

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

Phase II

Sub Component 1.1

**13th MEETING OF
THE BOARD OF GOVERNORS**

DETAILED AGENDA NOTES

Date: 23-07-2015 Time: 04.00pm

Venue: Government Engineering College Kozhikode

GOVERNMENT ENGINEERING COLLEGE KOZHICODE

Westhill, Kozhikode-673005 KERALA

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Background:

The 13th meeting of the Board of Governors is being convened on 23rd of July, 2015 focussing academic activities, institution reforms and action plan for the remaining project period.

The agenda items are given below:

Agenda Items

| Part A | | |
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| Procedural | | |
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| A1 | Confirming the Minutes of the 12th Meeting of the Board of Governors held on 10-04-2015 at GEC Kozhikode | 4 |

| Part B | | |
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| BI | Status of Fund position as on 30-06-2015 | 5 |
| BII | Result analysis (2011-15 Batch) | 6 |

| Part C | | |
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| Discussion, Consideration and Ratification | | |
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| CI | Annual Report of the institution (2014-15) for approval | 9 |
| CII | Annual Budget (2015-16) of the institution for approval | 9 |

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| CIII | Discussions and Considerations of activities under Research and Development and institutional consultancy | 10 |
| CIV | Discussion, Consideration and ratification of activities under Faculty and staff development. | 11 |
| CV | Ratification of newly created procurement package. | 13 |
| CVI | Ratification of academic support programs. | 13 |
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A1. Confirmation of the Minutes of the 12th Meeting of the Board of Governors held on 10-04-2015 at GEC Kozhikode

The Minutes of the 12th Meeting of Board of Governors of TEQIP Phase II of GEC Kozhikode held on 10-04-15 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**.

Part B

BI. Fund Position as on 30-06-2015

| Total Project allocation in lakhs | 1000 lakhs | | |
|-----------------------------------|---|-----------------------------|--------------------------------|
| Amount received till 30-06-2015 | 900 lakhs | | |
| Expenditure as on 30-06-2015 | 730.31 lakhs (81.14%) | | |
| Category wise expenditure | | | |
| S. No | Head of activity | Project allocation Lakhs | Expenditure till 30-06-2015 |
| 1 | Improvement in teaching, training and learning facilities | 550 | 530.94 |
| 2 | Providing Assistantship for increased enrolment in existing and new PG programs | 100 | 55.57 |
| 3 | Enhancement of R&D and Institutional Consultancy activities | 20 | 9.46 |
| 4 | Faculty and Staff Development (FSD) | 100 | 64.99 |
| 5 | Enhanced Interaction with Industry | 40 | 9.49 |
| 6 | Institutional Management Capacity Enhancement | 30 | 5.23 |
| 7 | Implementation of Institutional Reforms | 20 | 13.36 |
| 8 | Academic Support for weak students | 40 | 10.42 |
| 9 | Incremental Operating Cost | 100 | 30.86 |
| Total | | 1000 | 730.31 |

BII. Result analysis (2011-15 Batch)

| 2011-15 (Current Passed out Batch) | | | | | | |
|--|------------------------|---|---------------|---|---|---|
| Details of students graduated in 2015 | | | | | | |
| CIVIL ENGINEERING | | | | | | |
| Category | No. of students | Number of students passed in all semesters | % Pass | Number of students got placement | Number of students qualified in GATE | Number of students joined the institute for higher studies |
| General | 14 | 13 | 92.86 | 5 | 1 | 1 |
| SC | 6 | 4 | 66.67 | - | - | - |
| ST | 2 | 2 | 100.00 | - | - | - |
| OBC | 44 | 39 | 88.64 | 7 | 2 | - |
| PD | 1 | 0 | 0.00 | - | - | - |
| Female | 49 | 45 | 91.84 | - | - | - |
| Male | 18 | 13 | 72.22 | - | - | - |
| Total | 67 | 58 | 86.57 | 12 | 3 | 1 |

| 2011-15 (Current Passed out Batch) | | | | | | |
|--|------------------------|---|---------------|---|---|---|
| Details of students graduated in 2015 | | | | | | |
| Applied Electronics and Instrumentation | | | | | | |
| Category | No. of students | Number of students passed in all semesters | % Pass | Number of students got placement | Number of students qualified in GATE | Number of students joined the institute for higher studies |
| General | 14 | 12 | 85.71 | 1 | 1 | 0 |
| SC | 7 | 2 | 28.57 | 0 | 0 | 0 |
| OBC | 46 | 34 | 73.91 | 4 | 1 | 1 |
| Female | 42 | 38 | 90.48 | 3 | 2 | 0 |
| Male | 25 | 10 | 40.0 | 2 | 0 | 0 |
| Total | 67 | 48 | 71.64 | 5 | 2 | 0 |

| 2011-15 (Current Passed out Batch) | | | | | | |
|--|------------------------|---|---------------|---|---|---|
| Details of students graduated in 2015 | | | | | | |
| CHEMICAL ENGINEERING | | | | | | |
| Category | No. of students | Number of students passed in all semesters | % Pass | Number of students got placement | Number of students qualified in GATE | Number of students joined the institute for higher studies |
| General | 10 | 8 | 80.00 | 3 | 3 | 1 |
| SC | 8 | 0 | 0.00 | 0 | 0 | 0 |
| OBC | 47 | 39 | 82.98 | 5 | 4 | 4 |
| OEC | 3 | 0 | 0.00 | 0 | 0 | 0 |
| Female | 27 | 19 | 70.37 | 3 | 3 | 1 |
| Male | 41 | 28 | 68.29 | 5 | 4 | 4 |
| Total | 68 | 47 | 69.12 | 8 | 7 | 5 |

2011-15 (Current Passed out Batch)
Details of students graduated in 2015
MECHANICAL ENGINEERING

| Category | No. of students | Number of students passed in all semesters | % Pass | Number of students got placement | Number of students qualified in GATE | Number of students joined the institute for higher studies |
|-----------------|------------------------|---|---------------|---|---|---|
| General | 2 | 2 | 100.00 | 0 | 0 | 0 |
| SC | 7 | 2 | 28.57 | 1 | 0 | 0 |
| ST | 1 | 0 | 0.00 | 0 | 0 | 0 |
| OBC | 53 | 34 | 64.15 | 2 | 6 | 2 |
| OEC | 3 | 0 | 0.00 | 0 | 0 | 0 |
| Male | 66 | 38 | 57.57 | 3 | 6 | 2 |
| Total | 66 | 38 | 57.57 | 3 | 6 | 2 |

CI. Annual report of the institution (2014-15)

The BoG may permit the annual report of the institution for the year 2014-15 for publication in the institution web site.

CII. Annual Budget of the institution

The annual budget of the institution for the financial year 2015-16 is given below

| Government Engineering College Kozhikode | | | | | | | | |
|--|---------------------|--------------------|-------------------|-------------|-----------|------------|-----------|-----------|
| Annual Budget of the institution for the year 2015-16 | | | | | | | | |
| Category | Allotment in Rupees | Allotment division | Institution Level | Electronics | Civil | Mechanical | Chemical | |
| NMEICT | 10,00,000 | | | 10,00,000 | | | | |
| ICT | 15,00,000 | | | | 3,75,000 | 3,75,000 | 3,75,000 | 3,75,000 |
| Equipment & Machinery, M&S and other charges | 1,80,00,000 | | | 80,00,000 | 25,00,000 | 25,00,000 | 25,00,000 | 25,00,000 |
| Minor Works | 20,00,000 | | | 20,00,000 | | | | |
| E Journals | 16,00,000 | | | 16,00,000 | | | | |
| ASAP | 4,00,000 | | | | | 2,00,000 | 2,00,000 | |
| Faculty Development | 1,80,000 | | | | 90,000 | 90,000 | | |
| Visiting Faculty | 6,00,000 | | | | | 3,00,000 | 3,00,000 | |
| Library books | 5,00,000 | | | 5,00,000 | | | | |
| Physical Education | 5,00,000 | | | 5,00,000 | | | | |
| TBI | 5,50,000 | | | 5,50,000 | | | | |
| Scholar Support & Step4U | 5,00,000 | | | 5,00,000 | | | | |
| Total | 2,73,30,000 | | | | | | | |

Decision needed: The BoG may discuss and approve the Budget.

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

CIII.1. The 12th Board of Governors meeting approved to organize a “**National Conference on Emerging Trends in Engineering**” in October 2015. Also the meeting approved the budget for the conference.

Dr. Anjana S., Conference Coordinator will present the draft brochure and other details of the conference.

Decision needed: The BoG may discuss and give suggestions for organizing the event.

CIII.2. The Research Guidance Committee (RGC) meeting held on 18/04/2015 chaired by Dr. L.M. Patnaik approved the following research projects. Also the RGC meeting evaluated the ongoing research projects.

| Sl. No | Name of the Faculty | Research Title | Approved Amount (Rs.) | Branch |
|--------|---|---|-----------------------|--------|
| 1 | Mr.Sajeeb A.M. Assistant Professor | Experimental Investigation on the effect of Nano ó fluids on Direct Absorption Solar Collectors | 35,150/- | ME |
| 2 | Dr. Gigi Sebastian Assosiate Professor | Design of a Drinking Water purifier for rural areas PhyllanthusEmblica and activated coconut shell charcoal | 35,000/- | CH |
| 3 | Mrs.Beula C. Assistant Professor | Improvement in efficiency of esterification reaction systems using Bronsted Acidic Ionic Liquids as Catalyst along with simultaneous removal of water | 2,00,000/- | CH |
| 4 | Mrs.Suji S.K. Assistant Professor | Identification and optimization studies on microorganisms capable of removing multiple heavy metals | 32,000/- | CH |
| 5 | Mr.Anees K.J. Assistant Professor | Effect of sandwich solar panel cooling on photovoltaic Performance | Rs.74,200.00 | ME |

Decision needed: The BoG may ratify the projects.

CIV. Faculty and Staff Development Program

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

| Sl. No | Name | Designation | Department | Training provider | Duration and date | Name of program | Expenditure | Remarks |
|-------------------------------|---------------------|---------------------|------------|-------------------------------|-------------------|---|-------------|--------------|
| <u>Faculty members</u> | | | | | | | | |
| 1 | Dileep Kumar P G | Assistant Professor | CE | IIT Madras | 25-27/05/15 | Pedagogical Training | 5891 | |
| 2 | Dr.Sajith P P | Professor | ME | IIT Madras | 25-27/05/15 | Pedagogical Training | 31,569 | |
| 3 | Ushakumary ER | Associate Professor | CH | IIT Madras | 25-27/05/15 | Pedagogical Training | | |
| 4 | Prajeethkumar K P | Assistant Professor | ME | IIT Madras | 25-27/05/15 | Pedagogical Training | | |
| 5 | Anees K J | Assistant Professor | ME | IIT Madras | 19-21/03/15 | Pedagogical Training | 5670 | |
| 6 | Shajeemohan B S | Associate Professor | AE&I | IIT Madras | 19-21/03/15 | Pedagogical Training | 7747 | |
| 7 | Dr.AbdulHamheed K M | Professor | AE&I | Khaleefa University, Abudhabi | 17-19/05/15 | International conference (ICTRC 2015) | 1,11,719 | BoG approved |
| 8 | Raveendran C K | Associate Professor | ME | IIT Madras | 22-24/06/15 | Pedagogical Training | 40000 | (Advance) |
| 9 | Dr.Sreejith B | Associate Professor | ME | IIT Madras | 22-24/06/15 | Pedagogical Training | | |
| 10 | Beula C | Assistant Professor | CH | IIT Madras | 22-24/06/15 | Pedagogical Training | | |
| 11 | Ranjana R | Assistant Professor | CH | IIT Madras | 22-24/06/15 | Pedagogical Training | | |
| 12 | Shyja M | Assistant Professor | CH | IIT Madras | 22-24/06/15 | Pedagogical Training | | |
| 13 | Asokan O.V. | Assistant Professor | AE&I | GEC Thrissur | 10-14/06/13 | Mathematical Modelling and Analysis Systems | 6882 | |
| 14 | Dr.Sajith P P | Professor | ME | Chicago, USA | 10-13/05/15 | International Conference Elsevier | 2,06,130 | BoG approved |

| | | | | | | | | |
|----|------------|---------------------|----|------------|-------------|----------------------|-------|--|
| 15 | Dr.Kouzer | Associate Professor | CE | IIT Madras | 21-23/05/15 | Pedagogical Training | 10311 | |
| 16 | Prof.Ammad | Assistant Professor | CE | IIT Madras | 21-23/05/15 | Pedagogical Training | 5891 | |

Technical Staffs

| | | | | | | | | |
|---|--------------|------------------|------|--|-------------|--------------------------------|-------|--|
| 1 | Jithesh P T | Trade Instructor | AE&I | Advanced Training Institute for Electronics & Process Instrumentation, Hyderabad | 23-27/02/15 | Electrical House Wiring | 36110 | |
| 2 | Mahesh C | Trade Instructor | AE&I | Advanced Training Institute for Electronics & Process Instrumentation, Hyderabad | 23-27/02/15 | Wireless Networking & Security | | |
| 3 | Muralidhar P | Trade Instructor | AE&I | Advanced Training Institute for Electronics & Process Instrumentation, Hyderabad | 23-27/02/15 | Wireless Networking & Security | | |

In house Programs

| Sl. No | Name | Designation | Department | Duration and date | Name of program | Expenditure | Remarks |
|--------|-------------|---------------------|------------|--|-------------------------------|-------------|-------------|
| 1 | Agnes Jacob | Associate Professor | AE&I | 12-14 Feb 20 | FDP | 13,868 | ICT Academy |
| 2 | Agnes Jacob | Associate Professor | AE&I | 16-18 June 2015 | FDP | 71,250 | |
| 3 | Dr.Beula | Assistant Professor | Chemical | 15 th to 18 th July 2015 | Workshop on NBA Accreditation | | |

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

CV. Consideration of newly created procurement packages

Ratification of newly created procurement packages

| S. No | Package No. | Items in the package | Quantity (Total) | Total Package amount, Rs. | Name of the Laboratory for which items |
|-------|-------------|----------------------|------------------|---------------------------|--|
| 1 | 175 | Thermal Image Camera | 1 | 4,50,000 | Mechanical Engineering Lab |

Decision needed: The board may kindly ratify.

CVI. Academic Support Programs

| Sl No. | Name of Faculty | Designation | Department | Name of Program | Duration and Date | Expenditure |
|--------|--------------------|---------------------|------------|---|-------------------------------|-------------|
| 1 | Prajeeth Kumar K P | Assistant Professor | ME | Bridge Class for S4 LET students Mathematics | 12/05/2015 - 27/05/2015 | 14400 |

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

CVII. Institution reforms

CVII. Discussion on progress of the institution towards NBA accreditation and ISO certification.

CVIII. Other Expenditure

| Head "IOC" | | | | | | | |
|------------|--------------------|---------------------|------------|---------------------------------------|------------------------------------|-------------|------------------------------|
| Sl No. | Name of Faculty | Designation | Department | Purpose | Item | Expenditure | Remarks |
| 1 | Prajeeth Kumar K P | Assistant Professor | ME | Electrical Installation (Consumables) | UPS in the PG lab of ME Department | 8011 | UPS purchased under TEQIP II |

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

D. Other Items

DI. As per the revised guidelines given by NPIU for ITSS, the internal and external screening committee recommend Prof. Abdu Rahiman V., Assistant Professor, Electronics department for presenting paper at IEEE International Conference on signal and image processing applications, ICSIPA 2015, Kualalampur, Malaysia, 19 - 21 October 2015. The details will be presented at the BoG meeting.

Decision needed: The board may consider the proposal.

DII. Other items with the permission of the chair.