasks are carried out)</i></li> </ul>	3 -- There is no formal induction process for the governing body	
GRADE FOR EFFECTIVENESS AND PERFORMANCE REVIEW OF GOVERNING BODIES		03
E. REGULATORY COMPLIANCE		
<ul style="list-style-type: none"> <li>Does the Governing ensure regulatory compliance* and, subject to this, take all final decisions on fundamental matters of the institution. <i>(If yes, give the date(s) of governing body meetings where the minutes show that regulatory compliance has been discussed)</i></li> </ul>	1 -- The BOG directs the Institution to strictly adhere to guidelines of AICTE and affiliating University and also informs the parent body, Institute of Human Resources Development, Govt. of Kerala, the need to take appropriate corrective measures as and when required. All the UG and PG programmes are approved by AICTE, University and the Govt.	
<ul style="list-style-type: none"> <li>Does the regulatory compliance include demonstrating compliance with the 'not-for-profit' purpose of education institutions? <i>(If yes, give evidence that the governing body has been directly involved)</i></li> </ul>	1 --The parent body IHRD is registered under Travancore Kochin Charitable Societies Act. Such societies functioning is always not for profit	
<ul style="list-style-type: none"> <li>Has there been accreditation and/or external quality assurance by a national or professional body? If so, give name, current status of accreditation etc</li> </ul>	3 --No Total three courses are eligible for application. For the two courses viz. CS and EC registration is done and preparation of documents and submission is progressing. For the third course Viz. IT no application has been done	



*Provide lists of all courses which have already been accredited, all courses where an application has been made, and all courses where no such application has yet been made)*

GRADE FOR REGULATORY COMPLIANCE		02
OVERALL EVALUATION GRADE FOR GOVERNANCE 2.1.1 A-E USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)		02



**PERFORMANCE AUDIT FORM (2.2)**  
**COMPONENT 2: IMPROVING SYSTEM MANAGEMENT**

NAME OF PERFORMANCE AUDITOR: MR. SURESH KHARE

DATES OF PERFORMANCE AUDIT: 16<sup>TH</sup> TO 18<sup>TH</sup> SEPTEMBER 2014

NAME OF INSTITUTION WITH LOCATION: COLLEGE OF ENGINEERING KARUNAGAPPALLY THODIYOOR P.O., KOLLAM, KERALA-690523

**TABLE 2.2: PROJECT MANAGEMENT, MONITORING AND EVALUATION**

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	SUPPORTING EVIDENCE (NOTE: GRADES MUST BE SUPPORTED BY SOUND EVIDENCE OF ACHIEVEMENT OF THE INSTITUTIONAL DEVELOPMENT PROPOSAL GOALS AND TARGETS)
<b>A. Effectiveness of mentoring, reviews, surveys and audits conducted, including:</b> <ul style="list-style-type: none"><li>▪ Increase in the achievement of the institutions goals and targets set out in the Institutional Development Proposal</li></ul>	3 -- Targets set for establishment and development of laboratories is achieved. Targets set for faculty with M Tech qualification is achieve. However the shortage of faculty still continues. Target set for transition of students from 1 <sup>st</sup> year to second year is not achieved.
<b>B. Effective project management and monitoring, including:</b> <ul style="list-style-type: none"><li>▪ Precise and reliable information/ data through web based MIS available to stakeholders at all time</li></ul>	3 – Web Based MIS has not been developed. MIS development is just started though student information and financial operation is done through standalone MIS.
<b>C. Effectiveness of faculty evaluation by students, including:</b> <ul style="list-style-type: none"><li>▪ Percentage/ increase in percentage of faculty evaluated by students in one or more subjects</li><li>▪ Are results of evaluation properly used for teacher improvement?</li></ul> <b>If yes, is the procedure adopted for teacher improvement including counseling appropriate and effective?</b>	2 -- Faculty evaluation is done by student for each subject each semester. The feedback is analysed and the concerned faculty member is made aware about deficiencies and advised by the principal and HOD for improvement.
<b>OVERALL EVALUATION GRADE FOR 2.2</b> USING THE 3-POINT GRADING SCALE AND GRADE DESCRIPTORS IN ANNEX 4(1)	
	<b>03</b>