



MINUTES OF THE 33rd MEETING OF THE BOARD OF GOVERNORS OF GOVERNMENT COLLEGE OF TECHNOLOGY COIMBATORE HELD ON 20TH SEPTEMBER 2019 AT 10.30 A.M. IN THE PRINCIPAL CHAMBER, GCT, COIMBATORE

PRESENT:

1. Dr. K. Muruganandan Chairman
2. Dr. P. Thamarai Member/Secretary
3. Dr. S. T. Ramesh Member
4. Dr. S. Ganesan University Nominee
5. Dr. P.K. Palani,
Professor of Mechanical Engineering Member
6. Dr.A.Ramadevi, Professor of Chemistry Member

The following members are unable to attend the meeting due to their other administrative commitments.

1. Thiru. P.N. Kannan Member
2. Prof. Ashesh Tiwari Member (UGC Nominee)
3. Dr. M. Arularasu Ex-Officio Additional Director (Exam)
4. Tmt. S. Sayeelakshmi Ex-Officio Financial Advisor & Chief Accounts Officer

The 33rd BOG meeting was convened on 20th September 2019 at 10.30 a.m. in the Principal chamber, GCT, COIMBATORE. The principal extended a warm welcome to all BoG members and briefed about agenda of the meeting.

The chairman initiated the meeting and thereafter the deliberations on the Agenda Items were initiated.

**ITEM NO. CONFIRMATION OF THE MINUTES OF THE 32nd
33.1.1 MEETING OF THE BOG**

RESOLUTION 33/BoG/ 1

The Minutes of the 32nd meeting of the Board of Governors is confirmed.

**ITEM NO. ACTION TAKEN REPORT OF THE 32ND BOG MEETING
33.1.2**

Resolution 33/BoG/2

The "Action taken" report is approved by the board.

**ITEM NO. APPROVAL OF ACTION PLAN TO BE EXECUTED FROM
33.1.3 OCTOBER 2019 TO DECEMBER 2019 UNDER TEQIP-III.**

Resolution 33/BoG/3

The Action plan for TEQIP activities for the period October 2019 to December 2019 is approved by the Board.

**ITEM NO. APPROVAL OF ACTION PLAN FOR COE ACTIVITIES TO
33.1.4 BE EXECUTED FROM OCTOBER 2019 TO DECEMBER
2019 UNDER TEQIP-III.**

Resolution 33/BoG/4

The Action plan for CoE activities for the period October 2019 to December 2019 is approved by the Board.

**ITEM NO. APPROVAL OF REVISION OF PH.D. ASSISTANTSHIP
33.1.5 FROM RS.12,000/- TO RS.18000/- PER MONTH TO FULL
TIME RESEARCH SCHOLARS.**

Resolution 33/BoG/5

The revision of Ph.D Assistantship of Rs.18,000/- per month is approved with effect from September 2019 and also contingency grant of Rs.15,000/- per year per student will be provided with the approval of supervisor on reimbursement basis.

**ITEM NO. APPROVAL AND FIXATION TO PROVIDE TRAVEL
33.1.6 EXPENSES INCURRED BY THE STUDENTS FOR
INDUSTRIAL VISIT.**

Resolution 33/BoG/6

The reimbursement of travel expenses to the students visiting Industries of Rs. 40,000/- per class/section of students is approved by the board.

**ITEM NO. RATIFICATION AND APPROVAL FOR PROVIDING
33.1.7 INTERNSHIP AMOUNT TO THE STUDENTS FOR TRAVEL
AND SUNDRY EXPENSES.**

Resolution 33/BoG/7

The travel and sundry expenses of Rs.2000/- per student who have undergone internship for 4 weeks is approved and ratified by the board.

**ITEM NO. APPROVAL AND FIXATION OF THE REGISTRATION
33.1.8 FEE, TRAVEL EXPENSES TO THE UG & PG STUDENTS
FOR PARTICIPATING IN WORKSHOPS, SEMINARS AND
CONFERENCES**

Resolution 33/BoG/8

The registration fee upto a maximum of Rs.2000/- for UG and Rs.5000/- for PG students and travel expenses to the eligible students who are attending workshops, seminars and conferences in IIT's/NIT's & Government organizations is approved by the board. Total expenses should be limited to Rs. 2 Lakh/year.

**ITEM NO. APPROVAL AND FIXATION TO GRANT THE SEED
33.1.9 MONEY TO THE TEAM ASPHALTERS (24 STUDENTS)
FOR PARTICIPATION IN A NATIONAL LEVEL TRACTOR
DESIGN COMPETITION (TDC 2019) CONDUCTED BY
SAEINDIA SOUTHERN SECTION AT SRM INSTITUTE OF
SCIENCE AND TECHNOLOGY, CHENNAI FROM
22.08.2019 TO 24.08.2019 AT A COST OF RS.4,75,030/-
INCLUDING TRAVEL EXPENSES.**

Resolution 33/BoG/9

The Seed money to the team ASPHALTERS for the participation in a National level tractor design competition at a cost of Rs.4,75,030 is approved by the board.

ITEM NO. 33.1.10 APPROVAL AND FIXATION TO GRANT THE SEED MONEY TO THE TEAM GCT SCREWTEENIZERS (25 STUDENTS) FOR PARTICIPATION IN A NATIONAL LEVEL INTER COLLEGIATE STUDENT DESIGN COMPETITION HELD AT CHITKARA UNIVERSITY, PUNJAB DURING 13TH & 14TH JULY 2018 AT A COST OF RS.9,85,000/-.

Resolution 33/BoG/10

The Seed money to the team GCT SCREWTEENIZERS in a National level inter collegiate student design competition at a cost of Rs.9,85,000 is approved by the board.

ITEM NO. 33.1.11 APPROVAL TO PROVIDE FINANCIAL SUPPORTS TO BAJA SAE TEAM SCREWTEENIZERS TO PARTICIPATE IN THE UPCOMING BAJA SAE 2020 EVENT WITH THE PROJECT COST OF RS.28 LAKHS.

Resolution 33/BoG/11

The team SCREWTEENIZERS to participate in the upcoming BAJA SAE 2020 event is approved by the board and also approved to provide registration fee and fabrication expenses as an initial payment.

ITEM NO. 33.1.12 APPROVAL FOR REINITIATING THE EXISTING PROCUREMENT UNDER TEQIP-III / NEW INITIATION THROUGH TEQIP.

Resolution 33/BoG/12

The decision of the board for reinitiation / New initiation of procurement packages are as below:

Sl. No.	Package Name/ Dept/Qty/Amount	Department	Mode of purchase	Action taken by the board
Package Initiation/ Ratification				
1	Real Time PCR Rs. 8,00,000/-	IBT	Shopping	Ratified and Approved
2	Indoor Weather and Air Quality Monitoring Kit Rs. 4,00,000/-	Civil	Shopping	Approved
3	Industrial IOT Training System Rs. 15,00,000/-	IT	Shopping	Approved

4	Coordinate Measuring Machine Rs.16,00,000/-	Mech	Shopping	Ratified and Approved
Package for Approval				
1	X-RAY Diffractometer with Accessories Rs. 45,00,000/-	CoE- ES	Shopping	Approved
2	Electrical Motor testing setup Rs. 45,00,000/-	CoE-AER	Shopping	Approved
3	Furniture_1 Rs.1,80,000/-	TEQIP	Shopping	Approved

**ITEM NO. PROPOSAL FOR R & D ACTIVITIES OF THE
32.1.13 DEPARTMENT**

Resolution 33/BoG/13

The R & D Proposals under TEQIP, CoE-ES and CoE-AER activities are approved by the board.

R & D Proposals under TEQIP

Sl.No.	Title of the project	Name of the Guide	Name of the faculty member(s)/ student(s)	Estimated cost (Amount in Rs.)
1.	Experimental Investigation and Simulation Analysis of Parabolic trough Solar Collector	Dr. M. Sekar, Professor of Mechanical Engineering	S. Arunkumar, Ph.D Scholar, Mechanical Engineering	2,50,000
2.	Experimental Investigations on Electrochemical Discharge Machining of Bioceramics	Dr. T. Sekar, Assistant Professor(Sr. Gr.) of Mechanical Engineering	M. Vijay, Ph.D. Scholar of Mechanical Engineering	2,00,000
3.	Advanced wetness monitoring system using IOT	Dr.P.Deepa, Assistant Professor of ECE	R.L. Jeniba, II Year ME- Applied Science, ECE	27,663
4.	BLE Beacon following smart rover.	Mr. S. Mathivanan, AP/ ECE	Karthick K.V. , II Year ME Applied Electronics of ECE	50,710
5.	Experimental Investigations on the Effective Utilization of Granite Powder (SCC)	Dr. D. Padmini, Professor/ CE	M.Arunkumar , II Year ME Structural Engineering	10,000
6.	Investigation of chloride induced corrosion in reinforced concrete	Dr.S. Chithra, AP/ CE	A. Abinayaa, Ph.D. Scholar, Civil Engineering	1,44,480

	elements admixed with inhibitors.			
7.	Experimental study on self compacting concrete using Eco Sand.	Dr.S. Chithra, AP/CE	S. Venkadeshraja , M.E. Structural Engineering (II Year)	10,000
8.	Study on Concrete-Steel Interaction in Reinforced Concrete Elements, when exposed to Marine Environment.	Dr.S. Chithra, AP/CE	M. Muhsina Parveen, M.E. Structural Engineering (II Year)	12,000
Total				7,04,853
R & D Proposals under CoE- ES activities				
1.	Fabrication, Physico-chemical Characterization and In Vitro Release Evaluation of Matrix Type Transdermal Patches of Insulin functionalized Cerium Oxide Nanoparticles for Type 2 diabetic patients. This proposal is intended to develop a prototype, which can be applied for the grant of patent. Also with this prototype, the research proposal will be submitted to the BIRAC, Government of India on collaboration with CMC Vellore	Dr.J. Jeyanthi, Professor/ Civil Engg.	Dr.A. Thirunavukkarasu, AP/IBT, Dr. R. Nithya, AP/IBT	1, 50,000
2.	Adsorption isotherm and kinetic studies for the removal of textile dye effluent using functionalised nanoparticles.	Dr.J. Jeyanthi, Professor/ Civil Engg.	Ms. Nafisa begum, AP/ IBT	60,000
3.	Development of filter using Iron Nanoparticle Synthesized using Microalgae for the removal of Dye from Textile effluent.	Dr.J. Jeyanthi, Professor/ Civil Engg.	Ms. J. Mercy Nisha Pauline, AP/ IBT	75,000

4.	Green synthesis of ZnO doped CeO nanoparticles using Momordica cymbalaria fruit karp and its antioxidant, antimicrobial, anticancer and drug delivery applications.	Dr.J. Jeyanthi, Professor/ Civil Engg.	Dr. G. Sharmila, AP/ IBT and Mr. C. Muthukumaran, AP/ IBT	1,00,000
5.	Experimental work on Optimization and Enhanced Lipid production Using Chlorella From Vegetable waste and Edible oil.	S.Murugan, Assistant Professor, Professor of Civil Engg.	Anisha Mathai, ME Environmental Engineering	18,300
6.	Experimental work on Air pollution monitoring and modelling in Mettupalayam road.	S.Murugan, Assistant Professor of Civil Engg.	R.Aravinth, ME Environmental Engineering	30,750
7.	Experimental work on Analysis of ground water quality around Singanallur lake in Coimbatore.	Dr. C.Meiaraj, Associate professor of civil Engineering	A.Jencipriya, ME Environmental Engineering	8,500
8.	Experimental work on Textile Dye removal using photocataytic cascade disc reactor coated by CeO ₂ nanoparticles.	Dr.J.Jeyanthi, professor of civil Engineering	A.Herbert shyji, ME Environmental Engineering	17,000
9.	Experimental work on Synthesis and Characterization of ZnO-Ag nano composites.	R.Bhuvaneswari, Assistant professor of civil Engg	R.Jeyasankari, ME Environmental Engineering	27,800
10.	Experimental work on Treatment of Industrial Effluent using Activated carbon prepared from various waste materials.	K.Rajeshkumar, Assistant professor of civil Engineering	B.Mayilsankar, ME Environmental Engineering	9,900
11.	Experimental work on Biogas generation using Anaerobic Digestion from Night soil.	S.Murugan, Assistant professor of civil Engg.	J.Muthuniranjana, ME Environmental Engineering	12,000
12.	Experimental work on Synthesis and characterization of surface modified super	Dr.J.Jeyanthi, professor of civil Engineering	V.Poovizhi, ME Environmental Engineering	15,250

	paramagnetic Iron oxide Nanosorbents for the removal of carbamazepine.			
13.	Comparative study on In vessel and Vermi Composting methods of Kitchen refuses at NRS-Canteen of GCT Campus.	Dr.J.Jeyanthi, professor of civil Engineering	M.Saravanakumar, ME Environmental Engineering	20,000
14.	Experimental work on Lipid Extraction from the diary waste water using Oleaginous algae.	Dr.J.Jeyanthi, professor of civil Engineering	J.Satheesh, ME Environmental Engineering	5,500
15.	Experimental work on Charcterization of Tannery effluent and synthesis of natural coagulant.	R.Bhuvanewari, Assistant professor of civil Engineering	A.Shaheen Fathima, ME Environmental Engineering	9,500
16.	Experimental work on Lipid Extraction from the tannery waste by algae.	S.Murugan, Assistant professor of civil Engineering	P.Sibiragavi, ME Environmental Engineering	16,500
17.	Experimental work on Synthesis and Charcterization of Fe-DOPED Titanium dioxide nano composite.	R.Bhuvanewari, Assistant professor of civil Engineering	B.Vignesh, ME Environmental Engineering	34,481
Total				6,10,481
R & D Proposals under CoE- AER activities				
1.	Design and Fabrication of Multifunctional Transformerless grid connected inverter for PV application.	Dr. P. Maruthupandi, AP/ EEE	P.Manikandan, Ph.D. Research Scholars	5,00,000
2.	Energy Management Plan for EIE Block under Environment Management Plan.			2,40,000 + applicable tax
Total				7,40,000 (approx.)

ITEM NO. NON-TEQIP ITEM

32.2

Resolution 33/BoG/14

The Department wise Budget allocation in Block grant for the Academic Year 2019-20 is approved by the board.

Any other item Patent

Resolution 33/BoG/15

The Board approved the patent filing, publication and examination charges around Rs.54,500/- for TEQIP funded SRF Phase VI project titled "Hearing AID Ear-Phones".

The meeting ended at 1.00 P.M. with the vote of thanks.

P. Th 24/9/19
PRINCIPAL

MEMBER / SECRETARY

Copy to:

The Chairman, BOG

All the members of BOG

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 / D1, A2 & B2 Assts / TEQIP Office

Mrs. Meena Kowsalya, Mrs. L. Sumathi– to publish in the Website