

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

Phase II

Sub Component 1.1

**17th MEETING OF
THE BOARD OF GOVERNORS**

DETAILED AGENDA NOTES

Date: 23-12-2016 Time: 02.30pm

Venue: Government Engineering College Kozhikode

GOVERNMENT ENGINEERING COLLEGE Kozhikode

West hill., Kozhikode-673005 KERALA

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Background:

The 17th meeting of the Board of Governors is being convened on 23rd of December, 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 16th Meeting of the Board of Governors held on 07-09-2016 at GEC Kozhikode

The Minutes of the 16th Meeting of Board of Governors of TEQIP Phase II of GEC Kozhikode held on 07-09-2016 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	19	4	5	30

2. Progress on Civil works

1. Construction of Ist and IInd floor of the Civil Engineering block is progressing.
2. Mechanical Engineering production lab construction progressing
3. Administrative sanction obtained for Library and Central Computing facility.
4. New ladies hostel proposal has been selected under KIIFB (KERALA INFRASTRUCTURE INVESTMENT FUND BOARD) scheme

3. Progress on NBA Accreditation

Expecting NBA visit in February 2017

4. Progress on ISO 9001:2015 certification process

Documentation work, awareness training programs, internal auditor training and first internal audit have been completed.

BII. Fund Position as on 17-12-2016

Total Project allocation in lakhs		1000 lakhs		
Amount received till 17-12-2016		1000 lakhs		
Expenditure as on 17-12-2016		903.11 lakhs		
Category wise expenditure				
S. No	Head of activity	Project allocation Lakhs	Expenditure till 17-12-2016	Committed Expenditure as on 17-12-2016
1	Improvement in teaching, training and learning facilities	550	558.99	0.0
2	Providing Assistantship for increased enrolment in existing and new PG programs	100	100.92	6.88
3	Enhancement of R&D and Institutional Consultancy activities	40	22.15	6.17
4	Faculty and Staff Development (FSD)	100	96.86	6.28
5	Enhanced Interaction with Industry	20	10.91	0.0
6	Institutional Management Capacity Enhancement	30	14.35	0.0
7	Implementation of Institutional Reforms	20	18.78	0.0
8	Academic Support for weak students	40	18.45	0.0
9	Incremental Operating Cost	100	61.66	3.26
Total		1000	903.11	22.59
Total Expenditure (including Committed expenditure)				925.7

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

CI.1. The 15th Board of Governors meeting approved to organize a “**National Conference on Emerging Trends in Engineering**”. The following four parallel national conferences were organized. The detailed report is attached as **Appendix II**.

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**

Total expenditure incurred is Rs.3,04,300/-

Decision needed: The BoG may discuss and approve the report and expenditure.

CI.2. The Research Guidance Committee (RGC) was arranged on 7th December 2016 to evaluate the seed money projects under the chairmanship of Dr. L.M. Patnaik. The committee observed that the research culture has been ignited among faculty members and students by TEQIP II initiatives in the institution. The minutes of the meeting is attached as **Appendix II**.

CI.3. The Governing body may kindly ratify the expenditure incurred for the following PG projects.

Sl. No	Name	Designation & Department	Name of Program & Venue	Expenditure
1	Dr. Sajith P.P.	Associate Professor, ME	Bio-fuels and Bio-Composites from industrial hump	10,006
2	Dr. Sreejith B.	Associate Professor, ME	Performance evaluation of a new parabolic through concentrator using nano fluid as the working fluid	16,961

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
<u>Faculty Member</u>					
1	Saijal K K	Assistant professor, ME	International conference on Mechanical and Aerospace engineering, London	18-22/07/2016	2,48,292
2	Sajeeb A M	Assistant professor, ME	Nano Technology- Basics and Applications, NIT Calicut	25-30/07/2016	12,069
3	Pradeep V	Associate Professor, ME	Pedagogical Training , IIT Madras	28-30/07/2016	13,426
	Sajeeb A M	Assistant professor, ME			
4	Divya John	Lecturer, AE & I	Pedagogical Training , IIT Madras	29/09-01/10/2016	9600
	Deepa V P	Lecturer, AE & I			
	Sabeeh Ahmed M T	Lecturer, AE & I			
5	Sreela P K	Associate Professor, CE	Skill Development Programme, NIT Calicut	29/08-03/09/2016	12,000
	Sreelekha M G	Associate Professor, CE			
6	Agnes Jacob	Assistant Professor	Applied Machine Learning, IIT Kharagpur	12-16/09/2016	36,902
7	Abdu Rahiman V	Assistant Professor, AE & I	Digital Signal Processing and Image Processing Using SCI Lab, NITTR Chandigarh	29/08-02/09/2016	88,634
	Pradeep K Bharathan	Assistant Professor, AE & I			
	Jithesh C P	Assistant Professor, AE & I			
8	Ahammed Muneer K V	Assistant Professor, AE & I	Technologies for 5G Wireless communication Networks, IIT Kanpur	25-25/07/2016	33,679
9	Praseethe P Nair	Assistant Professor, CH	Matlab for Engineers and Researchers, GEC Thrissur	28-30/09/2016	1,000
10	Suma K	Assistant Professor, CH	Workshop on Research Methodology	18/06/2016	2,740

11	Nowshaja P T	Professor, CE	Matlab for Engineers and Researchers, GEC Thrissur	28- 30/09/2016	1,000
12	Sreela P K	Associate Professor, CE	Pedagogical Training, IIT Madras	29/09- 01/10/2016	22,099
	Mary Lubi C	Professor, CH			
	Priyaja K V	Assistant professor, AE & I			
	Jeseela S	Associate Professor, ME			
13	Jayakumar M	Assistant professor, As	Short Term Training Course	17- 21/10/2016	4,990
14	Anu Johnson	Lecturer, ME	Pedagogical Training, IIT Madras	28- 30/07/2016	6,260
	Sanal Kumar	Lecturer, ME			
1	Dr. Sajith P P	Professor, ME	Good Governance Workshop, New Delhi (Capacity Development) as per the direction from NPIU	30/08/2016	18,287
<u>Technical Staffs</u>					
1	Yesudas K J	Workshop Instructor, ME	Short Term Course on Turning, Milling and Drilling, NITTR Kolkata	18- 29/07/2016	1,90,164
	Ajith Kumar M c	Trade Instructor, ME			
	Santhosh Kumar K G	Trade Instructor, ME			
	Anand A	Trade Instructor, ME			
	Sujilesh K V	Tradesman, ME			
	Damian P D	Tradesman, ME			
2	Sayuja Kumari	Trade Instructor, CE	Total Station survey- Theory and Practice, Jyothi Engineering College Cheruthuruthi	06- 08/09/2016	4,895
	Sunisha	Tradesman, CE			
	Saranga	Tradesman, CE			
3	Sunil Kumar K	Trade Instructor, AE & I	Electrical, Electronics and Computer based Projects, NITTR, Chandigarh	26- 30/09/2016	74,462
	Muralidharan P	Trade Instructor, AE & I			
	Shibu P M	Tradesman, AE & I			
	Sebi Augustine	Tradesman, AE & I			

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

CII.2. For *Research collaboration with Department of Process and Energy, Delft University of Technology, The Netherlands*, Dr. Sajith P.P., Associate Professor, Mechanical Engineering (also TEQIP II Coordinator) and Prof. Biju I.K., Assistant Professor, Mechanical Engineering (also Procurement Nodal officer, TEQIP II) were selected for a short research stay and training on Fuel Cell systems, System Thermodynamics and Cycle Tempo (Software tool for System Thermodynamics). **Ranked among the top universities of technology in the world**, TU Delft's excellent research and education standards are backed by outstanding facilities and research ambience.

The 8th Governing body meeting (Item No. D2) approved the proposal and Mr.Biju.I.K, Asst. Professor in Mechanical Engg. & Dr.Sajith.P.P, Associate Professor in Mechanical Engg. have undergone a short research stay and training on Fuel Cell systems and Cycle Tempo(Software tool for System Thermodynamics) at the Department of Process and Energy, Delft University of Technology, The Netherlands, during 10 - 19 Nov' 2016, as part of the joint/collaborative research.

Decision needed: The BoG may kindly ratify the above program.

CIII. Industry Institute Interaction (IIIC)

1. A workshop on Entrepreneurship Development was organized in the institution for the students. The total expenditure incurred for the program is Rs. 65,292/-

Decision needed: The BoG may kindly ratify the above program.

CIV. Academic Support Programs

Sl. No	Name of Program	Duration & Date	Expenditure (Rs.)
1	Training in AUTOCAD	May to July 2016	27,000
2	Remedial class for LET Students	Sep 2016	7,800
3	Psychological counselling for Students	19-20/10/2016	6,000

Decision needed: The board may kindly ratify the expenditure.

CV. Other Expenses

S. No.	Name of Items	Expenditure (Rs.)
1	Purchase of Files	6,836
2	AMC for Printer	6,900
3	AMC for UV Visible Spectrophotometer	37,778
4	AMC for STADD	17,250
5	Printing and Binding of Activity Report	1,710
6	Replacement of Cartridge	4,800
7	Repairing of Printers	15,050
8	Repair of 5 KVA UPS	16,100
9	Repair of Laptops	24,000
10	AMC for Campus management software	66,000
11	AMC for Data Acquisition System	2,78,280
12	AMC for 20 kVA Diesel Generator	28,674

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

New AMC proposals

S. No.	Name of Items	Expenditure (Rs.)
1	AMC for Gas Chromatography and Mass Spectroscopy (GCMS)	10,01,160
2	AMC for Fourier Transform Infrared Spectroscopy(FTIR)	4,75,000
3	AMC for High Performance Liquid (HPLC)	4,05,000

Decision needed: The board may kindly approve the proposals.

D. Other items

D1. TEQIP II is coming to close in March 2017, 100% utilization of the project funding is expected by the Ministry of HRD, Govt of India and the Govt. of Kerala. A comprehensive plan (Academic programs like, in house training, out station programs, workshops, invited talks, placement trainings etc.) up to 15th March 2017 for the complete utilization of the amount will be presented by the Head of the departments and nodal officers.

D2. Other items with the permission of the chair.