

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME**

**Phase II**

**Sub Component 1.1**

**16<sup>th</sup> MEETING OF  
THE BOARD OF GOVERNORS**

**DETAILED AGENDA NOTES**

**Date: 07-09-2016 Time: 02.30pm**

**Venue: Government Engineering College Kozhikode**

**GOVERNMENT ENGINEERING COLLEGE Kozhikode**

**West hill., Kozhikode-673005 KERALA**

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**Background:**

The 16<sup>th</sup> meeting of the Board of Governors is being convened on 7<sup>th</sup> of September, 2016 focussing academic activities and progress on facilities of the institution.

Also, the meeting of Board of Governors is convened regularly to monitor the progress of implementation of TEQIP-II activities at GEC Kozhikode, under Subcomponent 1.1, and to accord the necessary approvals and clearance for the on-going activities as required in the implementation guidelines of the scheme.

The agenda items are given below:

**Agenda Items**

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**A1. Confirmation of the Minutes of the 15<sup>th</sup> Meeting of the Board of Governors held on 06-04-2016 at GEC Kozhikode**

The Minutes of the 15<sup>th</sup> Meeting of Board of Governors of TEQIP Phase II of GEC Kozhikode held on 06-04-16 at GEC Kozhikode was sent to the Chairman and upon his consent copies were circulated among the other members of the BoG. A copy of the Minutes is appended as **Appendix I** for confirmation.

## Part B

### BI. Report of the Principal

#### 1. Faculty Position

Department	No. of Sanctioned posts	No. of faculty with Ph.D.	No. of faculty Currently doing Ph.D.	Required number of faculty
Mechanical	16	8	5	20
Chemical	15	7	3	15
Civil	13	3	6	13
Electronics	18	4	5	32

#### 2. Status of Plan fund (Utilization)

2015-16- 189.42 lakhs, and 2016-17- 49.90 lakhs ( till date)

#### 3. Progress on Civil works

1. Ground floor of the Civil Engineering block was inaugurated on 28<sup>th</sup> July 2016
2. Mechanical Engineering production lab construction progressing
3. Administrative sanction obtained for Library and Central Computing facility.
4. Expecting Government sanction for new ladies hostel

#### 4. Progress on NBA Accreditation

Expecting to complete all documentation work by September 2016

#### 5. Progress on ISO 9001:2015 certification process

Documentation work and awareness training programs have been completed. Internal auditor training program scheduled on 25<sup>th</sup> September 2016.

#### 6. Centre of excellence in the area of “Energy and Environmental studies”

#### 7. Result analysis

As per university regulations, the eligibility criteria for registering to the third semester B. Tech program is to earn 26 credits from 47 credits(Cumulative credit from S1 and S2).

<b>Branch</b>	<b>No. of students fail to achieve required credits</b>
Civil Engineering	2
Applied Electronics and Instrumentation	6
Electronics and Communication	2
Mechanical Engineering	0
Chemical Engineering	0

<b>Branch</b>	<b>Total number of students</b>	<b>Number of students passed all courses in first year</b>	<b>Pass %</b>
Civil Engineering	57	41	71.93%
Applied Electronics and Instrumentation	60	27	45%
Electronics and Communication	60	39	65%
Mechanical Engineering	61	46	75.41%
Chemical Engineering	58	40	68.97%
<b>Total</b>	<b>296</b>	<b>193</b>	<b>65.26%</b>

**Status of passed out graduates (2012-16 batch)**

**Name of the Department: CIVIL ENGINEERING**

<b>Category</b>	<b>No. of students</b>	<b>Number of students passed in all semesters</b>	<b>% Pass</b>	<b>Number of students got placement</b>	<b>Number of students qualified in GATE</b>	<b>Number of students joined the institute for higher studies</b>
General	6	5	83.3	2	1	0
SC	8	3	37.5	1	2	0
ST	1	0	0.0	0	0	0
OBC	48	39	81.3	7	5	1
OEC	2	0	0.0	0	0	0
Male	21	14	66.7	4	5	1
Female	45	33	73.3	6	3	0
<b>Total</b>	<b>66</b>	<b>47</b>	<b>71.2</b>	<b>10</b>	<b>8</b>	<b>1</b>

**Name of the Department: Chemical Engineering**

<b>Category</b>	<b>No. of students</b>	<b>Number of students passed in all semesters</b>	<b>% Pass</b>	<b>Number of students got placement</b>	<b>Number of students qualified in GATE</b>	<b>Number of students joined the institute for higher studies</b>
General	15	10	67	1	3	6
SC	5	0	0	0	0	0
ST	0	0	0	0	0	0
OBC	47	25	53.2	2	1	3
OEC	0	0	0	0	0	0
Male	45	22	49	0	0	0
Female	22	13	59	0	0	0
Total	66	35	58.3	3	4	9

**Name of the Department: MECHANICAL ENGINEERING**

<b>Category</b>	<b>No. of students</b>	<b>Number of students passed in all semesters</b>	<b>% Pass</b>	<b>Number of students got placement</b>	<b>Number of students qualified in GATE</b>	<b>Number of students joined the institute for higher studies</b>
General	4	2	50		1	
SC	7	1	14.28	1	2	
ST	1	0	0			
OBC	54	32	59.25	9	5 + 1 (CAT)	1
OEC	2	0	0			
Male	66	33	50			
Female	2	2	100			
Total	68	35	51.47	10	9	1

**Name of the Department: Applied Electronics and Instrumentation**

<b>Category</b>	<b>No. of students</b>	<b>Number of students passed in all semesters</b>	<b>% Pass</b>	<b>Number of students got placement</b>	<b>Number of students qualified in GATE</b>	<b>Number of students joined the institute for higher studies</b>
General	20	15	75	6	1	
SC	6	0	0			
ST	1	0	0			
OBC	41	33	80.48	5	1	
OEC	1	1	100			
Male	34	20	58.82	7	2	
Female	35	29	82.85	4		
Total	69	49	71	11	2	

**Name of the Department: ELECTRONICS & COMMUNICATION ENGINEERING**

<b>Category</b>	<b>No. of students</b>	<b>Number of students passed in all semesters</b>	<b>% Pass</b>	<b>Number of students got placement</b>	<b>Number of students qualified in GATE</b>	<b>Number of students joined the institute for higher studies</b>
General	5	4	80	1	1	0
SC	7	4	57.14	0	1	0
ST	0	0	0	0	0	0
OBC	54	36	66.67	6	3	0
OEC	0	0	0	0	0	0
Male	37	19	51.35	5	3	0
Female	29	25	86.21	2	2	0
Total	66	44	66.67	7	5	0

## BII. Fund Position as on 31-08-2016

Total Project allocation in lakhs		<b>1000 lakhs</b>	
Amount received till 31-08-2016		<b>1000 lakhs</b>	
Expenditure as on 31-08-2016		<b>868.41lakhs</b>	
<b>Category wise expenditure</b>			
S. No	Head of activity	Project allocation Lakhs	Expenditure till 31-09-2016
1	Improvement in teaching, training and learning facilities	<b>550</b>	<b>550.74</b>
2	Providing Assistantship for increased enrolment in existing and new PG programs	<b>100</b>	<b>91.17</b>
3	Enhancement of R&D and Institutional Consultancy activities	<b>40</b>	<b>22.41</b>
4	Faculty and Staff Development (FSD)	<b>100</b>	<b>88.64</b>
5	Enhanced Interaction with Industry	<b>20</b>	<b>10.52</b>
6	Institutional Management Capacity Enhancement	<b>30</b>	<b>14.17</b>
7	Implementation of Institutional Reforms	<b>20</b>	<b>18.31</b>
8	Academic Support for weak students	<b>40</b>	<b>17.60</b>
9	Incremental Operating Cost	<b>100</b>	<b>54.86</b>
Total		<b>1000</b>	<b>868.41</b>



## **CI. Discussions and Considerations of activities under Research and Development and institutional consultancy**

**CI.1.**The 15<sup>th</sup> Board of Governors meeting approved to organize a “**National Conference on Emerging Trends in Engineering**”. The following four parallel national conferences were proposed.

1. Mechanical Engineering – **Energy and Sustainable Technologies**
2. Civil Engineering – **Green Technologies for Sustainable Construction**
3. Applied Electronics and Instrumentation Engineering- **Signal Processing**
4. Chemical Engineering – **Innovations in Chemical Process and Technology**

**Decision needed:** The BoG may discuss the progress of the event.

## **CII. Faculty and Staff Development Program**

**CII.1.** The training programs attended by the faculty and staff members are given below

Sl. No	Name	Designation & Department	Name of Program & Venue	Duration & Date	Expenditure
<b><u>Faculty Member</u></b>					
1	Prof. Biju I K	Assistant Professor, ME	Simulation Based Engineering Science Approach : A Scientific Approach To Engineering, IIT Delhi	18-19/12/2015	42,050
2	Prof.Shaji K	Associate Professor, ME			
3	Prof.Sajeeb A M	Assistant Professor, ME	Nanotechnology: Fundamental To Practice NIT calicut	14-17/06/2016	9,480
4	Prof.Pramod Das K	Assistant Professor, ME	National Workshop On NIRF, Rajagiri Business School Kakkanad	28/11/2015	32,245
	Dr. Byju Bai T P	Professor, AE&I			
	Prof.Mercy Anna Philip	Assistant Professor, CH			
5	Dr.Lal C V	Associate Professor, CE	SWOT Analysis And Preparation Of Strategic Plan, GEC Kozhikode	03/03/2016	9,198
6	Dr.Beula C	Assistant Professor, CH	Safety Workshop And Mock Drill By Fire Force	14/03/2016	4,801
7	Prof.Abdu Rahiman V	Assistant Professor, AE&I	Modified Dictionary Learning Method For Sparsity Based Single Image Super Resolution, Indian School of Mines Dhanbad	03-05/03/2016	34,597

8	Dr.Sajith Babu C	Assistant Professor, ME	4 <sup>th</sup> Biennial International Conference , GEC Thrissur	9-11/12/2015	6,000
9	ShajeeMohan B S	Associate Professor, AE	Research Methodology, GEC Kozhikode	26-27/10/2015	27,393
10	Prof.Ahammed Muneer K V	Assistant Professor, AE&I	Medical Imaging Techniques And Image Processing, IIT Delhi	25-27/03/2016	19,590
11	Dr.Ushakumari E R	Associate Professor, CH	Design And Engineering, GEC Kozhikode	03-05/12/2015	82,710
12	Dr.Ushakumari E R	Associate Professor, CH	Computational Modeling of Flow Process, GECK	25-28/11/2015	67,059
13	Dr.Mary Lubi C	Associate Professor, CH	International Conference On Advances In Polymer Technology, CUSAT	26/5/16	3,000
14	Dr.Pradeep V	Associate Professor, ME	Robotic & Control ,NIT Calicut	23-27/5/2016	6000
15	Dr. Jesseela S	Assistant Professor, ME			
16	Prof.Pradeep K Bharathan	Assistant Professor, AE&I	Pedagogical Training, IIT Madras	30/06/2016-02/07/2016	4,192
17	Prof.Sajeed A M	Assistant Professor, ME	Advanced Concept Of Quality Inspection And Application In Fatigue And Fracture Mechanics, IIT Roorkee	18-23/04/2016	1,04,828
18	Prof.Saijal K K	Assistant Professor, ME			
19	Dr.Sajith Babu C	Assistant Professor, ME			
20	Prof.Sreekumar C	Guest faculty, ME			
21	Prof.Biju IK	Assistant Professor, ME	ICTAK International Conclave ,Techno Park , Thiruvananthapuram	24-25/06/2016	7553
22	Dr. Sajith P P	Professor, ME			
23	Prof.Agnes Jacob	Assistant Professor, AE&I	International Conference , Adhiparasakthi Engineering College Melmaruvathur	6-8/4/2016	18,191
24	Prof.Pradeep K Bharathan	Assistant Professor, AE&I	Algorithms In Engineering, IIT Guwahati	15-19/02/2016	63,408
25	Prof.Abdu Rahiman V	Assistant Professor, AE&I			
26	Muhameed K M	Guest faculty, AE&I			
27	Prof.Dileepkumar P G	Assistant Professor, CE	Design Using E-Tab(Software), NITTTR Chandigarh	15-17/02/2016	51,566
28	Prof.Rahmathulla Noufal E	Assistant Professor, CE			
29	Kumkuma	Guest faculty, ME	Pedagogical Training, IIT Madras	7-9/04/2016	6,708
30	Nidhin	Guest faculty, ME			

31	Prof.Dileepkumar P G	Assistant Professor, CE	Testing of civil Engineering materials ,Engineering college of India, Hyderabad	19-22/06/2016	39,225
<b><u>Technical Staffs</u></b>					
1	Alphonsa M P	Instructor	CMS With Linux, GEC Kozhikode	08-12/03/2016	76,193
2	Alphonsa M P	Instructor	Familiarization And Maintenance Of Sophisticated Electronic Laboratory Equipment , GEC Thrissur	15-17/06/2016	5,650
3	Shibu P M	Tradesman			
4	Shanu M P	Tradesman	Certification In Mobile Application Development Using Android, ESCI Hyderabad	28/09-01/10/2015	37,548
5	Shanu M P	Tradesman	Content Management Systems, Engineering College Of Vadakara	09-13/02/2016	6328

**Office Staff**

1	Mohana Kumara	Administrative Staffs	Personality development NITTTR Chandigarh	01-05/02/2016	73,959
2	Sreenivasan P M				
3	Honeylal K C				
4	Abdul Shukkur V				
5	Balan P C	Administrative Staffs	MS ACCESS (Short term course), IIT Hyderabad	27/06/2016-01/07/2016	20,982

**Decision needed:** The BoG may kindly ratify the above expenditure.

II. Ratification for international conference attended by Prof. Saijal K.K., Assistant Professor, Mechanical Engineering department, 7<sup>th</sup> International Conference on Mechanical and Aerospace Engineering, 18<sup>th</sup> to 22<sup>nd</sup> July, London, UK.

### **CIII. Management Capacity Enhancement**

1. 3<sup>rd</sup> World Summit on accreditation (WOSA 2016), quality assurance through outcome based education at New Delhi, 18<sup>th</sup> to 28<sup>th</sup> March 2016 attended by Principal and 8 faculty members.

The total expenditure incurred is Rs. 4,36,375/-

**Decision needed:** The BoG may kindly ratify the above expenditure.

### CIV. Academic Support Programs

Sl. No	Name of Program & Venue	Duration & Date	Expenditure (Rs.)
1	GATE coaching class	08/07/2015-14/09/2015	7,200
2	GATE coaching class	12/9/2015-26/1/2016	21,600
3	Remedial class	06/06/2016-10/06/2016	4,200
4	Remedial class	06/06/2016-07/06/2016	3,600
5	Role of Engineers in modern world	17/03/2016	7,500
6	Improving employability of students	29-30/03/2016	48,332
7	Introduction to EXCEL & MATLAB	13-17/06/2016	11,090
8	Expert Talk	17/03/2016	5000
9	Motivational Class To First Year Students	26/02/2016	5,900
10	Pre-placement Training Program	28-30/07/2016	1,82,000

**Decision needed:** The board may kindly ratify the expenditure.

### CV. Other Expenses

S. No.	Name of Program & Venue	Expenditure (Rs.)
1	Cost of Refilling Of Nitrogen Cylinder For GCMS Equipment	4,780
2	Purchase of Consumables For B Tech And M Tech Projects	18,786
3	Purchase of Stationery items for accreditation work	10,381
4	Purchase of Chemicals For Chemistry Lab	29,599
5	Consumables Chemical Engineering Department	36,750
6	Purchase of consumables for Mechanical Engineering Department	39,800
7	AMC for Digital Photocopier Machine	22,000
8	Cost of Refilling of Nitrogen Cylinder For GCMS Equipment	2,560
9	Equipment Cabin Fabrication in Chemistry Lab	17,500
10	Accreditation related consumable expenditure for Chemical Engg. Dept.	41,000
11	Repairing Charge of LCD Projector	5,600
12	Printing New Letter And A Brochure	3,600

**Decision needed:** The board may kindly ratify the above expenditures.

### D. Other items

**D1.** Any other items with the permission of the Chair

1. 10 cents of land issued to Smt. P. T. Usha, initially acquired for the construction of ladies' hostel for our institution.
2. Ratification of journey performed by Prof. R. Noufal regarding conduct of experiments at institute of Physics, Bhubaneswar.