

**GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE-641013**

**MINUTES OF THE 25<sup>th</sup> MEETING OF THE BOARD OF GOVERNORS HELD AT  
THE PRINCIPAL'S CHAMBER ON 29.12.2016 (THURSDAY) AT 10.00 AM**

The Twenty fifth Meeting of the Board of Governors of the Government College of Technology, Coimbatore-13, was held at the Principal's Chamber of the college on 29.12.2016 at 10.00 AM.

The following members attended the BOG Meeting.

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|--|------------------------|
| 1. Dr.G.Ranganathan Ph.D<br>Chief Executive Officer<br>Rover Components Limited<br>"Kandan" K Vadamadurai PO<br>COIMBATORE 641 017.  | Chairman               |
| 2. Dr.R.Krishnan Ph.D. FNASc.<br>(Retired Scientist ISRO and Director<br>ADRIN & Dean (Academic) IIST<br>17 G.G.Avenue, 1 <sup>st</sup> Street<br>Bharathiyar University<br>COIMBATORE.641 043 | Professionalist Member |
| 3. Dr.S.Palaniswami<br>Secretary<br>Principal, GCT, CBE  | Principal/Member       |
| 4. Er.CV. Lakshminarayanan<br>2E Mayflower<br>Annapoorna Apartments<br>4 <sup>th</sup> Street, K.K.Pudur<br>COIMBATORE 641 038.  | Industry Member        |
| 5. Prof. S. Kumaresan<br>Professor of CSE, GCT, CBE  | Member                 |
| 6. Dr.R.Satyabama<br>Professor of ECE, GCT, CBE  | Member                 |
| 7. Dr.N.Suriyanarayanan<br>Asso.Prof/Physics, GCT,CBE  | TEQIP Co-ordinator     |
| 8. Dr.V.Geetha<br>Assoc. Professor/ EEE, GCT,CBE   | Co-ordinator COE-AER   |

9. Dr.T.Meenambal  
Professor/Civil, GCT, CBE

Co-ordinator COE-ES

The following members could not attend the meeting due to other commitments

10. Mr.T.Devaraj  
Financial Advisor & Chief Accounts Officer  
Directorate of Technical Education  
CHENNAI 600 025.

Financial Nominee

Dr.S.Palaniswami, Principal and Member Secretary extended a warm welcome to the Chairman, members and briefed them on the agenda of the meeting.

The Agenda was then taken up for discussion in an orderly manner. The following items were discussed.

### I.TEQIP (25.1.)

#### **25.1.1 Confirmation of the minutes of the 24<sup>th</sup> meeting of the BOG.**

The Minutes of the 24<sup>th</sup> BOG meeting were confirmed and uploaded in the website.

#### **25.1.2 Resolutions taken at the 25<sup>th</sup> BOG meeting against agenda placed.**

SL. NO.	AGENDA	RESOLUTION
25.1.3	<p>Approval of Foreign travel to Dr.K.Muthukumar, Professor of Chemistry to participate and present a paper in the 32<sup>nd</sup> International Conference on Solid Waste Technology and Management to be held in the month of March 19<sup>th</sup> to 22<sup>nd</sup> 2017 at Philadelphia, PA USA.</p> <p>The total expenditure requested under TEQIP II is Rs.3, 65,000/- (approximately).</p>	<p><b>Approval subjected to reputation of Widener University and journal published by it.</b></p> <p><b>Widener University seems to be fairly a good university in Philadelphia, USA. This University itself publishes the journal of Solid Waste Technology and Management. This journal is listed in Anna University Annexure-II. Further the approval of BOG is obtained through circulation Dated- 01.12.2016. No objection in undertaking the foreign travel and hence, it is approved.</b></p>
25.1.4	<p>Approval of Foreign travel to Dr.C.Sivasankari, Assistant Professor of Chemistry to participate and present a paper in the 2017 International Conference on Green Energy and Applications at Nanyang Technological University, Singapore from March 25<sup>th</sup> to 27th 2017.</p> <p>The total expenditure requested is Rs.2,20,000/- (approximately).</p>	<p><b>No objection in undertaking the foreign travel and</b></p> <p><b>Approved.</b></p>

25.1.5	<p>Approval of Foreign travel to Ms. S.Indhu, Ph.D.Research Scholar, Department of Chemistry to participate and present a paper in the 2017 International Conference on Green Energy and Applications at Nanyang Technological University, Singapore from March 25<sup>th</sup> to 27th 2017.</p> <p>The total expenditure requested under TEQIP II is Rs.82,000/- (approximately)</p>	<p><b>No objection in undertaking the foreign travel and</b></p> <p><b>Approved.</b></p>
<p><b><u>25.2 - CENTRE OF EXCELLENCE IN ALTERNATE ENERGY RESEARCH AND ENVIRONMENTAL STUDIES</u></b></p>		
25.2.1	<p>Approval for Fabrication and Installation of Pyrolysis plant with Distillation unit for plastic disposal with 100 kg capacity at an estimated cost of Rs. 22,00,000/- under “Head of Account – R&amp;D”.</p>	<p>1) The extraction of oil from the plastic needs more detailed technical report. Whether it needs clearance from the Pollution Control Board (PCB). These points to be analyzed.</p> <p>2) Whether the oil will be commercialized or not. These questions need answer. The Chairman and the members advised to make a demo model at first and use the oil for our college purposes. After experimenting mass preparation can be done. Hence, this proposal is deferred.</p>
25.2.2	<p>Approval for 6 faculty members visiting M/s. Crimpon Cobalt, Pune during fourth week of January 2017 at an estimated cost of Rs. 3,50,000/- under “Head of Account – I.I.I Cell”.</p>	<p>The Chairman and the members opined that the cost involved in visiting the places seems to be high. They requested to restructure the amount and furnish the breakup details.</p> <p>Further, the Chairman and the members advised two faculty members along with a housekeeping person initially may be deputed to study the details. After preparing a detailed project report by them, if it is necessary the other faculty members may be deputed.</p>
25.2.3	<p>Approval for 6 faculty members visiting M/s. Dow Chemicals, Mumbai during fourth week of February 2017 at an estimated cost of Rs. 2,50,000/- under “Head of Account – I.I.I Cell”.</p>	<p>The BOG Chairman and members expressed that the cost involved is high. They requested to reduce the cost by sending limited number of required faculty members.</p>

25.2.4	Approval for organizing one week FDP Programme on “Bioenergy and its Applications” during 1 <sup>st</sup> week of February 2017 at an estimated cost of Rs. 3,00,000/-.	Approved.
25.2.5	Approval for organizing one week FDP Program on “Environmental Management and Analytical Instrumentation Techniques using Nanotechnology” during second week of February 2017 at an estimated cost of Rs. 3,00,000/-.	Approved.
25.2.6	Approval for organizing one day National conference on “Innovative Applications and Future Perspectives of Nanotechnology” at an estimated cost of Rs. 1,50,000/-.	Approved. But, BOG asked the date and month of conducting this programme. Further BOG advised to conduct this programme in the month of March 2017.
25.2.7	<b>Approval for procurement of 4 Nos. of DO Probe (up gradation of accessory for autoclave fermentor) at an estimated cost of Rs. 8, 80,000/-</b>	The BOG requested a detailed report on the existing Probe and the advantage of the new Probe. Justification and comparison is needed.  Further Principal pointed out that the cost involved is high and suggested to purchase two numbers of probes at first and after evaluating the performance and effective using, other two may be purchased. Hence this proposal is approved for the purchase of two probes.
25.2.8	Approval for procurement of Semi Automatic UF Membrane Casting Unit at an estimated cost of Rs. 2,00,000/-.	Approved.
25.2.9	Approval for procurement of MFM Starter Kit for AFM at an estimated cost of Rs. 2, 25,000/-.	Approved.  Members pointed out that it is additional accessory for AFM. Further they requested to submit a detailed report and justification.
25.2.10	Approval for procurement of Nanoindentation Starter Kit for AFM at an estimated cost of Rs. 2,75,000/-.	Approved. (A detailed report and justification report is needed)
25.2.11	Approval of Research grant to Mr. M. Praveen Kumar, Full time Research scholar under the guidance of Dr. R. Thenmozhi at an estimated cost of Rs.2,59,000/- under “Head of Account – R&D”.	The Chairman pointed out that there is no literature survey details in this project.  It is subjected to the approval based on the Literature survey and related R&D projects and papers.

25.2.12	Approval for AMC for HPLC, Rotary Vacuum Evaporator & Cold Storage Chamber under “Head of Account – IOC”	The approval is subjected to AMC should be within 10% to 12% of the basic cost of the equipment. They advised to negotiate the company to reduce the cost for AMC to this amount.
25.2.13	Approval for foreign travel by Dr. T. Meenambal & Dr. S. Vairam for oral presentation in 14 <sup>th</sup> Conference on “Nanomaterials & Nanotechnology” to be held at Madrid, Spain during March 30-31, 2017 at an estimated cost of Rs. 5,40,000/-. “Head of Account – FDP”.	<p>No objection in undertaking the foreign travel and</p> <p style="text-align: center;">Approved.</p> <p>The Chairman and the members pointed out that the faculty members should apply for such conferences to highly reputed institutes or Universities in future.</p>
<b>25.3. -CENTRE OF EXCELENCE – ALTERNATE ENERGY RESEARCH</b>		
25.3.1	Approval of Research project on “Shunt Active Filter for Renewable Energy System” to Dr.R.Rajeswari, AP/EEE – Rs.2.6 Lakhs	The need for elimination of harmonics in power system using shunt active filter has been explained. Further the Chairman and the members advised to apply for Central Funding in future. However the above said project is approved by BOG.
25.3.2	Approval of Research project on “Grid integration of existing 5kW stand alone PVsystem” to Dr.K.Ranjithkumar, AP/EEE – Rs.4 Lakhs	<p>The collaboration between the institute and industry must be initiated and commercialization of the design of inverter should be done. Further detailed input and justification required.</p> <p>The Proposal for the project has been approved.</p>
25.3.3	Approval for conduct of workshops for B.E EEE – IV sem – by Dr.K. Ranjithkumar – Rs.2 Lakhs, VI sem – Dr.R.Rajeswari – Rs.2 Lakhs, VIII Sem – Dr.S. Chitra – Rs.2 Lakhs, M.E II Sem (PED and PSE) – Dr.K.Baskaran – Rs.1 Lakh, M.E IV Sem (PED and PSE) – Dr.E.Latha Mercy – Rs.1 Lakh to create exposure on solar and wind energy systems.	<p>Details of the industry and their Collaborative activities with the institution for the conduct of workshop should be decided.</p> <p>Topic of the workshop must be finalized.</p> <p>Hands on training for students can be added.</p> <p>The conduct of workshops has been approved for further action.</p>
25.3.4	Approval of seed money for under graduate students project on “String monitoring system for existing grid connected (20kW) solar PV plant” – to Dr.V.Geetha Rs.2.6 Lakhs	Protection and reliability of the existing solar PV plant will be enhanced due to string monitoring. Therefore the project is approved under R & D.

25.3.5	Approval for upgrading the facility – FPGA controller for power converters used in Renewable energy system in the view of providing hands on experience to students Dr.P.Maruthupandi – Rs.9 Lakhs	Scope of purchasing the FPGA controllers must be linked to R&D project. The BOG suggested that this could be done under I.I.I without getting software and hence this project is approved for further action under I.I.I.
25.3.6	Approval for applying National and International patent by full time research scholar Mr.Immanuel John Samuel – Rs.8 Lakhs	Applying for Indian patent has been approved. Detailed market survey should be submitted before applying for International patent.
25.3.7	Approval for additional fund to carry out research by Full time Research scholar Mr.Immanuel John Samuel, Guide : Dr.V.Gopalakrishnan – Rs.4 Lakhs.	The need for protection system for solar PV plant against wind force has been discussed and approved.
25.3.8	Approval for conducting training programme for technicians in the area of solar PV system – Design and maintenance issues – Dr.K.Ranjithkumar – Rs.2 Lakhs	The expenditure split up may be given before conducting the workshop. The participants from other institutions and industry are to be encouraged. The proposal has been approved.
25.3.9	Approval for procurement of equipment modern grid control study using advanced ARCHE type development platform”. under CoE-AER by the Research Scholar Dr.Sujatha Balaraman–Rs.10 Lakhs	Approved The name of the item has been modified as “Real time digital stimulator for modern grid control study using advanced ARCHE type development platform”. Specifications of the item should be given.
25.3.10	Approval for additional fund for Solar Electric Vehicle – by Final Year Students, (Sathish.P, Ponmani Sundar.S, Vijay Pradap.K) at an estimated cost of Rs.2,70,000/- Guide- Dr.K.Baskaran, Asso.Prof/EEE	Approved. Identifying Contest for displaying solar car has to be encouraged. Long term vision to improve, redesign and the performance of vehicle should be formulated.
	Any other items.	NIL

The meeting came to a close at 3.00 PM as the Chairman and Member Secretary thanked all the members for their presence and participation.

*Srinivas*  
PRINCIPAL  
MEMBER / SECRETARY

Copy to:  
The Chairman, BOG/All the members of BOG

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Copy submitted to The Director of Technical Education, Chennai 25 – for information

Copy to: CoE ES / CoE AER Co-ordinators – to take follow-up action

Copy to: PA to Prl / Bursar / A Section Superintendent / D1,A2 & B2 Assts / TEQIP Office

Copy to: Dr.R.Thenmozhi, Asso.PCE – to publish in the Website