

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME**

**Phase II Sub Component 1.1**

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

**MINUTES OF THE MEETING**

**Date: 30/10/2020**

**Time:10:30 am**

**Virtual Meeting**

**RAJIV GANDHI INSTITUTE OF TECHNOLOGY**

**VELLOR P.O., KOTTAYAM-686501 KERALA**

**Phone: 0481-2505963**

The Chairman, Dr. V. G. Idichandy, Professor, IIT Madras presided over the meeting.

The following members of the BoG attended the meeting:

1. Col. Shaji M. Varghese, Managing Director, Kerala Electrical & Allied Engineering Company Ltd. (KEL)
2. Dr.P.Ravikumar, Joint Director,CDACThiruvananthapuram
3. Smt. Sreekala.S, Deputy Secretary Higher Education Department, State Government nominee.
4. Dr. Vrinda V. Nair, Director SPFU.
5. Dr. Jalaja M.J. Principal
6. Dr. Cibile K.K , Institutional member (HoD ECE)
7. Dr. Sobhana N.V. Institutional member (HoD CSE)
8. Dr. A. Ramesh , Coordinator TEQIP

#### **Also Present**

Dr. Vincent G, Academic Coordinator

Prof. Jomy Thomas, Nodal Officer Finance, TEQIP

Prof. Antony J.K, III cell Coordinator, TEQIP,

Dr. Manju B, HoD, EEE

Dr. Binumol Tom, Professor in B.Arch

Prof. John C.John ,HoD , MCA

Dr. Ciby Thomas,Professor &HoD , ME

Dr. Praveen A., Nodal officer R&D Committee

Prof. Umesh A. C, Nodal officer Equipment Maintenance and Replacement & Committee

Prof. Swapnesh S.Asst.Prof., ME

The meeting started at 10:30 am with the welcome speech by Dr. Jalaja M.J. Principal, welcomed all the members to the 25<sup>th</sup> Meeting of the Board of Governors.

The Chairman in his opening remarks welcomed the new BoG members Dr.Vrinda V. Nair, Director SPFU, Smt. Sreekala.S, Deputy Secretary Higher Education Department and Dr. Cibile K.K, HOD ECE, Institutional member to the meeting. He expressed sincere thanks to the former SPFU Director, Dr. K. Najeeb and Prof. Geetharenjin P. R former Institutional member for their support.

The BoG nominated Dr. Cibile K.K., Professor & Head of ECE Department as institutional member in place of Prof. Geetharenjin P. R who has retired from service in March 2020.

The Chairman mentioned that the whole world is going through a difficult period due to the effect of COVID pandemic. He suggested that due attention must be taken for the conduct of online classes, lab sessions and evaluations. Collective effort is required from all stakeholders to make RIT the best institution in the KTU.

The Chairman invited Dr. A Ramesh, TEQIP Coordinator to present the agenda items for discussions and approval.

## Decisions on Agenda Items

### Part A

#### **A1. Confirming the Minutes of the 24th meeting of the BoG convened on 4<sup>th</sup> October 2019 at Conference Hall, Rajiv Gandhi Institute of Technology, Kottayam.**

The draft minutes of the 24th meeting of the BoG convened on 4<sup>th</sup> October 2019 at Conference Hall, Rajiv Gandhi Institute of Technology, Kottayam, was sent to the Chairman with copy to all the members. The Chairman approved the minutes. A copy of the Minutes is appended as Appendix A1 for confirmation.

Dr. Vrinda V. Nair, Director SPFU pointed out some typographical mistakes in the previous minutes. Dr. A. Ramesh, Coordinator TEQIP informed that it will be corrected.

**BoG Decision: The Minutes of the 24th meeting of the BoG is confirmed.**

#### **A2. Report on the action taken on the pertinent decisions in the Minutes of the 24<sup>th</sup> meeting of the BoG convened on 4<sup>th</sup> October 2019 at Conference Hall, Rajiv Gandhi Institute of Technology, Kottayam.**

Dr. Vrinda V. Nair, Director SPFU pointed out that in the Table on action taken based on decisions taken during the previous BoG meeting action taken on the proposal submitted by Prof. Peter K Abraham is not seen. TEQIP coordinator informed that the decision taken in the BoG was that the proposal is approved subject to the approval of the corresponding internal committee. After the last BoG meeting, different committees have been constituted in the institution for the evaluation of proposals received. The principal informed that the committees have verified the proposals and the approved ones are included in the present agenda.

A discussion was held regarding the activities conducted in the institution after the previous meeting of the BoG. The principal informed that all the B.Tech programmes are accredited by the NBA for three years. The preparation for accreditation for the PG programmes has started. The status of pre-qualifier was presented. Dr. A. Praveen, Dean PG programmes informed that there is a pre-qualifier requirement on at least one Professor and an Associate professor for the PG programme. For PG programmes in the ME and ECE departments, faculty with degree specialization in the corresponding domain is available. For other departments there are competent faculty members who are having expertise is available but the M.Tech degree specialization is not there. In all other criteria, all departments are well clear in terms of the pre-qualifier requirements. BoG recommended that attempt should be made to fill this gap and in any case, we should submit the pre-qualified and try for NBA accreditation for all the PG programmes. The principal informed the BoG that already a request has been sent to the DTE in this connection.

The principal informed that preparation is in progress for NIRF ranking. Chairman expressed happiness on the progress made and appreciated the efforts taken by the institution in this direction. He informed that many funding agencies have taken NIRF ranking as a basic criterion for applying for funding.

The Chairman expressed concern over the number of students who have qualified GATE exam this year. As compared to last year the number of students who have appeared for GATE has increased whereas the number of qualified students has come down. Feedback needs to be taken from students regarding the GATE coaching and corrective measures should be initiated.

## B1. Consideration of the various academic programs for the next six months.

### B1.1. Conferences/STTP/ Online Courses through SWAYAM portal for Faculty/Staff

Sl.No	Name of faculty	Designation & Dept.	Topic	Institution	Type	Date	Duration	Amt.(Rs.)
1.	Dr. Vinish V. Nair	Prof., CE	Basics of Finite Element Analysis-I	NPTEL-IIT Kanpur	Online Swayam MOOC Course	Sept. to Nov. 2020	8 weeks	Rs.1,000/-
2.			Infrared Spectroscopy for pollution Monitoring	NPTEL IISc Bangalore	Online Swayam MOOC Course	14 <sup>th</sup> Sept. - 9 <sup>th</sup> Oct. 2020	4weeks	Rs.1,000/-
3.	Prof. Saji A. J	Assoc. Prof. ECE	Micro electronics: Devices To Circuits	IIT Roorkee	Online	14 <sup>th</sup> Sept. - 4 <sup>th</sup> Dec 2020	12 weeks	Rs 1000/-
4.	Prof. Umesh A C	Assoc. Prof. ECE	Thermal processing of food	IIT Madras	Online	Sept. to Nov.2020	8 weeks	Rs 1000/-
5.	Dr. Manju Manuel	Assoc. Prof. ECE	Deep Learning	IIT KGP	Online	Sept. to Dec. 2020	12 weeks	Rs 1000/-
6.	Prof. Riyas K S	Assoc. Prof. ECE	Electrical Vehicle design	IIT Madras	Online	14th Sept.- Nov, 2020	8 weeks	Rs 1000/-
7.			Introduction to Embedded Design	IIT Delhi and IIT Jammu	Online	14 <sup>th</sup> Sept.- Nov, 2020	8 weeks	Rs 1000/-
8.	Prof. Sujithamol S	Asst. Prof. ECE	Semiconductor Devices and Circuits	IISC	Online	Sept. to Dec. 2020	12 weeks	Rs 1000/-
9.	Prof. Arun Varghese	Asst. Prof. ECE	Python for Data Science	IIT Madras	Online	14 <sup>th</sup> Sept. - 9 <sup>th</sup> Oct 2020	4 weeks	Rs 1000/-
10.	Prof. Josemartin M.J.	Asst. Prof. ECE	Stress Management	IIT Kharagpur	Online	Sept. to Oct. 2020	4 weeks	Rs 1000/-
11.			Technical English for Engineers	IIT Madras	Online	Sept. to Nov. 2020	8 weeks	Rs 1000/-
12.			Fundamentals of Outcome- Based	NITTTR Bhopal	Online	Sept. to Nov. 2020	8 weeks	Rs 1000/-

	Dr. Upama Rajan M.N.	Asst. Prof. ECE	Curriculum in Engineering Education					
13.			Millimeter Wave Technology	IIT Kharagpur	Online	Sept. to Nov. 2020	8 weeks	Rs 1000/-
14.			Introduction to Internet of Things	IIT Kharagpur	Online	Sept. to Dec. 2020	12 weeks	Rs 1000/-
15.	Prof. Anu George	Asst. Prof. ECE	Stress Management	IIT Kharagpur	Online	Sept. to Oct. 2020	4 weeks	Rs 1000/-
16.	Prof. Shinoj K. Sukumaran	Asst. Prof. ECE	Ethics in Engineering practice	IIT Kharagpur	Online	Sept. to Oct. 2020	8 weeks	Rs 1000/-
17.			Technical English for Engineers	IIT Madras	Online	Sept. to Nov. 2020	8 weeks	Rs 1000/-
18.	Prof. Annie George	Asst. Prof. ECE	Stress Management	IIT Kharagpur	Online	Sept. to Oct. 2020	4 weeks	Rs 1000/-
19.	Prof. John C John	Assoc. Prof., Computer Applications	Business Analytics & Text Mining Modeling Using Python	IIT Roorkee	online	July to Dec. 2020	8 weeks	Rs 1000/-
20.	Prof. Tomsy Paul	Asst. Prof. , Computer Applications	Big Data Computing	IIT Patna	online	July to Dec. 2020	8 weeks	Rs 1000/-
21.	Dr. A. Ramesh	Prof.,ME	Energy Conservation and waste heat recovery	IIT Kharagpur	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	12 weeks	Rs 1000/
22.	Dr. Biju Augustine	Assoc. Prof ,ME	Leadership	IIT Kharagpur	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	4 weeks	Rs 1000/
23.			Design Thinking	IIT Madras	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	4 weeks	Rs 1000/
24.	Dr. Ciby Thomas	Prof. and HoD	Human Resource Development	IIT Bombay	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	4 weeks	Rs 1000/
25.	Dr. R Rajesh	Assoc. Prof . ME	Design Thinking	IIT Madras	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	4 weeks	Rs 1000/

26.	Prof. Antony J K	Asst Prof ME	Product Design & Development	IIT Roorkee	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	4 weeks	Rs 1000/
27.	Dr. RenjuKurian	Assoc. Prof , ME	Advanced Fluid Mechanics	IIT Kharagpur	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	12 weeks	Rs 1000/
28.	Dr. Jinesh N	Asst. Prof . ME	Finite Element Method: Variational Methods to Computer Programming	IIT Guwahati	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	12 weeks	Rs 1000/
29.	Prof. Madhukumar	Asst. Prof . ME	Engineering Fracture Mechanics	IIT Kharagpur	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	8 weeks	Rs 1000/
30.	Prof. Ramesh Krishnan S.	Asst. Prof. ME	Powder Metallurgy	IIT Madras	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	12 weeks	Rs 1000/
31.	Prof. Kiran Kumar M	Asst .Prof. ME	Selection of Nano materials for Energy Harvesting and Storage Applications	IIT Roorkee	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	8 weeks	Rs 1000/
32.	Prof. Sidharthan S.	Asst. Prof . ME	Automation in Manufacturing	IIT Guwahati	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	12 weeks	Rs 1000/
33.	Prof. Swapnesh S.	Asst. Prof. ME	Programming, Data Structures and Algorithms using Python	Chennai Mathematical Institute	Online	14 <sup>th</sup> Sept . to 8 <sup>th</sup> Dec.	8 weeks	Rs 1000/
34.	Prof. Michael George	Asst. Prof. ECE	AICTE - NITTTR - Module 6 - Student Assessment and Evaluation	AICTE - NITTTR	Online	Sept.-Oct. 2020	8 weeks	Rs 1000/-
35.			AICTE - NITTTR - Module 7 - Creative Problem Solving , Innovation and Meaningful R & D	AICTE - NITTTR	Online	Sept.-Oct. 2020	8 weeks	Rs 1000/-
36.	Prof. Tessy Varkey	Asst. Prof. Architecture	Introduction to Research	IIT, Madras	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs 1000/



37.			Fundamentals of Outcome-Based Curriculum in Engineering Education	NITTTR Bhopal	Online	From 21st September 2020	8 weeks	Rs 1000/
38.	Dr. Binumol Tom	Prof. Architecture	Ecology And Environment	IIT Madras	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs 1000/
39.			Modern Indian Art From The Colonial Period To The Present	ViswaBharati University Shantiniketan	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs 1000/
40.			Design Thinking - A Primer	IIT Madras	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs 1000/
41.	Dr. Manju G Nair	Associate Professor, Architecture	Structural System In Architecture	IIT Kharagpur	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs 1000/
42.	Prof. Dinesh.C	Assistant Professor ,Architecture	Urban Governance And Development Management (UGDM)	IIT Roorkee	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs 1000/
43.			Urban Land use And Transportation Planning	IIT Khargpur	Online	From 14 <sup>th</sup> September 2020	8 weeks	Rs.1000/-

**BoG Decision : Approved**

Dr.P.Ravikumar, Joint Director, CDAC Thiruvananthapuram, made a suggestion that Technical writing is an important aspect in the engineering domain and faculty and students should be encouraged to attend programmes on Technical Writing. The Chairman added that some priority must be given to training programmes on Stress Management also.

**B1.2. STTP /Workshop to be conducted within the Institution**

Sl No.	Name of Coordinators	Designation & Dept.	Type	Topic	Date	Expected outcome of the programme	Amt (Rs.)
1.	Prof. Arun Varghese	Asst. Prof, ECE	STTP (Online)	Scientific Computing with Python	9 <sup>th</sup> -20 <sup>th</sup> November 2020 (Online mode evening 2.5 hrs. each)	Equip faculty to handle theory and lab courses which include experiments using Python	17000
2.	Dr. Raghunathan Rajesh, and Prof Antony J.K.,	Assoc.Prof. &Asst.Prof., ME	STTP (Online)	Ergonomics and Safety in Work System Design'	10 <sup>th</sup> -12 <sup>th</sup> December 2020	Increased awareness on ergonomic and safety design principles and Improved understanding of the methods used in ergonomics and safety.	28000
3.	Prof. Jomy Thomas	Asst. Prof CE	STTP (Online)	Statistical And Simulation Models In Transportation Engineering	23 <sup>th</sup> -27 <sup>th</sup> November 2020	To learn and achieve capability for developing mathematical, statistical and simulation models and to analyse traffic flow in different conditions To get hands on training in software package related to Traffic Simulation and Transportation Planning	43000
4.	Prof. Jomy Thomas	Asst. Prof, CE	STTP	Computer Aided Highway Designing	04 <sup>th</sup> -06 <sup>th</sup> March 2021	To become capable to design and evaluate roadways and corridors To get hands on training in software packages related to analysis and design of highways (MXRoads)	36000

**BoGDecision : Approved**

**B1.3. GATE Coaching to be conducted within the institution**

Sl.No	Dept.	Topic	Name of Coordinators	Details of Visiting Faculty	Prob. Date of Pgm	No of Days	Target	Amt (Rs.)
1	ECE	Crash GATE Coaching	Dr. UpamaRajan M.N. &Prof. Shinoj K Sukumaran Asst.Prof.	Mr. Manoj Kumar Sudarsan (BTech and MTech from NIT Calicut) and other trainers from Manifold Institute of Technical Education, Thrissur	2020 Nov.1st to 2021 January. 31st	12 Days	S7 and S5 Students	50000
2	Arch.	GATE Coaching	Prof. TessyVarkey Asst.Prof	Guest teachers from Department	Jan.2021	5 days	Final year students	20000
3	Arch.	CEED Coaching (Common Entrance Exam for Design )	Prof. TessyVarkey Asst.Prof	Renjith MR and Prof. Antony Ben (tentative)	Jan.2021	5 days	Final year students	20000

**BoGDecision : Approved**

## B2.Industry Institute Interaction Cell (III Cell)

### B2.1. Expert Lecture

#### Department of Electronics and Communication Engineering

Sl.No	Topic	Name of Coordinators	Details of Industry Experts	Prob Date of Pgm	No of Days	Target	Amt (Rs.)	Expected Outcome
1.	Practical Design concepts in FPGA Based Systems(Lecture by Industry Experts)	Prof. Riyas K S, Assoc. Professor in ECE	Dhanalakshmi R and Prigish Varghese Engineers, VVDN Kakkanad	12 <sup>th</sup> and 13 <sup>th</sup> November 2020	Two	Final year B. Tech and M. Tech students who are interested in the field of FPGA Based system design	6000	Students will be introduced to the Practical Design concepts of FPGA based systems in Industry
2.	Networking for the future	Prof. Arun Varghese, Asst. Professor in ECE	Reji, Sr Manager, Juniper Networks, Blore	Nov-Dec 2020	One	B. Tech and M.Tech student	7400	Students will be introduced to the trends in computer networks
3.	How microelectronics is shaping our future	Prof. Arun Varghese, Asst. Professor in ECE	Roshni RS, Sr Manager, System Validation Engineering, Infineon tech, Blore	Nov-Dec 2020	One	B. Tech and M.Tech student	7400	Students will be introduced to the trends in microelectronics industry
4.	Mobile communications – the business side	Prof. Arun Varghese, Asst. Professor in ECE	Mr. Joseph, Sr. Manager, Frendi mobile	Nov-Dec 2020	One	B. Tech and M.Tech student	7400	Students will be introduced to the opportunities and challenges in mobile communication industry

**BoG Decision : Approved**

### Department of Mechanical Engineering

Sl.No	Topic	Name of Coordinators	Details of Industry Experts	Prob Date of Pgm	No of Days	Target	Amt (Rs.)	Expected Outcome
1.	Fits ,Geometrical Dimension & Tolerance	Prof. Antony J K, Asst. Prof. in ME	Dr A Regunath Scientist at CMTI Bangalore	November 2020	Four	63 students of S3ME-B.Tech.	12000	To practice students with use of tolerances fits in mechanical components. Also to impart the importance of GD&T which is normally not covered in curriculum.
2.	CFD Theory and Practice using Ansys	Prof. Antony J K, Asst. Prof. in ME	DrAjith Kumar Formerly worked with HAL and Geometric Software Solutions (GSSL), Pune. Currently faculty at RajagiriEngg College	November 2020	Two	70 students of S7 ME B.Tech.	6000	To equip students with the knowledge in theory as well as practical sides of CFD analysis which will help them to do their projects in a better manner.
3.	Advanced surface Design and Sheet metal Design using CatiaV5	Prof. Antony J K, Asst. Prof. in ME	Bernard Raja Formerly worked with Axiscades in Aerospace industry for 20 years and currently with Focus path Bangalore.	December 2020	Four	60 students of S5 ME B.Tech.	12000	To equip students with the latest tools in surface design and sheet metal design which will help to better their design projects and improve their skill set to grab a career in design/production..

4.	Productivity improvement in manufacturing industries	Dr. R Rajesh, Assoc. Prof. ME and Prof. Swapnesh S, Asst.Prof. in ME	Anish K Varghese, Senior Executive, Industrial Engineering Department, MRF Kottayam	November 2020	One	36 students of M. Tech IEM first and second year	3000	To equip students with the knowledge on techniques for productivity improvement based on quality enhancement and lean manufacturing
5.	FMEA Practices in Automotive Industry	Prof. Antony J K, Asst. Prof. in ME	Arun Mohan Senior Engineer at Tata Motors ,Pune	November 2020	One	70 students of S7ME	3000	To familiarize students about FMEA practice in employed in Automotive domain.
6.	An avenue of Project Management Avenues in Indian Space Sector	Dr. R Rajesh, Assoc. Prof. ME and Prof. Swapnesh S, Asst. Prof. in ME	Sreehari M, Project Manager (Programme Management and Budget), Polar Satellite Launch Vehicle Project, VSSC, ISRO	November 2020	One	36 students of M. Tech IEM first and second year	3000	To equip students with Project Management methodology and techniques related to space sector
7.	Operational Excellence in industries	Dr. R Rajesh, Assoc. Prof. ME and Prof. Swapnesh S, Asst. Prof. in ME	RaghurajJayaprakash, Deputy Manager, Business Excellence Department, Terumo PenpolPvt Limited, Thiruvananthapuram	November 2020	One	36 students of M.Tech IEM first and second year	3000	To equip students with the knowledge on how to improve the performance of an industry by lowering risks, continuous improvement, improve performance and profitability.
8.	Role of Third Party Logistics in a Supply Chain	Dr. R Rajesh, Assoc. Prof. ME and Prof. Swapnesh S, Asst. Prof. in ME	SauravAdhikari, Global Solutions Designer, Global Solutions Design Center,DHL Supply Chain, Kanjurmarg, Mumbai	December 2020	One	36 students of M.Tech IEM first and second year and for interested students in the B.Tech final year	3000	It is expected that the students will understand the role, need applications and advantage of third-party logistics in supply chain management. Specifically how third

								party logistics can be used as a driver for cost savings, improving flexibility and scalability of operations
9.	CAD Customisation & CAA	Prof. Antony J K, Asst. Prof. in ME and Dr. R Rajesh, Assoc. Prof. ME	Srinivasan B, Director SmartPriya Technologies Pvt Ltd. 23 years of Experience in Tata Motors, Geometrics, Airbus etc.	Oct- Nov , 2020	3 days	40 students of S7 & S5 ME	9000	It is expected that the students will be exposed to the field of customization of CAD software, CAA. and gain experience in writing macros. Students can explore the opportunity this field of industry where expert people are less in number.

**BoG Decision : Approved**

#### Department of Computer Science & Engineering

Sl.No	Topic	Name of Coordinators	Details of Industry Experts	Prob Date of Pgm	No of Days	Target	Amt (Rs.)	Expected Outcome
1.	Block Chain and Crypto Currency	Prof. Shibukumar K B, Asst. Prof. CSE	Seena Ganesh, Head of Global Business Development and Client Solutions, Visa Developer Platform, Visa Inc. California, USA	November 2020	One	S5 CSE - B.Tech	3000	Block chain is an emerging technology in Cryptography. Students will be introduced to the concepts of Block Chain and Crypto-currency through this expert lecture.
2.	Building your brand	Prof. Shibukumar K B, Asst. Prof. CSE	Seena Ganesh, Head of Global Business	November 2020	One	S5 CSE - B.Tech	3000	Students will get the basics of brand building for their products using

			Development and Client Solutions, Visa Developer Platform, Visa Inc. California, USA					available technologies. This will be helpful for students who are into entrepreneurship
3.	Industry Requirements – Post Covid 19	Prof. Shibukumar K B, Asst. Prof. CSE	Sunil Viswanathan, Harman International Pvt. Ltd., Bengaluru	November 2020	One	S7 CSE - B.Tech	3000	Students get to know how software industry has changed after covid'19. It will be helpful for them to identify the skill set they have to attain to reach their career goals
4	Fundamentals of Fibre to Home Technology	Prof.Shibukumar K B, Asst. Prof. CSE	Irshad P K, JTO, BSNL, Malappuram	November 2020	One	S7 CSE - B.Tech	3000	To get an awareness about how fiber to home technology works in of communication networks.
5.	How Transmission Systems work in Telecommunication	Prof.Shibukumar K B, Asst. Prof. CSE	Shafeeq Ali M, Sub Divisional Engineer, BSNL, Malappuram	November 2020	One	S7 CSE - B.Tech	3000	To get an awareness about transmission technologies in various networks.

#### **BoG Decision : Approved**

The Chairman inquired about the provision for enhancing remuneration to the resource person Prof.Antony J.K , III Cell coordinator made a clarification regarding the selection of resource person and remuneration.

Dr. P. Ravikumar, Joint Director, CDAC Thiruvananthapuram enquired about the process of selection of experts for the training programmes organized by the III cell. Prof. Antony JK explained the process of selection of experts. Dr.P.Ravikumar suggested that an attempt should be made to sign broad level MoU's with the industry so that fruitful interactions will happen on a regular basis.



### B3.Proposal for Research Seed Money –Dr. VinishV.Nair, Professor in Civil Engineering

Dr. Vinish V .Nair, Professor in Civil Engineering Department has submitted a proposal for Seed Money titled “**STUDIES ON PERFORMANCE OF HYBRID GEOSYNTHETICS IN REINFORCED SLOPES**” at an estimated cost of Rs.1,00,000/-(Rupees One Lakh Only)

#### Budget Proposal

Sl No	Particulars	Amount (Rs)
1	Fabrication of model test set up (test tank, supporting steel frame, LVDT, rain simulator, load frame)	80,000/-
2	Fabrication and testing of hybrid geo synthetic specimens at CCRI	5,000/-
3	Man power requirement (sample collection, lab assistance, cleaning etc. during essential period)	15,000/-
	<b>TOTAL</b>	<b>1,00,000/-</b>

(Rupees One Lakh only)

Recommendations of R & D Committee :Recommended the proposal

#### BoG Decision : Approved

Regarding the research proposals, BoG expressed concern over the fact that there is only a single proposal for research seed money. Dr Praveen A. informed the BoG that only the research proposals that cannot be considered from other sources are considered under TEQIP. Dr.Vinda V Nair, Director SPFU pointed out that considering the faculty strength of RIT the number of proposals needs to go up. She inquired about the proposal submitted by Dr.Ajitha T and Prof.Sreekala which during the previous BoG meeting, CE Dept. Dr. Praveen A informed that the proposals were evaluated and it is found that funding support was mainly needed for installation and fabrication. The principal informed that the policy is that whenever government funding is available for a particular activity we are trying to use it first. The Chairman recommended that proper fund utilization should be given top priority. Dr. Praveen informed the BoG that the proposal is still on and discussions are happening for a MoU with IIT Palakkad in this regard. The Chairman recommended that the institution need to make decisions within a month on the research proposals submitted by the faculty.

#### **B4.Equipment Maintenance/ Replacement-Purchased under TEQIP II**

**B4.1** .The Maintenance/Equipment Replacement Committee was recommended the following proposals which are received from various departments. So kindly grant the permission for the same.

<b>Sl.No.</b>	<b>Dept.</b>	<b>Name of the Equipment</b>	<b>Package No.</b>	<b>Requirement</b>	<b>Amount (Rs.)</b>	<b>Remarks of Maintenance/Equipment Replacement Committee</b>
1.	EEE	Digital Language Lab Software	TEQIP-II/KL/KL1G04/86	Up gradation	531000	Recommended
2.	EEE	BLDC Drive(Universal Drive that can be used for various electrical drives & renewable energy application ) (WAVECT)	TEQIP-II/KL/KL1G04/47	Up gradation	1400000	Recommended
3.	ECE	HFSS	TEQIP-II/KL/KL1G04/6	Renewal	580000	Recommended
4.	CSE	MFD Duplex copier	TEQIP-II/KL/KL1G04/36	Replacement/ Buy Back	58000-10000(scrap value)=48000	Recommended

**BoG Decision : Approved**

## Department of Mechanical Engineering

**B4.2.3.**Mr.Mufeed V.E, Instructor Grade -1, Mechanical Department has submitted a proposal for the maintenance of Surface Grinding Machine and Tool Makers Microscope (**TEQIP-II/KL/KL1G04/55**) in Mechanical Workshop .M/s Nanthika Metal Industries , Pathamuttom, Kottayam had inspected the equipment and given a detailed estimate for its repair and correction of faults as follows:-

Sl.No	Name of Machine	Faults	Remedies	Amount (Rs.)	Total (Rs.)
1.	Surface Grinding Machine	Coolant system not working	Replacement of Coolant pump	11,000/-	38,500/-
		Grinding wheel misalignment and wheel chatter	Grinding wheel holder assembly alignment checking and wheel balancing , chuck magnet charging	13,000/-	
		Loose table feed mechanism	Table hand feed mechanism checking ,cleaning , adjusting, scraping of table slot and dace of table and full overhauling	14,500/-	
2.	Tool Makers Microscope	Fault on light source	Replace the light source Cleaning all parts of the microscope	2,500/-	2,500/-
	<b>Total</b>				<b>Rs.41,000/-</b>

**BoG Decision : Approved**

#### **B4.2.4.Proposal for up-gradation of Existing Catiav5 - Department of Mechanical Engineering**

RIT Mechanical department procured 12 licenses of Catiav5 in 2012 under TEQIP. Currently the industry is migrating to the same OEM's product -3D experience. The department has altogether 22 licenses of Catia out of which 12 of them are procured under TEQIP. It would be economical and beneficial to the academic community to go for upgrading of existing versions into the higher versions rather than going for fresh purchase. The latest version of the software is cloud based software which is the latest development in this domain. The details of the proposed upgradation are given below.

<b>Old Product Description</b>	<b>Existing No of licenses</b>	<b>Year in which bought</b>	<b>Package No</b>	<b>Price</b>	<b>Proposed upgrading Product description</b>	<b>No of licenses</b>	<b>Price</b>	<b>Reason</b>
Catia V5	12	2012	TEQIP-II/KL/KLGO4/11	5.4 Lakhs	3D EXPERIENCE Collaborative Business & Industry Innovator for Academia SMALL & Essentials	30	3,36,043	Industry is migrating into 3D experience platform and moreover it is cloud based

**BoG Decision : Approved**

## Department of Computer Science & Engineering

**B4.2.5.**Dr.Sobhana N.V ,HoD, CSE has submitted the following proposals for replacement /maintenance of equipment purchased under TEQIP II

1.

Sl.No.	Items required	Package No.	Qty	Approx.Price (Rs.)	Total Amount (Rs.)
1.	SMPS for Dell Optiplex	TEQIP-II/KL/KLGO4/125	6 Nos.	5000	30000
2.	Mother Board for Dell Optiplex		4 Nos.	6000	24000
3.	USB Key Board		25 Nos.	500	12500
4.	Optical Mouse		25 Nos.	400	10000
5.	Service Charge for Dell Optiplex		6 Nos.	1000	6000
	<b>Total</b>				<b>82500</b>

.2.

Sl.No.	Items required	Package No.	Qty	Approx. Price (Rs.)	Total Amount (Rs.)
1	Batteries for HCL ME Laptops	TEQIP-II/KL/KLGO4 /33	15 Nos.	3600	54000
2.	Keypads for HCL ME Laptops		10 Nos.	3000	30000
3.	Maintenance Charge		10 Nos.	500	5000
	<b>Total</b>				<b>89000</b>

3.

Sl.No.	Items required	Package No.	Qty	Approx.Price (Rs.)	Total Amount (Rs.)
1.	Toner –Printer –Brother DCL2520D	TEQIP-II/KL/KLGO4/157/3	2 Nos.	5000	10000
2.	Toner –Printer –Samsung ML/2951NDR	TEQIP-II/KL/KLGO4/36	3 Nos.	5000	15000
	<b>Total</b>				<b>25000</b>

### BoG Decision : Approved

Regarding the proposal for up-gradation of laptops, Chairman expressed concern over the fact that the laptops are over 8 years old. Mr.Swapnesh S. informed the BoG that as per the rules of TEQIP in this phase there is no provision for the purchase of new items.

**B5. Ratification of programmes approved by Chairman****B5.1.Ratification of various academic activities permitted by the Chairman**

Sl No	Name of faculty	Designation & Dept.	Topic	Institution	Date	Outcome of the programme	Amt (Rs.)/ Remarks
1.	Dr. Jalaja M.J	Principal	7days Working Conference on 'Authority, Organisation, Strategies and Politics of Relatedness" (AOSPOR)	IIM Ahmedabad Hotel Clarks Amer,Jaipur	The course was Cancelled due to COVID 19 pandemic situation ( Working Conference AOSPOR that was scheduled for April 23 to 29, 2020 at Clarks Amer, Jaipur.) They informed that the fee remitted may be retained for the future programme.		2,30,100/- ( Regn.fee )
2.	Dr. Jalaja M.J	Principal	3 days Management Development Programme on 'Timeless Leadership : Invincible Wisdom in the Age of Artificial Intelligence'	IIM Kozhikode	January 10-12, 2020	Managerial Development	76700/- ( Regn.fee )
3..	Dr. Dhanya B.S	Asst.Prof. CE	SPARC workshop on Sustainability and durability of concrete structures with by-products and recycled materials	IIT Madras	17 <sup>th</sup> to 18 <sup>th</sup> January 2020	The programme was extremely useful to a young researcher working in the area of concrete technology. It gave more insight into the research activities happening elsewhere in the world as well in premier academic institutions in India like the IITs. The programme helped in networking also which in turn can help to bring in more quality research into RIT	6040

4..	Dr. George Joseph	Assoc.Prof. PE	Paper entitled “An overview of Post-Activation Potentiation – The effect of Complex Training Modalities On Vertical Jump Performance of Women Volleyball Players	International Conference on Psychology in the Contemporary Sports, Health and Fitness Perspective – ICPSHFP 2019 at Punjabi University Patiala , Punjab	28 <sup>th</sup> to 30 <sup>th</sup> November 2019	Could gain some insights into how to mould men as well as women volleyball players	23571
5.	Dr. Mini Koshy	Asst. Prof. CE	Advanced Course on Limit State Design of Steel Structures as per Indian Code ( LSDSS '20)	NITTTR Kolkata	12 <sup>th</sup> to 14 <sup>th</sup> Feb.2020	The course was open to practicing engineers, researchers, academicians, decision makers etc. Different sessions were scheduled properly blending lectures and lab visits. The lectures were interactive in nature and the participants could present and discuss various case studies and practical problems.	Rs.20,500/-
6.	Dr. Abhilash T. Vijayan	Asst. Prof. EEE	Paper Presentation in IEEE International Conference on Signal Processing & Integrated Networks (SPIN 2020)	Amity University, Noida ,Delhi	27 <sup>th</sup> & 28 <sup>th</sup> Feb.2020	Interacted with other research fellows and eminent professors that helped me to improve my research activities in our institution	Rs.56,000/-

7..	Prof. Ramesh Krishnan	Asst. Prof. ME	Advances in Bio-Engineering	Organized by Kerala Technological University (KTU) at Toc H Institute of Science & Technology, Ernakulam	6 <sup>th</sup> to 9 <sup>th</sup> January 2020	Application of processors & equipment in the field in the area of Bio- Engineering particularly for human beings	2240
8.	Prof. Arun Varghese	Asso. Prof. ECE	Paper Presentation in National Conference of Communication (NCC 2020) –Paper Titled –A robust , low complexity algorithm for real-time vehicle counting system for automated traffic surveillance	IIT Kharagpur	21-23 Feb.2020	From the queries of the attendees, I could gain some insights into how to proceed further in my research. In addition, I could interact with a large number of fellow researchers, faculty members and industry experts from around the world which helped me to know about different research problems in the field of communication and signal processing in which other people are working on.	Rs.27226/-
9.	Dr. Biju Augustine P,	Professor ME	“Ergonomics in Design and Engineering Education	IIT Guwahati	7 <sup>th</sup> to 11 <sup>th</sup> January 2020	Apart from exposure to latest techniques in Ergonomics, and increasing our awareness on ergonomic applications, we were exposed to few non-traditional ergonomic areas such as architecture, apparel design, design methods and animations. Getting exposed to latest ergonomic instruments and lab facilities were an eye opener	35150
10	Dr. Raghunathan Rajesh ,	Assoc. Prof. ME					35760



11	Prof. Tomsy Paul	Asst. Prof MCA	Paper Presentation in international Conference on Computational Sciences- Modelling, Computing and Soft Computing (CSMCS 2020)	NIT Calicut	26-29 March 2020		Postponed
12	Dr. Prince A	Professor EEE	LVRT capability evaluation of DFIG based wind energy conversion system under type-A and type-C grid voltage sags	IEEE International Conference on “ Power Electronics, Smart Grid and Renewable Energy (PESGRE 2020) held at Kochi	2 <sup>nd</sup> to 4 <sup>th</sup> January 2020	Presented papers is considered for the publication in IEEE transaction on industry application.	12575

Dr. Jalaja M.J.Principal pointed out that the training programme approved for her in the 24th meeting of the BoG has been rescheduled. BoG decided that the approval is still there.

**BoG Decision :Ratified.**

**B5.2.Ratification for workshop conducted for faculty and staff/ students within the institution**

Sl. No.	Name of Coordinators	Designation & Dept.	Topic	Target	No.of days	Date	Amt. (Rs.)	Outcome attained
1.	Dr. Abhilash T.Vijayan	Asst. Prof. EEE	Workshop on Smart phone Controlled Robotics	S8 B.Tech Students	2 days	8 <sup>th</sup> to 9 <sup>th</sup> Feb.2020	Rs.35000/-	Exposure to real time system
2.	Prof. Geeva George	Asst.Prof. CE	Career paths ahead	S7 & S8 CE students	1 day	18 <sup>th</sup> Feb.2020	Rs.10783/-	The workshop gave awareness about the various examination and certification courses in their area of interest and how this can be used to value addition. Overall the programme helped the students to have better understanding of the opportunities that are awaiting them once they graduate.
3	Dr. Prince A.	Prof. EEE	Electrical Harness Routing using Catia V5	S8 EEE & S8 ME students	3 days	13 <sup>th</sup> to 15 <sup>th</sup> Feb.2020	Rs.24410/-	The workshop helped the students to be exposed to the possibilities of careers in electrical
	Prof. Antony J.K	Asst.Prof. ME						
4	Prof. Peter K. Abraham	Asst.Prof. EEE	MATLAB based on Code Generation for TI Microcontrollers	M.Tech& S8 B.Tech EEE students	1 day	29 <sup>th</sup> Feb.2020	Rs.5,094/-	Students got knowledge on TI Microcontrollers
5	Dr. Bindhu B.K	Assoc.Prof. CE	Traffic Safety and Control Accident	M.Tech CE Students	3 days	3 <sup>rd</sup> to 5 <sup>th</sup> March 2020	Rs.50,000/-	Course Conducted by online mode

6	Mrs. Bindhu G	Scientific Information Officer, (Library )	Workshop on Trends in Academic Communication	PG Students	1 day	24 <sup>th</sup> Feb.2020	Rs.5900/-	Equipped the students with academic information sources
7.	Prof. John C.John,	Assoc.Prof MCA Department	two day workshop on “Technical and Soft skill Development – Phase 1”	MCA Students	2 days	13-14, February 2020	Rs.27340/-	The students Improved their confidence and communication skills and got an opportunity to prepare themselves for the upcoming placement drives and introduced the different stages of placement activities to be followed nowadays

**BoG Decision :Ratified.**

### **B5.3.Ratification of Equipment Maintenance/ Replacement-Purchased under TEQIP II**

The following proposals which are received from various departments and approved by the Maintenance/Equipment Replacement Committee

SL.No.	Dept.	Name of the Equipment	Package No.	Requirement	Amount (Rs.)
1.	Computer Science &Engg.	Printer	TEQIP-II/KL/KL1G04/157/3	Maintenance	3900
2.	Mechanical	Laptop	TEQIP-II/KL/KL1G04/156/1	Replacement(Laptop battery replaced )	4990
3.	TEQIP	Laptop	TEQIP-II/KL/KL1G04/156/5, TEQIP-II/KL/KL1G04/156/9, TEQIP-II/KL/KL1G04/156/12	Replacement(Laptop battery replaced )	8700

**BoG Decision: Ratified.**

#### **B5.4.Ratification of Student Participation in Competitions**

Prof. AntonyJ.K , Assistant Professor in Mechanical Engineering Department has submitted the following bills and vouchers of student project competition .  
The bills included registration fee , TA and material transportation charges

<b>Sl.No.</b>	<b>Name of the competition</b>	<b>Organizing Institute</b>	<b>No.of students participated</b>	<b>Period</b>	<b>Regn fee (Rs.)</b>	<b>TA (Rs.)</b>	<b>Transportation (Rs.)</b>	<b>Total (Rs.)</b>	<b>Outcome</b>
1.	SAEISS Tractor Design Competition- 2019	SRM Institute of Engineering and Technology Chennai	25	22 <sup>nd</sup> to 24 <sup>th</sup> August 2019	35400	13040	-	48440	III Prize for best design in India
2.	Aero Design Challenge 2019	SRM Institute of Engineering and Technology Chennai	6	19 <sup>th</sup> and 20 <sup>th</sup> August 2019	23600	4890	-	28490	16 <sup>th</sup> position in India and 1st position in Kerala
3.	SAE Efficycle 2019.	Lovely Punjab University (LPU), Punjab	12	1 <sup>st</sup> to 5 <sup>th</sup> October 2019	27000	24540	36225	87765	46 <sup>th</sup> position cleared up to technical test

The EAP committee recommended the above bills as per the guidelines .

BoG congratulated students and faculty for the attainment in SAE competition.

**BoG Decision :Ratified**

## **Part C- Reports**

### **C1 Faculty Position**

The HoD, CSE , Dr. Sobhana N .V said that Computer Science Department has faculty members only for managing UG programmes .The department for a new PG programme ‘Computer & Information Sciences’ . The BoG made a note of the faculty status and recommended that appeal on these matters should be sent to higher authorities.

### **C2 Result Analysis**

Dr. P.Ravikumar, Joint Director, CDAC Thiruvananthapuram recommended that proper statistical analysis need to be carried out and based on that remedial measures need to be taken for the improvement of the results. BOG recommended that every department has to come up with proper result analysis and corrective actions.

### **C3 Faculty/Student Contributions.**

Regarding the placement, figures data on the percentage of eligible students placed and the average salary package needs to be presented.

BoG congratulated all the faculty and students who have published their research work. BoG also appreciated the principal, faculty and students for initiating socially relevant projects.

Chairman enquired about the status of funded projects and recommended that it should also be reported in the BoG meetings. Principal and Dean research updated the BoG regarding the current status of funded projects.

#### C4 Status of fund position

##### Status of fund position up to September 2020

Sl. No.	Name of Account	Initial Amount (Rs.)	Amount Spent (Rs.)	Balance Amount (Rs.)
1	Corpus Fund	44,67,270 (44,53,703+13,567)	2621721	1845549
2	Faculty Development Fund	51,15,898	1425386	3690512
3	Equipment Replacement Fund	43,50,698	22660	4328038
4	Maintenance Fund	45,06,341	3900	4502441
	<b>TOTAL</b>	<b>1,84,40,207</b>	<b>4073667</b>	<b>14366540</b>

Chairman remarked that concrete action plan needs to be evolved so that the remaining funds are utilized properly. TEQIP coordinator and the nodal officers may meet every much and review the progress and take appropriate measures. There is a need to make a proper strategic plan document. There are some good strategic plan documents by institutions like Manipal Institute of Technology (MIT) and Kalinga Institute (KITS) which can be used as reference documents.

Dr.Vrinda V. Nair, Director, SPFU made the following remarks this connection.

- For NBA and NIRF ranking preparation, there might be some areas where the institution is actually lacking and if we can consolidate the requirement of the entire institution and then modify or orient it so that it can be fit in the heads of expenditure permitted under TEQIP.
- It is observed from the minutes and the agenda of the previous meeting that only a fraction of faculty and staff are involved in the TEQIP activities. HoD's may take steps to ensure that the reluctant faculty members are also encouraged to join the activities.

## **Part D**

### **Any other item with the permission of the Chair**

TEQIP coordinator informed that the proposals which are received late are included in the Part-D.

#### **D1.Reimbursement of Expenditure**

##### **D1.1. Reimbursement of Membership fee**

**D1.1.1.**Dr. Prince A, Professor, in Electrical Engineering Department has submitted a proposal for reimbursement of IEEE Membership fee of Rs.3519/-(Rupees Three Thousand Five Hundred and Nineteen Only) 50% of Rs.7038/-

**D1.1.2.** Dr. Vincent G, Assoc. Prof. in Electrical Engineering Department has submitted a proposal for reimbursement of IEEE Membership fee of Rs.3291/-(Rupees Three Thousand Two Hundred and Ninety One Only) 50% of Rs.6582/-

**D1.1.3.** (a) Dr. RenuJose ,Asst.Prof. Electronics & Communication Engineering Department has submitted a proposal for reimbursement of IEEE Membership fee of Rs.1,770/-(Rupees One Thousand Seven Hundred and Seventy Only) 50% of Rs.3540/-

(b) Dr. Renu Jose , Asst.Prof. Electronics & Communication Engineering Department has submitted a proposal for reimbursement of IEEE Membership fee of Rs.2,935/-(Rupees Two Thousand Nine Hundred and Thirty Five Only) 50% of Rs.5870/-

**D1.1.4.**Prof. Michael George.Asst. Prof. Electronics & Communication Engineering Department has submitted a proposal for reimbursement of IEEE Membership fee of Rs.930/-(Rupees Nine Hundred and Thirty Only) 50% of Rs.1860/-

**D1.1.5.**Dr. Manju Manuel,.Assoc. Prof. Electronics & Communication Engineering Department has submitted a proposal for reimbursement of IEEE Membership fee of Rs.1573/-(Rupees One Thousand Five Hundred and Seventy Three Only) 50% of Rs.3145/-

**D1.1.6.**Dr. Binumol Tom, Professor in Architecture has submitted a proposal for reimbursement of ICOMOS (International Council on Monuments and Sites ) Membership fee of Rs.2,538/- (Rupees Two Thousand Five Hundred and Thirty Eight Only) 50% of Rs.5076/-

**D1.1.7.**Prof. Geeva George, Asst.Prof. Civil Engineering Department has submitted a proposal for reimbursement Non-e-Life Membership fee of Rs.5,000/- (Rupees Five Thousand Only) Indian Road Congress 50% of Rs.15000/-= Rs.7500/- (Rs.5,000/-(Rupees Five Thousand Only) only allowable)

#### **BoG Decision : Approved**

**D1.2. Reimbursement of Registration fee/ TA/DA Bill for attending STTP**

Sl. No.	Name of faculty	Designation & Dept.	Topic	Institution	Date	Amt (Rs.)
1..	Mr. Ramesh Krishnan S	Asst. Prof. ME	Three day FDP on Student Induction Program for AICTE Approved Institutions	Mangalam College of Engg. Kottayam	27 <sup>th</sup> -29 <sup>th</sup> November 2019	Rs.1360/-
2.	Ms. Tessy Varkey	Asst.Prof. Architecture	GSDIx-The Architectural Imagination	Harvardx –Online Initiative of the Harvard University	26 <sup>th</sup> May 2020	Rs.6374/-
			Evidence Based Teaching and Learning Strategies in Higher Education	CREATES,IISER Bhopal	20 <sup>th</sup> -22 <sup>nd</sup> July 2020	Rs.500/-
3.	Dr. Sobhana N.V	Prof. CSE	Evidence Based Teaching and Learning Strategies in Higher Education	CREATES,IISER Bhopal	20 <sup>th</sup> -22 <sup>nd</sup> July 2020	Rs.500/-
4.	Dr. Sobhana N.V	Prof. CSE	Emerging AI Techniques in Data Analytics	CUSAT	12 <sup>th</sup> -16 <sup>th</sup> September 2020	Rs.300/-
5.	Prof. Ramesh Krishnan S	Asst. Prof. ME	Assessment and Evaluation in Higher Education	CREATES, IISER Bhopal National online FDP	27th August to 4th September 2020	Rs.800/-
6.	Prof. Deepa Rani R	Assoc. Prof. Architecture	Natural Ventilation in Built Environment	The Energy and Research Institute (TERI ) Bangalore	7 <sup>th</sup> - 10th October 2020	Rs.4000/-

**BoG Decision : Approved**



### D1.3. Reimbursement of Registration fee for online courses

Sl.No.	Name of faculty	Designation & Dept.	Topic	Institution	Type	Date	Weeks	Amt (Rs.)
1.	Prof. Michael George	Asst.Prof. ECE	Deep Learning - Part 1	IIT Ropar	Online	Jan to April, 2020	12	Rs 600/-
2.	Prof. Michael George	Asst.Prof. ECE	Practical machine learning with Tensor flow	IIT Madras	Online	Jan to March, 2020	8	Rs 600/-
3.	Prof. Michael George	Asst.Prof. ECE	Real Time Operating System	IIT Kharagpur	Online	Feb to March, 2020	4	Rs 600/-
4.	Prof. Michael George	Asst.Prof. ECE	AICTE - NITTTR - Module 1 - Orientation Towards Technical Education and Curriculum Aspects	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
5.	Prof. Michael George	Asst.Prof. ECE	AICTE - NITTTR - Module 2 Professional Ethics & Sustainability	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
6.	Prof. Michael George	Asst.Prof. ECE	AICTE - NITTTR - Module 3 - Communication Skills, Modes & Knowledge Dissemination	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
7.	Prof. Michael George	Asst.Prof. ECE	AICTE - NITTTR - Module 4 Instructional Planning and Delivery	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-

8.	Prof. Michael George	Asst.Prof. ECE	AICTE - NITTTR - Module 5 - Technology Enabled Learning & Life Long Self Learning	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
9.	Prof. Michael George	Asst.Prof. ECE	AICTE - NITTTR - Module 8- Institutional Management & Administrative Procedures	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
10	Dr. Helen Mary M C	Asst.Prof. ECE	AICTE - NITTTR - Module 1 - Orientation Towards Technical Education and Curriculum Aspects	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
11	Dr. Helen Mary M C	Asst. Prof. ECE	AICTE - NITTTR - Module 2 Professional Ethics & Sustainability	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
12	Dr. Helen Mary M. C	Asst. Prof. ECE	AICTE - NITTTR - Module 3 - Communication Skills, Modes & Knowledge Dissemination	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
13	Dr. Helen Mary M. C	Asst. Prof. ECE	AICTE - NITTTR - Module 4 Instructional Planning and Delivery	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
14	Dr. Helen Mary M. C	Asst. Prof. ECE	AICTE - NITTTR- Module 5 - Technology Enabled Learning & Life Long Self Learning	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
15	Dr. Helen Mary M .C	Asst. Prof. ECE	AICTE - NITTTR - Module 7 - Creative Problem Solving , Innovation and Meaningful R & D	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-
16	Dr. Helen Mary M. C	Asst. Prof. ECE	AICTE - NITTTR- Module 8 - Institutional Management & Administrative Procedures	AICTE - NITTTR	Online	April to May, 2020	8	Rs 1000/-

**BoG Decision : Approved**

**D1.4. The following faculty members of this institution had attended a technical visit to Centre of Excellence at CET and GEC Barton hill , Thiruvananthapuram during 6th and 7th January 2020 –**

1. Dr.Ciby Thomas , Professor & HoD , Department of Mechanical Engineering (TA/DA-Rs.1520/-)
2. Dr.Sunil Kumar P.R , Associate Professor in Department of Electrical Engineering (TA/DA-Rs.2562/-)
3. Prof..Geeva George , Assistant Professor in Department of Civil Engineering (TA/DA-Rs.1970/-)
4. Prof.TessyVarkey , Assistant Professor in Department of Architecture (TA/DA-Rs.1970/-)
5. Dr.Manju Manuel , Associate Professor, Department of Electronics and Communication Engineering (TA/DA-Rs.1520/-)

**BoG Decision : Approved for the reimbursement of TA/DA**

**D1.5. Reimbursement of remuneration to resource person for a webinar on "Digital options for enhanced learning in civil engineering projects under the COVID scenario "**

Sl.No.	Name of Coordinator	Designation &Dept.	Topic	Target	Type	Date	Amt (Rs.)	Outcome
1.	Dr.Praveen A	Prof.in CE	Digital options for enhanced learning in civil engineering projects under the COVID scenario	Entire students and the faculty of the state	Webinar	21-22 August 2020	12000	Students and faculty members acquired the ability to apply the engineering principles for different design scenarios with the help of advanced computational tools.

**BoG Decision : Approved**

#### D1.6. Reimbursement of Registration fee for Paper Presentation by students

Sl No.	Name of Student	Sem. & Dept.	Name of the Conference	Topic	Institution	Type	Date	Amt (Rs.)
1.	Thasnimol V.S	AECE, S4	CIS 2020 (World conference “Congress on Intelligent System “)	A Hardware Accelerator Implementation of Multilayer Perceptron	Soft Computing Research Society, New Delhi, India	Online	September 04-06, 2020	Reg.Fee- Rs.4000
2.	Sruti Susan Shaji	AECE, S4	IEEE International Conference On Smart Electronics And Communication(ICOS EC) 2020	Unsupervised Segmentation Of Images Using CNN	Kongunadu College Of Engineering And Technology, Trichy, India	Online	September 10-12, 2020	Reg.Fee- Rs.7000
3.	Geethu Chandran	AECE, S4	International Conference on Power electronics and Renewable energy Applications (PEREA 2020), Technical co-sponsored by IEEE	VLSI Implementation of Image Encryption and Decryption Using Reversible Logic Gates	Government College of Engineering, Kannur	Online	November 27-28, 2020	Reg.Fee- Rs.5000
4.	Saina Ancy Simon	AECE, S4	International Conference on Power electronics and Renewable energy Applications (PEREA 2020), Technical co-sponsored by IEEE	Implementation of Carry Save Adder Using Novel Eighteen Transistor Hybrid Full Adder	Government College of Engineering, Kannur	Online	November 27-28, 2020	Reg.Fee- Rs.5000

**BoG Decision : Approved**

### **D1.7..Reimbursement of Equipment Maintenance/ Replacement-Purchased under TEQIP II**

1.Mr.Sigimon P.M , Trade Instructor , ECE Department , has submitted a proposal for the reimbursement for the purchase of cartridge (2 Nos.) (Package No.TEQIP – II /KL/KL1G04/157/6 ) from M/s Popular Computers , Kottayam, Invoice No. BIS5977 dt.27/02/2020 for an amount of **Rs. 7200/-**

**BoG Decision : Approved**

### **D2 Other items**

#### **D 2.1.Proposal for GATE crash course programme for B. Tech ME students**

A GATE crash course programme is proposed to be conducted online/offline (*depending on the situation*) for 40 hours during the month of Jan 2021 for the current S8 Mechanical B.Tech students 30 (Nos) as part of TEQIP Phase –II. The programme aims at preparing students for the coming gate exam in the second week of February 2021.The details of the programme and financial expenditure are listed below. A token amount of **Rs. 300** per student is planned to be collected from the students.

**Co-coordinator:** Prof. Antony J.K.Asst. Professor in Mech.Engg.

#### **Gate crash programme: Schedule**

Date	Topics	No of hours	Faculty
Day 1	EnggMaths	5	Retired Teachers, Internal faculty and teachers from other colleges
Day 2	MMSc	3	
Day 3	Thermodynamics	4	
Day 4	Heat and Mass Transfer	3	
Day 5	Strength of Materials	3	
Day 6	Fluid Mechanics	3	
Day 7	Production Engg	3	
Day 8	Production Engg	3	
Day 9	MoM&DoM	3	
Day 10	Industrial Engg	4	

Day 11	Machine Design	3	
Day 12	Operation Research	3	

### Gate crash programme: Budget

Expense Type	Approximate Expense in Rupees	Remarks
Remuneration,	24000	Rs 600 per hour Total = 40x600= 24000
Refreshment	7200*	*Rs 20 per student per day
Stationary	3000*	
Miscellaneous	3000*	
<b>Total Expected Expenditure</b>	<b>37200</b>	Rupees Thirty seven thousand two hundred only

\*This amount will be incurred only if the programme is done offline

Fee proposed to be collected from students = 9000 (300 per student)

**Fund sought from TEQIP = Rs 37200-9000 = Rs28,200(Rupees Twenty eight thousand two hundred only)**

**BoG Decision : Approved**

### D2. 2.Proposal for maintenance and replacement of parts of existing i7 systems

RIT ME department has procured twenty i7 systems in 2013 under TEQIP. These systems are now used to run CatiaV5 and Ansys. They have been in extensive use by B tech students as part of their curriculum and for carrying out their projects also. Moreover, they are used by various student groups for participating in competitions organized by SAE, IEEE etc. Because of continuous usage and of age, many of the components have become faulty and needs to be repaired. The details of the proposal for maintenance and replacement of items are given below.

Old Product Description	Existing No of units	Year in which bought	Packa ge No	Price	Proposed maintenance and replacement	No of units for maintena nce/repla cement	Price	Reason
i7 systems of third generation with 8GB RAM and no Graphics card	20	2013	KL1G 04/2	10.3 Lakhs	18 inch LED monitor	5	40,000	5 monitors are not working and repaired many times. Hence replacement is better
					USB keyboard	4	3200	Continuous use made most of the keyboards unworthy of use. Hence replacement is better
					USB mouse	20	6400	Continuous use made most of the mouses defective
Total							49,600	Rupees Forty nine thousand six hundred only

**BoG Decision : Approved**

**D 2.3.**Department of ECE has submitted a proposal for purchase of Tablet Computers for the economically weaker B.Tech students to support their learning under this COVID scenario.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION				
S3 ECE				
Sl.No	Class	Roll No	Name	Annual Income(Rs)
1	S3 ECE	15	AmruthaSaji	48000
2	S3 ECE	41	Jyothika T.V	32000
3	S3 ECE	47	Naveen S	60000
4	S3 ECE	55	Steffi Johnson	60000
5	S5ECE	65	Saranya R. S.	33000

The BoG inquired whether such activity is permissible under the TEQIP head. Dr A Praveen and principal informed that this is initiated to ensure equity to students. When the TEQIP policies were formulated the situation was different. Now the teaching-learning process is happening completely in the online mode. The procured tablets are given to students only on need basis and it will be collected back and re-circulated. BoG recommended that a request need to be sent to SPFU for approval and based on the reply from SPFU further course of action in this connection can be decided. Dr.Ravikumar, member BoG suggested that the proposal need to be rephrased indicating that an institutional facility is created for proper online delivery for needy students rather than showing it as a procurement activity.

Dr. Vincent G., the Academic Committee Coordinator thanked the Chairman and all members of the BoG for their presence in the 25th BoG Meeting. Meeting came to close at 1:45 PM