

**Minutes of the 22<sup>nd</sup> meeting of the Board of Governors held on 22<sup>nd</sup>  
December 2016 at College of Engineering Kidangoor**

**Members Present**

1. Dr. P. Venkitanarayanan, Chairman
2. Dr. R. Sasikumar, Director, CAPE
3. Dr. K.G. Viswanadhan, Member Secretary
4. Dr. S. Anilkumar, Public Relations Director, CUSAT
5. Sri. N.J. Mathew, Director, Esbesons Engineering. Pvt. Ltd.
6. Sri. J. Vijaya Mohanan, Additional. Secretary, Finance
7. Sri. A. Mohanakrishnan, GM, RUBCO
8. Sri. Harilal K.G., Retd. Prof., NSS College, Palakkad
9. Dr. Rini Jones S.B., HoD Electronics & Communication Engineering
10. Smt. Indhu P. Nair, HoD Electrical &Electronics Engineering

**Also Present**

1. Mr.Vivek Raju, TEQIP Coordinator
2. Ms.Jisha Balakrishnan, TEQIP Coordinator
3. Mr.Saji Justus, Procurement Nodal Officer
4. Mr.Sunish Kurian, Finance Nodal Officer
5. Ms.Gitty Rose Eugine, III Nodal Officer
6. Ms.Sreelakshmi S., Academic Nodal Officer
7. Mr.Joby James, Finishing School Nodal Officer
8. Ms.Shandy K.K., for HoD CS
9. Mr.Mohammed Nizar B.K., for HoD IT
10. Mr.Anith Krishnan, Placement Cell Coordinator

**Minutes**

The meeting started at 10.20 am. The Principal, Dr. K. G. Viswanadhan welcomed all the members to the 22<sup>nd</sup> BoG meeting. He briefed the activities for

**Resolution:** BoG asked reason for delaying minutes. CAPE Director directed that the Minutes of 22<sup>nd</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 22.12.2016 should be circulated within 2 weeks after BoG, including approval from the students, faculty and staff since the last BoG. He mentioned that ₹197 lakh was spent during the period and the remaining fund is also obtained. The forthcoming activities for the remaining fund are to be discussed in this BoG.

The Chairman while addressing the gathering informed the members that Chairman & Principal had attended a workshop on Good Governance at Delhi. He mentioned that 70 colleges had participated in the workshop and out of which five colleges were from Kerala. Salient points mentioned in the workshop are as follows:

- Colleges from Kerala follow well established procurement procedures
- The minutes of some colleges had only routine items mentioned.
- In some cases BoG members could spend at 4-5 hours per week for the college.
- BoG should publish annual report.

#### **22.BoG.A1. Confirmation of the Minutes of the 21<sup>st</sup> Meeting of the Board of Governors held on 19.08.2016 at CEK Kidangoor**

The Minutes of the 22<sup>nd</sup> meeting of Board of Governors of TEQIP Phase II on 19.08.2016 at College of Engineering Kidangoor was sent to the Chairman and all other committee members, changes incorporated and finalized the minutes. A copy of the minutes is also circulated along with this agenda notes.

**Decision Sought:** BoG may consider the minutes for confirmation.

**Resolution:** BoG asked reason for delaying minutes. CAPE Director directed that no to make any delay in future. The board instructed that the minutes should be circulated within 2 weeks after BoG, including approval from the Chairman. The board confirmed the minutes of 21<sup>st</sup> BoG.

#### **22.BoG.A2. Action Taken Report**

The decisions taken by the Board as recorded in the Minutes of the 20<sup>th</sup> and 21<sup>st</sup> Meeting of the Board of Governors of TEQIP Phase II held on 15.07.2016 and 19.08.2016 respectively have been noted and actions have been initiated. A report on the action taken and actions pending is presented below.

  
Dr. K.G. Viswanadhan,  
Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman

No.	Resolution					Action Taken
20. BoG B1.1 .1	Sanction was sought to attend the following outstation training programs for faculty.					
Sl. No	Name	Topic	Institution	Date	Amt	
1	Saji Justus	Fuzzy Interpolative Controller and Applications	NIT, Silchar, Assam	19/09/16 – 26/09/16	41807	Attended
2	Vishnu Mohan	Fuzzy Interpolative Controller and Applications	NIT, Silchar, Assam	19/09/16 – 26/09/16	-	Transferred to Vadakara
3	Dinu A.G.	Biomedical Signal Processing	TKMCE, Kollam	21/07/16 – 27/07/16	3668	Attended
4	Dinu A.G.	Educational Research Analytics	IIT, Kharagpur	26/09/16 – 30/09/16	-	Not attended
5	Suresh A.R.	Software Testing	ESCI, Hyderabad	23/08/16 – 26/08/16	-	Resigned from CAPE service
6	Suresh A.R.	Education Research and Analysis	IIT Kharagpur	26/09/16 – 30/09/16	-	-do-
7	Muhammed Nizar B.K.	Software Testing	ESCI, Hyderabad	23/8/16 – 26/8/16	31718	Attended
8	Muhammed Nizar B.K.	Educational Research and Analysis	IIT, Kharagpur	26/9/16 – 30/9/16	-	Not attended
9	Sanoj R.	Research Trends in Computing & Algorithms	Model Engg. College, Thrikakara	25/07/16 – 29/07/16	-	Transferred to CE Perumon
10	Krishnaveni V.	Research Trends in Computing & Algorithms	Model Engg. College, Thrikakara	25/07/16 – 29/07/16	37477	Attended
11	Remyamol R.	Research Trends in Computing & Algorithms	Model Engg. College, Thrikakara	25/07/16 – 29/07/16	37447	
12	Mary Priyanka K.S.	Research Trends in Computing & Algorithms	Model Engg. College, Thrikakara	25/07/16 – 29/07/16	37447	

	13	Dhanya Narayan	Recent Trends in Biomedical Signal & Image Processing	TKM College of Engg. Kollam	21/7/16 — 27/7/16	3668	Attended																																																												
<b>Resolution :</b> The board approved all the proposals and also entrusted the Principal to take final decision on the number of faculty attending a single program. They suggested that daily class work should not be affected.																																																																			
20. BoG. B1.1. 2	Sanction was sought to conduct the following in house programmes for faculties.																																																																		
<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Dept.</th> <th>Topic</th> <th>Date</th> <th>No. of Participants</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CE</td> <td>Finite Element Methods</td> <td>29/08/16 — 02/09/16</td> <td>28</td> <td>47310</td> </tr> <tr> <td>2</td> <td>CS</td> <td>Recent Trends in Bioinformatics</td> <td>23/09/16 — 29/09/16</td> <td>45</td> <td>91678</td> </tr> <tr> <td>3</td> <td>CS</td> <td>National Conference on "Novel and Challenging issues and Recent innovations in Engineering and Information Sciences"</td> <td>19/10/16 — 20/10/16</td> <td>50</td> <td>405529</td> </tr> <tr> <td>4</td> <td>EEE</td> <td>Preparatory Training Program for Electrical Supervisor Grade A Certification</td> <td>26/09/16 — 30/09/16</td> <td>35</td> <td>100000</td> </tr> <tr> <td>5</td> <td>IT</td> <td>Hands on Sessions on Raspberry Pi and Android device programming</td> <td>16/8/16 — 18/8/16</td> <td>60</td> <td>-</td> </tr> <tr> <td>6</td> <td>ME</td> <td>Fluid Mechanics</td> <td>26/09/16 — 30/09/16</td> <td>30</td> <td>160000</td> </tr> <tr> <td>7</td> <td>EC</td> <td>Recent Developments in Biomedical Signal Processing'</td> <td>29/8/16 — 02/9/16</td> <td>30</td> <td>-</td> </tr> <tr> <td>8</td> <td>EC</td> <td>Workshop on Electronic Design &amp; Automation (EDA) Tools</td> <td>17/8/16 — 19/8/16</td> <td>50</td> <td>61500</td> </tr> <tr> <td>9</td> <td>EC</td> <td>National Conference on Innovations in Communications, Signal Processing &amp; Embedded systems'</td> <td>6/10/16 — 7/10/16</td> <td>50</td> <td>312550</td> </tr> </tbody> </table>								Sl. No.	Dept.	Topic	Date	No. of Participants	Amount	1	CE	Finite Element Methods	29/08/16 — 02/09/16	28	47310	2	CS	Recent Trends in Bioinformatics	23/09/16 — 29/09/16	45	91678	3	CS	National Conference on "Novel and Challenging issues and Recent innovations in Engineering and Information Sciences"	19/10/16 — 20/10/16	50	405529	4	EEE	Preparatory Training Program for Electrical Supervisor Grade A Certification	26/09/16 — 30/09/16	35	100000	5	IT	Hands on Sessions on Raspberry Pi and Android device programming	16/8/16 — 18/8/16	60	-	6	ME	Fluid Mechanics	26/09/16 — 30/09/16	30	160000	7	EC	Recent Developments in Biomedical Signal Processing'	29/8/16 — 02/9/16	30	-	8	EC	Workshop on Electronic Design & Automation (EDA) Tools	17/8/16 — 19/8/16	50	61500	9	EC	National Conference on Innovations in Communications, Signal Processing & Embedded systems'	6/10/16 — 7/10/16	50	312550
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<b>Resolution :</b> The board approved all the proposals with all respects except sl.No.3 & 9. For Sl.No.3 & 9, the approval is for the program and not for the amount. The board asked to mail the detail budget of National Conferences within two weeks to the Chairman for approval of the expenses. The board also suggested to conduct the National Conferences in the College itself. The Board also suggested																																																																			

	that students can also attend the conferences to hear the talk. The board also asked to make arrangements for publishing the proceedings of the conference and obtain ISBN number. Sri N.J. Mathew informed EEE HoD that EEE Department can make arrangements to conduct a session for the students, parents & the public regarding the changed rules of KSEB.						
<b>20. BoG. B1.2</b>	Sanction was sought to conduct the following expert sessions for students under EAP.						
Sl. No	Dept.	Topic	Date	Class	Amount		
1	EI	Short Term training course on Control system using MatLab (Shincy P. Kunjumon, Bushara M., Dinu A.G.)	26/9/16	S5	23593	Conducted	
2	EI	Digital Systems (Vishnu Mohan)	11/9/16	S3	-		
3	EI	Automatic Process Control (Saji Justus)	22/9/16	S7	-		
4	EI	Distributed Control System (Saji Justus)	20/9/16	S7	-		
5	EE	Testing of Transformers (Pradeesh Kumar D.)	02/9/16	S3	-		
6	EE	Synchronous Machines Analysis (Pradeesh Kumar D.)	05/9/16	S5	-		
7	EE	Special Machines (Sonima M.P.)	27/8/16	S5 & S7	-		
8	EE	Various Aspects of Power System (Salini M. Venugopal)	27/8/16	S5	-		
9	EE	Physical Significance and Various Implications of Maxwell's Equations in Field Theory (Indhu P. Nair)	19/8/16	S5			
10	EE	Concepts of Linear Integrated Circuits (Binimol V.K.)	26/9/16	S5			
11	EE	Power System Analysis (Soumya K.G.)	29/8/16	S7			
12	EE	Microprocessor and its Applications (Jasmi M.S.)	29/7/16	S5	4336	Conducted under III	
13	IT	Implementation of Data Structures in C (Muhammed Nizar B.K.)	04/8/16 11/8/16	S3 IT	-	Not conducted	
14	CS	Practical Approach to Internet of Things (Anitha R.)	23/8/16	S7	5707	Conducted	

	15	CS	Reconfigurable Computing (Jyothis Joseph)	3/10/16	M Tech S1 & S3	4770	Conducted
	16	CS	Recent Trends in Error Detection Methods (Shandry K.K.)	12/8/16	S3	5340	
	17	CS	Algorithm Analysis Methods (Suresh A.R.)	16/8/16	S7	-	
	18	CS	Expert Systems (Rekha K.S.)	05/8/16	S7	-	
	19	CS	Web Development (Mary Priyanka K.S.)	04/9/16	S5	-	
	20	ME	Graphics – The Language of Engineers (Sunish Kurian, Vivek Raju)	29/8/16	S2 EC/EI/ EE	7710	Conducted
	21	Physics	Photonics (Sreekala U.)	01/9/16	S2 CS/IT/ CE	-	Not conducted
	22	ME	Energy Conversion Devices (Sunish Kurian, Vivek Raju)	17/9/16	S2 EC/EI/ EE	8450	
	23	Applied Science	DISHA (Orientation Programme for 1 <sup>st</sup> year students) [Dr. C.B. Ajayakumar]	31/10/16 - 05/11/16	S1 All Branch	31331	Conducted
	24		Motivational Talk (Jisha Balakrishnan, Vivek Raju)	25/7/16	S5 All Branch	39109	
	25	EC	Embedded Systems	04/8/16	S5 EC	-	Not conducted
	26	EC	Digital Signal Processing	05/8/16	S5 EC	7089	Conducted
	27	EC	Image Processing	05/9/16	S7EC	6000	Not conducted
	28	EC	Small Signal Analysis of BJT	07/9/16	S3 EC	6595	
	29	EC	Design of Application Specific Integrated Circuits	18/8/16	S5 EC	5292	conducted
<b>Resolution :</b> The board approved all the proposals. SPFU Director mentioned that all expenditure should be done prior to 31-10-2016. Hence steps should be taken to settle all the bills prior to 31-10-2016.							

20. BoG. B1.2. 2	Sanction was sought to conduct the following Remedial Classes.			Conducted all
Branch	Subject		No. of Sessions	
S3EI	Network Theory		20	
	Solid State Electronics		15	

	Digital System	10
	Electronic Circuits	10
	Engg. Maths	10
S5EI	Applied Electromagnetic Theory	10
,,	DSP	10
,,[P	Micro Processor	10
S7EI	ITC	10
S3 CS	Data Structures using C	20
S5 CS S7 CS	Engg. Maths	15
	Engg. Maths II	10
	Engg Maths IV	10
	Engg. Maths II	10
S3IT	C Programming Fundamentals	15
	Engineering Graphics	15
	Digital System Design	10
	Linear Algebra	10
	Data Structures	15
S5IT	Engineering Mathematics II	10
	Design and Analysis of Algorithms	10
	Operating System Lab	10
	Internet Programming	15
S7IT	Operations Research	15
EC	Electro Magnetic Theory	5
	Digital Signal Processing	5
	Network Theory	5
	Electronic Circuits 1	5
	Solid State Devices	5
S5 EE	Engineering Mathematics IV	10
	Field Theory	12
	Electrical Machines II	10
	Power Systems I	8

Dr. K.G. Viswanadhan,  
Member Secretary

Dr. P. Venkitanarayanan,  
Chairman

	S3 EE	Linear Algebra & Complex Analysis	8	
		Circuits & Networks	8	
		Analog Electronic Circuits	8	
		DC Machines & Transformers	8	
		Computer Programming	8	
		Design Estimation & Costing	10	
		Power Systems II	10	
		Control System II	10	
	<b>Resolution :</b> The board approved all the proposals. The board also suggested to give remedial classes with other faculty from other CAPE colleges or from nearby colleges. SPFU Director mentioned that all expenditure should be done prior to 31-10-2016. Hence steps should be taken to settle all the bills prior to 31-10-2016. The Board also mentioned that suitable measures should be taken to improve the transition rate of students.			
20. BoG. B1.3	Sanction was sought to conduct the following programmes for students under III Cell.			
Sl. No	Dept	Topic	Date	Class
1	EI	Hands on Training on Aurdino (Vishnu Mohan, Dinu A.G.)	03/8/16 - 05/8/16	S3
2	EE	Switch Gear and Protection in Power System (Sonima M.P.)	05/8/16	S7
3	EE	Embedded Systems based on Aurdino UNO (Anith Krishnan)	25/7/16 - 05/8/16	All branches except CE. Any semester
4	IT	.Net Programming (Sanoj R.)	29/7/16 - 30/7/16	S5 IT
5	IT	JAVA Programming using IDE (Eclipse)- Socket Programming, DB Connectivity, RMI Programming (Rana Surendran)	11/8/16 - 13/8/16	S7 IT
6	IT	Android Workshop (Sanoj R.)	28/7/16 - 30/7/16	S7 IT
7	IT	Flash (Remyamol R.)	19/8/16 - 20/8/16	S7 IT

	8	IT	SQL Programming (Krishnaveni V.)	19/8/16	S5 IT		Not conducted		
	9	ME	AUTOCAD for Engineers (Sunish Kurian, Vivek Raju)	20/8/16 27/8/16 03/9/16 22/9/16 23/9/16 24/9/16	S2 EEE/EI/ EC	60490	Conducted		
	10	ME	AUTOCAD for Engineers (Sunish Kurian, Vivek Raju)	3/10/16 - 8/10/16	S2 CS/ IT/ CE	59746	Conducted		
	11	EC	Embedded System Design & Developments	22/7/16 - 23/7/16	S7	22234	Conducted		
<b>Resolution:</b> The board approved all the proposals.									
<b>20. BoG. B1.4</b>	Sanction was sought to conduct the following finishing school programmes for students.						Not conducted  Conducted		
	Sl. No.	Topic		Period	Class & Sem	Expenditure			
	1	Workshop on Management Skills		20/7/16	S7 EC				
	2	Introduction about GATE Exam		18/8/16	S7 EC	5360	Conducted		
<b>Resolution :</b> The board approved all the proposals.									
<b>20. BoG. B5</b>	Sanction was sought to organize a customised residential programme at IIM Kozhikode for enabling the preparation of Institution Development Plan. The estimated cost for this programme is ₹6 lakh for fifteen members of the faculty.						As there is no free slot at IIM Kozhikode on the proposed date, the programme conducted at CUSAT, kept for ratification under item no. 22.BoG.B2.1, sl.no.3-19		
<b>20. BoG. B6</b>	Requested to ratify the outstation programmes without the prior approval of the BoG given in below table.						Settled and reimbursed to all		
	Sl. No	Name	Topic/Institution		Date	Amt.			
	1	Anith Krishnan, EEE(Presented paper)	IEEE International Conference on Circuit, Power & Computing Technologies Noorul Islam University, Nagercoil		18/3/16 - 19/3/16	8353			
	2	Salini M. Venugopal, EEE(Presented paper)	International Conference on Innovations in Information Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore		17/3/16 - 18/3/16	5551			

	3	Dinu A.G., EI(Presented paper)	National Conference on Advances in Informatics and Computing Technology CE, Perumon	30/3/16 - 31/3/16	3368	
	4	Dinu A.G., EI	Recent Advancement & Development in Communication Systems CE, Perumon	04/4/16 - 16/4/16	8317	
	5	Vishnu Mohan, EI	Automation Practice in Industries NITTR, Chandigarh	25/4/16 - 29/4/16	28806	
	6	Mary Priyanka K.S., CS	Mathematical Models in Data mining Process CUSAT	04/4/16	3492	
	7	Jyothis Joseph, CS		-	3733	
	8	Remyamol R., IT		08/4/16	3492	
	9	Nisha C.A., IT			3492	
	10	Sanoj R., IT	Internet of Things GEC Idukki	04/4/16 - 08/4/16	1521	
	11	Sithara A., EI	Bio Signal Processing CE Vadakara	25/4/16 - 30/4/16	7914	
	12	Anith Krishnan, EEE	International Conference on Emerging Trends in Smart Grid Technology CE Thrikkarippur	21/4/16 - 23/4/16	5801	
	13	Dr. Roobin V. Varghese, CE	Finite Element Method & Applications in CE IIT Bombay	04/7/16 - 08/7/16	13742	
	14	Alish Viji Varghese, Maths	Data Analysis using Computational Software RIT Pampady	27/6/16 - 02/7/16	1148	
	15	Syama R., EC	Image Processing in Labview RIT Pampady		545	
	16	Syamesh K.G., EC		20/6/16 -	545	
	17	Deepthy Mathew, EC		22/6/16	670	
	18	Anitha R., EC	Digital Image Processing Viswajyothi College of Engineering & Technology,		2406	
	19	Jyothis Joseph, CS		27/6/16 - 01/7/16	2406	

**Resolution:** The board ratified all the programs.

<b>20.</b> <b>BoG.</b> <b>B3</b>	<p>Sanction was sought to reimburse the fees of following faculties pursuing higher studies.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Sl. No</th><th rowspan="2">Name of Faculty</th><th colspan="5">Amount of course fee to be sanctioned</th></tr> <tr> <th>Sem 1</th><th>Sem 2</th><th>Sem 3</th><th>Sem 4</th><th>Total</th></tr> </thead> <tbody> <tr> <td>1</td><td>Binu M.</td><td>8550</td><td></td><td></td><td></td><td>8550</td></tr> <tr> <td>2</td><td>Ojus Thomas Lee</td><td></td><td></td><td></td><td>8100</td><td>8100</td></tr> <tr> <td>3</td><td>Dhanya Narayan</td><td>7520</td><td>1655</td><td>1655</td><td>1655</td><td>12485</td></tr> <tr> <td>4</td><td>Mohammed Ameen P.P.</td><td></td><td>15780</td><td>15780</td><td></td><td>31560</td></tr> </tbody> </table> <p><b>Resolution:</b> The board approved and permitted to reimburse the fee of all except the fourth semester fee of Sri. Mohammed Ameen. The board suggested to keep it pending and can be reimbursed if the project period is extended.</p>	Sl. No	Name of Faculty	Amount of course fee to be sanctioned					Sem 1	Sem 2	Sem 3	Sem 4	Total	1	Binu M.	8550				8550	2	Ojus Thomas Lee				8100	8100	3	Dhanya Narayan	7520	1655	1655	1655	12485	4	Mohammed Ameen P.P.		15780	15780		31560	Reimbursed all except 3 <sup>rd</sup> semester of Ameen, kept for approval in item no. 22.BoG.B3 as the project had extended
Sl. No	Name of Faculty			Amount of course fee to be sanctioned																																						
		Sem 1	Sem 2	Sem 3	Sem 4	Total																																				
1	Binu M.	8550				8550																																				
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4	Mohammed Ameen P.P.		15780	15780		31560																																				
<b>20.</b> <b>BoG.</b> <b>B4</b>	<p>Sanction was sought to reimburse the registration fee for journal publication of faculties along with students as per the details given in the table below.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Sl. No.</th><th>Name of Paper</th><th>Journal</th><th>Name of Faculty/ Student</th><th>Amt.</th></tr> </thead> <tbody> <tr> <td>1</td><td>Parallel Implementation of Fuzzy K-Means Algorith using Hadoop</td><td>IJARCT</td><td>1. Jyothis Joseph, AP in CS 2. Jerril Mathson Mathew in CS</td><td>1700</td></tr> <tr> <td>2</td><td>Capacitor Coupled Multilevel Custom Power Topology for the Refinement of Polluted Power System</td><td>IJAREEIE</td><td>Jibin Joseph, AP in EEE</td><td>1700</td></tr> <tr> <td>3</td><td>Fault Detection Based on Round Trip Time in WSNS and Trust Value Based Correction</td><td>International Journal of Advanced Research in Computer and Communication Engineering</td><td>1. Syamesh K.G., AP in EC 2. Jeethumo I K. Joy, M.Tech, EC</td><td>1400</td></tr> <tr> <td>4</td><td>Security Based Hostile User Detection in Cognitive Radio Networks</td><td>International Journal of Advanced Research in Computer and Communication Engineering</td><td>1. Syamesh K.G., AP in EC 2. Reshma Rajan, M.Tech, EC</td><td>1400</td></tr> </tbody> </table>	Sl. No.	Name of Paper	Journal	Name of Faculty/ Student	Amt.	1	Parallel Implementation of Fuzzy K-Means Algorith using Hadoop	IJARCT	1. Jyothis Joseph, AP in CS 2. Jerril Mathson Mathew in CS	1700	2	Capacitor Coupled Multilevel Custom Power Topology for the Refinement of Polluted Power System	IJAREEIE	Jibin Joseph, AP in EEE	1700	3	Fault Detection Based on Round Trip Time in WSNS and Trust Value Based Correction	International Journal of Advanced Research in Computer and Communication Engineering	1. Syamesh K.G., AP in EC 2. Jeethumo I K. Joy, M.Tech, EC	1400	4	Security Based Hostile User Detection in Cognitive Radio Networks	International Journal of Advanced Research in Computer and Communication Engineering	1. Syamesh K.G., AP in EC 2. Reshma Rajan, M.Tech, EC	1400	All Under processing															
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1	Parallel Implementation of Fuzzy K-Means Algorith using Hadoop	IJARCT	1. Jyothis Joseph, AP in CS 2. Jerril Mathson Mathew in CS	1700																																						
2	Capacitor Coupled Multilevel Custom Power Topology for the Refinement of Polluted Power System	IJAREEIE	Jibin Joseph, AP in EEE	1700																																						
3	Fault Detection Based on Round Trip Time in WSNS and Trust Value Based Correction	International Journal of Advanced Research in Computer and Communication Engineering	1. Syamesh K.G., AP in EC 2. Jeethumo I K. Joy, M.Tech, EC	1400																																						
4	Security Based Hostile User Detection in Cognitive Radio Networks	International Journal of Advanced Research in Computer and Communication Engineering	1. Syamesh K.G., AP in EC 2. Reshma Rajan, M.Tech, EC	1400																																						

	5	ECG Pattern Analysis and Classification	International Journal of Science, Engineering and Technology Research	1. Deepthy Mathew, AP in EC 2. Namitha Thomas, M.Tech, EC	1230	
	6	A Secure Image Transmission using Mosaic Image Creation in Videos	International Journal of Science, Engineering and Technology Research	1. Deepthy Mathew, AP in EC 2. Susan Mathew, M.Tech, EC	1230	
	7	Glaucoma Detection and Segmentation using Retinal Images	International Journal of Science, Engineering and Technology Research	1. Deepthy Mathew, AP in EC 2. Anju Soman, M.Tech, EC	1230	
	8	Traffic Real time Analysis Facilitates Intelligent Controlling System	International Journal of Engineering Research in Electronics and Communication Engineering	1. Joby James, AP in EC 2. Dan K. Thankachan M.Tech EC	5000	
	9	Reducing the Effect of Energy Drain Attack in Wireless Adhoc Sensor Network	International Journal of Advanced Research in Computer and Communication Engineering	1. Dhanya Narayan AP in EC 2. Saneesh P.S. M.Tech EC	1400	
	10	Review on Multipath Routing Protocols for ZigBee Networks	International Journal of Computer & Mathematical Sciences	1. Shiney Thankachan, AP in EC 2. Raj Philip, MTech EC	2000	
	11	Size Miniaturization and Band Width Amelioration in Microstrip with Matematerials	International Journal of Science, Engineering and Technology Research	1. Shiney Thankachan, AP in EC 2. Saranya J., M.Tech EC	1230	

	12	BER Performance Analysis of FFT and DWT OFDM using DPSK in the presence of CFO	International Journal of Engineering Science & Research Technology	1. Priya M., AP in EC 2. Sonu Sheela Paul, MTech EC	1500	
	13	Circular SRR Loaded UWB Antenna with WiMax Band Notch	International Journal of Engineering Sciences & Research Technology	1. Shiney Thankachan, AP in EC 2. Anju A. Chandran, M.Tech EC	1500	
	14	A Survey on Frequency Reconfigurable Antenna Techniques	International Journal of Innovative Research in Computer and Communication Engineering	1. Shiney Thankachan, AP in EC 2. Cincy Mary Sebastian, MTech EC	1500	
<b>Resolution :</b> Prior to the 20 <sup>th</sup> BoG, 100% of the amount was reimbursed for promoting journal publication, but now as the number of online papers have increased and also as the credit of such papers is limited, the board approved all the journals and permitted to reimburse 50% of the total amount. The board also suggested to fix an upper limit of payment as ₹10,000/academic year/faculty.						
20. BoG. B5	Requested permission to reimburse the expenditure of students for attending conferences as per the details given in below table.					
Sl. No	Details of Conference	Name of Paper	Name of Students	Expense	Settled and reimbursed to all	
1	IEEE International Conference on Innovations in Information, Embedded and Communication Systems held on March 17-18, 2016 at Karpagam College of Engineering, Coimbatore	Implementation of a Boost Converter for Power Factor Correction in Dual Mode	Haritha T., S8 EEE	2195		
2			Parvathy T.S, S8 EEE	2195		
3			Vinitha V.N., S8 EEE	2195		
4			Mamatha S. Babu, S8 EEE	2195		
5	International Conference on Emerging Trends in Smart Grid Technology Organised by College of Engineering Thrikkaripur on 21 to 23 April 2016.	Size Selection in Accordance with Economic Feasibility of Solar PV System for LT-VII A	Aravind Unni S., S8 EEE	2800		
6			Divya Krishnan, S8 EEE	2800		
7			Jojo George Koduvath, S8 EEE	2800		

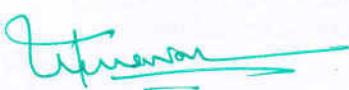
	8		Consumer in Kerala	Nidhin Mohan, S8 EEE	2800			
	9	National Conference on Advances in Informatics and Computing Technology by College of Engineering Perumon, Kollam on 30 <sup>th</sup> March 2016	The Patient-Centric Mobile Healthcare System and Advanced Insulin Bolus Advisor	Anakha K.M., S8 EI	2800			
	10			Muhammed Labeeb M.M., S8 EI	2800			
	11			Sameera Salim, S8 EI	2800			
	12			Sruthi V. Gopal, S8 EI	2800			
	13			Zainul Abideen Karumbil, S8 EI	2800			
	<b>Resolution :</b> The board permitted to reimburse the amount.							
20. BoG. B6.1	Requested to ratify the newly created procurement packages and to give approval to the new packages as detailed below.							
Sl. No.	Package Code	Name of Package	Estimated Cost	Remarks	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
1	228	Jefferson Chair II	337500	To furnish the new CGPC seminar hall	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
2	232	PA System II	100000	For the new CGPC seminar hall	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
3	229	Glazed Almirah	176000	For department libraries	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
4	239	Cubicles	4547200	8 Cubicles each for all department staff rooms	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
5	233	Hall Partitioning	390000	For the new CGPC seminar hall	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
6	235	Electrical Goods	88694	For installing the Electrical Machines purchased by TEQIP	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
7	236	KTU Printer	55000	For the KTU exam cell	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
8	237	Office Furniture	73000	For purchasing almirahs & racks for keeping files and records	Completed all packages except sl.no.8, revised the package in the agenda of 21 <sup>st</sup> BoG.			
	<b>Resolution:</b> The board ratified the actions and gave approval for the new packages.							
20. BoG. B6.2	Requested permission to renew Structural Design Software procured by Civil Engineering Department through TEQIP for 3 years at an estimated cost of ₹1,20,000/-.							
	<b>Resolution:</b> The board permitted to renew the subscription of the software but suggested to renew for the maximum period of time possible. Also the board suggested negotiating with the firm regarding perpetual license.							
20. BoG. B6.3	Requested to ratify the cancelation of the package Dream Spark. <b>Resolution:</b> The board ratified the action.							

Dr. K.G. Viswanadhan,  
Member Secretary

Dr. P. Venkitanarayanan,  
Chairman

20. BoG. B6.4	Requested to ratify the action of taking the balance amount of the package Campus Management Software for other procurement activities.  <b>Resolution:</b> The board entrusted Principal to form a fact finding committee with Sri. Vivek Raju, TEQIP Coordinator, Sri. Saji Justus, Procurement Nodal Officer and Sri. Anith Krishnan, AP in EEE as members to study the issues regarding this package and to explore the possibilities for sorting the issues pertaining. The board asked to give a report within a week. The board also suggested to obtain the source code from the vendor and the findings may be presented in the next BoG.	As a result of discussion of the committee with the firm, the firm has installed a newer advanced version in the institutions server.
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P.V.Narayanan

  
Dr. K.G. Viswanadhan,  
Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman

21. BoG. C1.1.1	Sanction was sought to attend the following outstation training programs for faculty.					
	Sl. No	Name	Topic	Institution	Date	Amt
	1	Dinu A.G.	Laser & Image Processing	NITTR, Kolkatta	24.10.16 – 28.10.16	50000
	2	Bushara M.	Virtual instrumentation for Engineers	College of Engineering Chengannur	05.09.16 – 09.09.16	40000
	3	Shincy P. Kunjunmon	Virtual instrumentation for Engineers	College of Engineering Chengannur	05.09.16 – 09.09.16	40000
	4	Shandry K. K.	Laser and Image Processing	NITTTR, Kolkata	24.10.16 – 28.10.16	50000
	5	Shandry K. K.	Web Development using PHP and MySQL	ESCI, Hyderabad	26.09.16 – 30.09.16	52000
	6	Muhammed Nizar B.K.	Laser and Image Processing	NITTTR, Kolkata	24.10.16 – 28.10.16	50000
	7	Rana Surendran	Laser and Image Processing	NITTTR, Kolkata	24.10.16 – 28.10.16	50000
	8	Remyamol R.	Laser and Image Processing	NITTTR, Kolkata	24.10.16 – 28.10.16	50000
	9	Rana Surendran	Web Development using PHP and MySQL	ESCI, Hyderabad	26.09.16 – 30.09.16	52000
	10	Remyamol R.	Web Development using PHP and MySQL	ESCI, Hyderabad	26.09.16 – 30.09.16	42646
	11	Krishnaveni V.V.	Web Development using PHP and MySQL	ESCI, Hyderabad	26.09.16 – 30.09.16	45223
	12	Indhu P. Nair	IEEE Fall School on Modern Sliding Mode Control	IIT Bombay	26.10.16 – 30.10.16	27323
	13	Saji Justus	Power Industry Familiarisation Programme	PETARC, Moolamatto m	15.11.16 – 17.11.16	14100
	14	Anith Krishnan	Power Industry Familiarisation Programme	PETARC, Moolamatto m	15.11.16 – 17.11.16	14100

**Resolution :** The board approved all the proposals except Sl. No. 8 & 9.

The board approved the expenditure and also empowered the Principal to decide the persons in consultation with the HoDs so that the classes of the students are not affected and compensatory classes may be conducted on Saturdays, if found necessary.

<b>21. BoG.</b> <b>C1.1.2</b>	<p>Sanction was sought to conduct the following in house programmes for faculties.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sl. No.</th><th style="text-align: center;">Dept.</th><th style="text-align: center;">Topic</th><th style="text-align: center;">Date</th><th style="text-align: center;">No. of Participants</th><th style="text-align: center;">Amount</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td><td style="text-align: center;">EEE</td><td>Staff Development Programme Industrial Safety (Mini M.B., Vijayakumar A.)</td><td style="text-align: center;">03.10.16 – 05.10.16</td><td style="text-align: center;">40</td><td style="text-align: center;">50115</td></tr> <tr> <td style="text-align: center;">2</td><td style="text-align: center;">EEE</td><td>National Workshop on Issues and Challenges Faced due to Electricity Deregulation in Indian Scenario (Jasmi M.S., Sreekala V.)</td><td style="text-align: center;">10.10.16 – 12.10.16</td><td style="text-align: center;">50</td><td style="text-align: center;">200000</td></tr> </tbody> </table> <p><b>Resolution :</b> The board approved all the proposals.</p>	Sl. No.	Dept.	Topic	Date	No. of Participants	Amount	1	EEE	Staff Development Programme Industrial Safety (Mini M.B., Vijayakumar A.)	03.10.16 – 05.10.16	40	50115	2	EEE	National Workshop on Issues and Challenges Faced due to Electricity Deregulation in Indian Scenario (Jasmi M.S., Sreekala V.)	10.10.16 – 12.10.16	50	200000	Conducted  HOD stated in the 22 <sup>nd</sup> BoG that it will be conducted in Jan last week																		
Sl. No.	Dept.	Topic	Date	No. of Participants	Amount																																	
1	EEE	Staff Development Programme Industrial Safety (Mini M.B., Vijayakumar A.)	03.10.16 – 05.10.16	40	50115																																	
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<b>21. BoG.</b> <b>C1.2</b>	<p>Sanction was sought to conduct the following expert sessions for students under EAP.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sl. No</th><th style="text-align: center;">Dept.</th><th style="text-align: center;">Topic</th><th style="text-align: center;">Date</th><th style="text-align: center;">Class</th><th style="text-align: center;">Amount</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td><td style="text-align: center;">CE</td><td>Advancement in Transportation Engg. (Jisha Balakrishnan)</td><td style="text-align: center;">23/08/16</td><td style="text-align: center;">S5</td><td style="text-align: center;">6970</td></tr> <tr> <td style="text-align: center;">2</td><td style="text-align: center;">CE</td><td>Introduction to Water Resources Engg. (Bindiya Hari P.)</td><td style="text-align: center;">23/08/16</td><td style="text-align: center;">S5</td><td style="text-align: center;">5520</td></tr> <tr> <td style="text-align: center;">3</td><td style="text-align: center;">CE</td><td>Advancements in Ground Water Engg. (Sabna Mohanan)</td><td style="text-align: center;">23/08/16</td><td style="text-align: center;">S7</td><td style="text-align: center;">5540</td></tr> <tr> <td style="text-align: center;">4</td><td style="text-align: center;">ECE</td><td>Electromagnetic Theory</td><td style="text-align: center;">23/09/16</td><td style="text-align: center;">S5</td><td style="text-align: center;">5500</td></tr> <tr> <td style="text-align: center;">5</td><td style="text-align: center;">ECE</td><td>Network Theory</td><td style="text-align: center;">26/09/16</td><td style="text-align: center;">S3</td><td style="text-align: center;">5500</td></tr> </tbody> </table> <p><b>Resolution:</b> The board approved all the proposals.</p>	Sl. No	Dept.	Topic	Date	Class	Amount	1	CE	Advancement in Transportation Engg. (Jisha Balakrishnan)	23/08/16	S5	6970	2	CE	Introduction to Water Resources Engg. (Bindiya Hari P.)	23/08/16	S5	5520	3	CE	Advancements in Ground Water Engg. (Sabna Mohanan)	23/08/16	S7	5540	4	ECE	Electromagnetic Theory	23/09/16	S5	5500	5	ECE	Network Theory	26/09/16	S3	5500	Conducted  Not conducted
Sl. No	Dept.	Topic	Date	Class	Amount																																	
1	CE	Advancement in Transportation Engg. (Jisha Balakrishnan)	23/08/16	S5	6970																																	
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5	ECE	Network Theory	26/09/16	S3	5500																																	

Dr. K.G. Viswanadhan,  
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Dr. P. Venkitanarayanan,  
Chairman

21. BoG. C1.2.2	Sanction was sought to conduct the following Remedial Classes.					Conducted all		
	Branch	Subject			No. of Sessions			
	S3 EC	Solid State Devices			8			
		Network Theory			8			
		Linear Algebra & Complex Analysis			8			
		Electronics Circuits			8			
	S5 EC	Electro Magnetic Theory			8			
		Communication Engineering II			8			
		Digital Signal Processing			8			
	S7 EC	Power Electronics			8			
	S1 IT	Introduction to computing & problem solving			15			
		Calculus			15			
	S7IT	Internetworking			15			
	S5IT	Operations Research			15			
		Internet Programming			15			
		Design and Analysis of algorithms			15			
	S1 CE, CS, IT	Engg. Mechanics BE 100			20			
	S1 EE, EC, EI	Engg. Graphics BE 110			20			
<b>Resolution :</b> The board approved all the proposals.								
21. BoG. C1.3	Sanction was sought to conduct the following programmes for students under III Cell.					Not conducted     Conducted		
	Sl. No	Dep t	Topic/Details of Expert	Date	Class	Amount		
	1	ECE	Workshop & Training Program On Embedded System Design	20.09.16 — 24.09.16	S5 &S7	20000		
	2	ECE	HFSS Workshop	22.09.16 — 24.09.16	S7	15385		
	3	ECE	PCB Design Workshop	27.09.16 — 28.09.16	S1	5460		
<b>Resolution :</b> The board approved all the proposals.								

21. BoG. C1.4	Sanction was sought to conduct the following finishing school programmes for students.					Not conducted BoG asked to repeat the programme for next semester students
Sl. No.	Topic/ Details of Experts	Period	Class & Sem	Expenditure		
1	Aptitude Training	01.09.16	S7, All Branches	77000		
2	Networking - CCNA	27.08.16, 03.09.16, 24.09.16, 01.10.16 08.10.16 09.10.16 15.10.16 19.10.16 22.10.16	S7 ECE	105000		
3	Networking - RHCE	27.08.16 03.09.16 24.09.16 01.10.16 08.10.16 09.10.16 15.10.16 19.10.16 22.10.16	S7 ECE	105000		
<b>Resolution :</b> The board approved all the proposals.						
21. BoG. C2.1	Requested to ratify the outstation programmes without the prior approval of the BoG given in below table.					Settled all programmes
Sl. No	Name	Topic/Institution	Date	Amt.		
1	Shiney Thankachen, EC	Recent Advances in Wireless Communication IIT Kharagpur	11/7/16 – 15/7/16	28682		
2	Deepthy Mathew, EC	Recent Advances in Wireless Communication IIT Kharagpur	11/7/16 – 15/7/16	28882		
3	Sonima M.P., EEE	Essentials of Energy Management Model Engineering College, Thrikkakara	01/8/16 – 05/8/16	36696		
4	Sunish Kurian, ME	National Conference on Futuristic Advancements in Mechanical Engineering CE, Thalassery	08/8/16 – 09/8/16	4082		
<b>Resolution :</b> The board ratified all the proposals.						

Dr. K.G. Viswanadhan,  
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Dr. P. Venkitanarayanan,  
Chairman

<b>21</b> <b>BoG.</b> <b>C2.2</b>	Requested to ratify the expert sessions conducted without the prior approval of the BoG given in below table.							Settled all the programmes
Sl. No.	Dept	Subject/ Area of Training	Period	No. of Participants	Class	Expenditure		
1	EC	Digital Signal Processing, Dr. Venugopal G., Asso. Prof., NSSS Palakkad	27-Jul-16	30	S5	7089		
2	CS	Fuzzy Logic and Application Dr. C. Seldev Christopher	25-Jul-16	60	S5 CS/ IT	6562		
3	CS	Man and Machine Dr. R. Vijayakumar, Prof.	26-Jul-16	55	S7 CS/ IT	4965		
4	EEE	Synchronisation and its Related Problems Dr. Jayan M.G, Prof., RIT	22-Jul-16	35	S5	4351		
5	EEE	Towards Next Generation Monolithic IC Ms. Reshma S., AP, CEM Punnappa	26-Jul-16	33	S5	2760		
6	EEE	Peculiarities of Non Linear Control Systems in Practical Scenario Reji A.R., HOD, EEE, CEM Punnappa	26-Jul-16	36	S7	4960		
7	EEE	Modern Trends in Integrated Circuits Bincy K. Jose, Research Scholar, RIT Kottayam	26-Jul-16	35	S5	2526		
8	CS	Video Processing Jina Varghese, Research Scholar, MGU	25-Jul-16	55	S5 CS/ IT	4855		

	9	CE	Earthquake Resistant Structure Bennet Kuriakose, HoD, Mangalam College of Engg., Ettumanoor	26-Jul-16	35	S7	4130	
	10	CE	Reinforced Earth Techniques Dr. A.K. Vasudevan	25-Jul-16	35	S7	6656	
	11	EC	Signals & Systems Shihabudeen AP, CE Trikaripur	25-Jul-16	30	S5	4805	
	12	EI	Non Linear Control System & Applications Jiss Mohan, AP, SJCET, Pala	27-Jul-16	37	S7	4265	
	13	EC	Design of Application Specific Integrated Circuit Dr. Sindhu R., Prof. NSS, Palakkad	25-Jul-16	30	S5	5292	
	14	EC	Recent Trends in Communication Systems Ebin M. Manuel, AP, GEC Idukki	21-Jul-16	30	S5	4340	
	15	EI	Energy Meters and Applications Al-Suheer S.S., AP, SJCET Palai	27-Jul-16	52	S5	4765	
	16	EI	Advances in PLC Programming Aby P. Mathew, Asso. Prof., SJCET, Pala	9-Aug-16	36	S7	4360	
	17	CS	Practical Application of Data Structures Dr. R.S. Shaji, Prof., Noorul Islam University	8-Aug-16	45	S3	7025	
	18	EC	Biju, AP, CE, Thalassery	12-Aug-16	30	S5	5900	
	19	EEE	Circuit Analysis Biju K., CE Munnar	12-Aug-16	14	S3	5087	

Dr. K.G. Viswanadhan,  
Member Secretary

Dr. K.G. Viswanadhan

Dr. P. Venkitanarayanan,  
Chairman

Dr. P. Venkitanarayanan

	Requested to ratify the expert sessions conducted under III without the prior approval of the BoG given in below table.							
	Sl. No.	Dept	Subject/ Area of Training	Period	No. of Participants	Class	Expenditure	
	1	EEE	New Product Development and Quality Assurance Umasankar, Manager, P&PD, RRII, Kottayam	27-7-16	35	S7	3656	Settled
<b>Resolution:</b> The board ratified all the programmes.								
21. BoG. C3.1	Sanction was sought to reimburse the fees of following faculties pursuing higher studies.							Reimbursed to all
	Sl. No	Name of Faculty	Amount of course fee to be sanctioned					
			Sem 1	Sem 2	Sem 3	Sem 4	Total	
	1	Binu M.		8550			8550	Reimbursed to all
	2	Mary James Kappen	23300	23300			43600	
	3	Shiney Thankachen				4735	4735	
<b>Resolution:</b> The board approved to reimburse the fees.								
21. BoG. C4.1	Sought permission to cancel the package no.237 Office Furniture as the balance amount is insufficient for proceeding with the package. <b>Resolution:</b> The board permitted to cancel this package.							Cancelled
21. BoG. C4.2	Sought approval for a new package for Office Furniture at an estimated cost for ₹34,000/-. <b>Resolution:</b> The board gave approval to the package.							Pending
21. BoG. C4.3	Sought permission for renewing Structural Design Software for 3 years at an estimated cost of ₹1,03,050/- from 20 <sup>th</sup> BoG and 20 <sup>th</sup> BoG suggested to renew it for maximum years. As such the department contacted the vendor and they offered renewal of subscription for a period of six years for ₹3,10,500/- <b>Resolution:</b> The board suggested to renew the software for three years.							Renewed
21. BoG. C4.4	Informed BoG that as 20 <sup>th</sup> BoG have suggested to form a fact finding committee for studying the issues regarding the package Campus Management Software. As such the committee studied the problems and contacted the vendor following suggestion were made and the vendor offered to give a fresh software compatible for KTU without any additional cost. Modules essential for data entry Placement and exam modules etc. <b>Resolution:</b> Noted and asked to complete all the modules before September 30, 2016.							As a result of discussion the firm has installed a newer advanced version in the institutions server
21. BoG. C4.5	Requested permission to repair the damage caused to the Network Cable of IT department by Rodent Attack. <b>Resolution:</b> Noted and approved.							Repaired
21. BoG. C4.6	Requested permission for the service and maintenance of Process Control Simulator and Labview software of EI department. <b>Resolution:</b> The board approved the proposal and suggested to meet the expense from the head IOC.							Vendors have agreed to complete by January 2017.

**Decision Sought:** BoG may examine the action taken report and approve.

**Resolution:** BoG examined the action taken report and following comments were made.

- For programmes that were commented 'not conducted', BoG asked to state valid reasons for 'non conducted' programmes and instructed that the programs should be conducted by February 2017. The amount for 'not conducted' programmes need not be mentioned.
- If the actual expenditure for programmes is more than estimated amount specific reasons should be stated.
- BoG instructed to present only well planned programmes in the BoG.
- From next BoG onwards, board instructed to circulate completed agenda to the all members, before 5 days of BoG.
- Board instructed every communication from TEQIP to all should be either through letters or by email only.
- Board instructed to create a subcommittee and review the progress regarding the approved programs as per three months plan on every last Friday of every month and e-mail the status to the BoG Chairman.
- Board instructed the Principal to conduct staff meeting regularly at the beginning of each semester and after publishing results.
- Present the result published in the BoG.

### Remedial

- Participation report and expenditure of conducted remedial classes should be presented in the BoG.
- Refreshment for Remedial classes, following the rules can be provided.
- While stating the reason for non settlement, specify that the project period is extended from October 31, 2016 to March 30, 2017. The programmes conducted/attended should be settled within a period of two months from the date of receiving advance.
- Mention the transition rate for conducted remedial classes.

### III Cell

- The names of experts should be mentioned.
- Every program must have a co-coordinator. If a programme coordinator is unavailable the program should be conducted by the HoD with the help of other faculty, as the programmes are conducted by the department for the students.
- For 'not conducted' programmes reasons must be mailed by the coordinator via email to Principal/TEQIP office and if they are not

reported by the coordinator/HoD in time, the matter may be informed in the subsequent BoG.

#### **Procurement (Item No.21.BoG.C4.2)**

- The Board permitted to revise the furniture package including the balance amount of interest subject to the approval of SPFU.

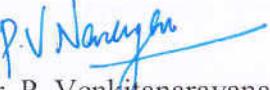
## **Part B**

### **Items for Discussion, Consideration and Approvals**

#### **22.BoG.B1. Consideration of the various academic programs for the next three months.**

The detailed proposal of outstation and in house programmes of members of faculty upto Jan 30, 2017 is planned and approved by the Academic Committee. The proposals are given in below tables.

  
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### B1.1.1 Outstation Programmes

Sl. No.	Department	Name of faculty identified for training	Subject / Area of Training	Training Institution	Tentative Date	Expenditure	(Expected) Outcome / Objective
From	To	Courses Fee	TA/DA	Total			
1	Applied Science	Vivek Raju	GIAN Course On Manpower Planning Using Annualized Hours	NIT Calicut	26/12/16	31/12/16	For getting a knowledge and developing annualized hours based models
2	EI	Arya B. Raj	Familiarisation Programme Power Industry	PETARC, Moolamattom	27/12/16	29/12/16	Awareness about Power generation
3	CS	Dheeraj N.	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	27/12/16	29/12/16	To visit and understand power house functionality
4	EE	Anu Michael	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	03/01/17	06/01/17	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents

  
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5	EE	Indhu P. Nair	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	4	03/01/17	06/01/17	23000	15000	38000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents.
6	EE	Raji Raghunathan	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	4	03/01/17	06/01/17	23000	4000	27000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents
7	EE	Silpanjali Gopal	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	4	03/01/17	06/01/17	23000	4000	27000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents
8	EE	Soumya K.G.	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	4	03/01/17	06/01/17	23000	15000	38000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents

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9	EC	Dhanya Narayan	Transition to IS/ISO 9001 : 2015	Bureau of Indian Standards, Jaipur	2	05/01/17	06/01/17	10500	30000	40500	For understanding the purpose and intent of the new series of management system standards
10	IT	Rana Surendran	Transition to IS/ISO 9001:2015	Bureau of Indian Standards, Jaipur	2	05/01/17	06/01/17	10500	30000	40500	Can help organization to attain ISO Certification.
11	CS	Shandry K. K.	Transition to IS/ISO 9001:2015	Bureau of Indian Standards, Jaipur	2	05/01/17	06/01/17	10500	30000	40500	Can help organization to attain ISO Certification
12	CS	Josna Jose	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	05/01/17	07/01/17	13800	900	14700	To visit and understand power house functionality
13	CS	Lidiya Augustine	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	05/01/17	07/01/17	13800	900	14700	To visit and understand power house functionality
14	Ma ths	Sreelakshmi S.	Transforms – Techniques & Applications	CE Kallooppara (IHRD)	5	09/01/17	13/01/17	35000	2000	37000	To get a deep knowledge about techniques and application of transforms

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15	CE	Akash Gopi	Power Industry Familiarization Program	PETARC Moolamattom	3	10/01/17	12/01/17	14000	1000	15000	Familiarization of industries, power generation, power house ,dam structure
16	Math s	Alish Viji Varghese	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
17	CE	Divya S. Nair	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
18	Ma ths	Dr. C.B. Ajayakumar	Power industry familiarization programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
19	CE	Dr. Roobin V. Varghese	Power Industry Familiarization Program	PETARC Moolamattom	3	10/01/17	12/01/17	13800	1000	14800	Familiarization of industries, power generation, power house ,dam structure
20	IT	Jisha C. Thankappan	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
21	CE	Jisha Balakrishnan	Power Industry Familiarization Program	PETARC Moolamattom	3	05/01/17	07/01/17	13800	1000	14800	Familiarization of industries, power generation, power house ,dam structure
22	CE	Mary James Kappen	Power Industry Familiarization Program	PETARC Moolamattom	3	10/01/17	12/01/17	14000	1000	15000	Familiarization of industries, power generation, power house ,dam structure

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Member Secretary

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23	IT	Mohammed Nizar B.K.	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
24	CE	Navami M.	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	1000	15000	To get an insight in the field of power industry
25	IT	Remyamol R.	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
26	IT	Sonia Tresa Paul	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
27	CE	Sreekumari T. K.	Power Industry Familiarization Program	PETARC Moolamattom	3	05/01/17	07/01/17	13800	1000	14800	Familiarization of industries, power generation, power house ,dam structure
28	CE	Susan P. Jacob	Power Industry Familiarization Program	PETARC Moolamattom	3	05/01/17	07/01/17	13800	1000	14800	Familiarization of industries, power generation, power house ,dam structure
29	CE	Vidhya Velayudhan	Power Industry Familiarization Program	PETARC Moolamattom	3	05/01/17	07/01/17	13800	1000	14800	Familiarization of industries, power generation, power house ,dam structure
30	ME	Vivek Raju	Power industry familiarization programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry



Dr. K.G. Viswanadhan,  
Member Secretary



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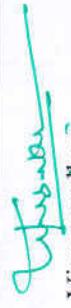
Dr. P. Venkitanarayanan,  
Chairman

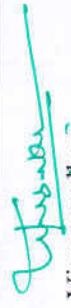
31	ME	Wringle Joseph	Power Industry Familiarization Programme	PETARC Moolamattom	3	10/01/17	12/01/17	13800	500	14300	To get an insight in the field of power industry
32	CS	Jyothis Joseph	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	10/01/17	12/01/17	13800	2000	15800	To visit and understand power house functionality
33	CS	Neethu Varkkey	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	10/01/17	12/01/17	13800	2000	15800	To visit and understand power house functionality
34	CS	Tharun Moorthy	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	10/01/17	12/01/17	13800	2000	15800	To visit and understand power house functionality
35	EI	Amrutha Ramachandran	Supply Chain Optimization	IIM Kozhikode	6	09/01/17	14/01/17	27025	5000	32025	To get a deep knowledge about various optimization techniques in supply chain
36	CE	Gitty Rose Eugine	Semi Destructive and Non-Destructive Testing of Structures	CET, Thiruvananthapuram	6	16/01/17	21/01/17	0	3500	3500	For getting knowledge in the information security management system
37	EC	Arun R. Chandran	Advanced VLSI Design	NITTTR Chandigarh	5	16/01/17	20/01/17	10000	20000	30000	For guiding B.Tech and M.Tech projects

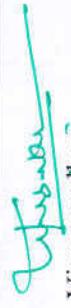
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Member Secretary

Dr. P. Venkitanarayanan,  
Chairman

38	CS	Dheeraj N.	Information Security Management System	ESCI, Hyderabad	5	17/01/17	21/01/17	28750	4000	32750	For getting knowledge in the information security management system
39	IT	Jisha C. Thankappan	Information Security Management System	ESCI, Hyderabad	5	17/01/17	21/01/17	28750	20000	48750	For getting knowledge in the information security management system
40	IT	Krishnaveni V. V.	Information Security Management System	ESCI, Hyderabad	5	17/01/17	21/01/17	28750	20000	48750	For getting knowledge in the information security management system
41	IT	Muhammed Nizar B.K.	Information Security Management System	ESCI, Hyderabad	5	17/01/17	21/01/17	28750	20000	48750	For getting knowledge in the information security management system
42	IT	Rana Surendran	Information Security Management System	ESCI, Hyderabad	5	17/01/17	21/01/17	28750	20000	48750	For getting knowledge in the information security management system
43	CS	Tarun Moorthy	Information Security Management System	ESCI, Hyderabad	5	17/01/17	21/01/17	28750	4000	32750	For getting knowledge in the information security management system
44	EE	Anu Michael	Load Dispatch & Power management	PETARC	3	23/01/17	25/01/17	13800	2000	15800	To familiarize with the power system management using SCADA

  
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Chairman

45	EE	Johnson Abraham Mundackal	Load Dispatch & Power Management	PETARC, Moolamattom	3	23/01/17	25/01/17	13800	2000	15800	To familiarize with the power system management using SCADA
46	EE	Raji Raghunathan	Load Dispatch & Power management	PETARC, Moolamattom	3	23/01/17	25/01/17	13800	2000	15800	To familiarize with the power system management using SCADA
47	EE	Silpanjali Gopal	Load Dispatch & Power management	PETARC, Moolamattom	3	23/01/17	25/01/17	13800	2000	15800	To familiarize with the power system management using SCADA
48	EE	Binimol V.K.	Load Dispatch & Power Management	PETARC, Moolamattom	3	23/01/17	25/01/17	13800	2000	15800	To familiarize with the power system management using SCADA
49	EE	Jasmi M. S.	Load Dispatch & Power Management	PETARC, Moolamattom	3	23/01/17	25/01/17	13800	2000	15800	To familiarize with the power system management using SCADA
50	EC	Akhil S. Kumar	Winter School on Speech & Audio Processing	IISc Bangalore	4	26/01/17	29/01/17	8000	10000	18000	For guiding B.Tech and M.Tech projects
51	EC	Dhanya Narayan	Winter School on Speech & Audio Processing	IISc Bangalore	4	26/01/17	29/01/17	8000	10000	18000	For guiding B.Tech and M.Tech projects
52	EC	Febin P.A.	Winter School on Speech & Audio Processing	IISc Bangalore	4	26/01/17	29/01/17	8000	10000	18000	For guiding B.Tech and M.Tech projects

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53	EC	Prittu Ann Thomas	Winter School on Speech & Audio Processing	IISc Bangalore	4	26/01/17	29/01/17	8000	10000	18000	For guiding B.Tech and M.Tech projects
54	EC	Savitha Suresh	Winter School on Speech & Audio Processing	IISc Bangalore	4	26/01/17	29/01/17	8000	10000	18000	For guiding B.Tech and M.Tech projects
										1189425	

**Decision Sought:** The board may consider the above proposals and approve.

**Resolution:** The board directed to conduct academic committee and give recommendation of academic committee for each programme upto Jan 31,2017 and then send to the Chairman. Also the committee should ensure that all the programmes in the plan will be conducted . All the remaining programmes can be discussed in next BoG, which is scheduled in January. HoD's should ensure that every faculty would go for programmes as in the plan. The members of faculty who were attending outstation programmes should offer a course after completing the training.

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### B1.1.2 Outstation Programmes for Technical/Office Staff upto Jan 30,2017

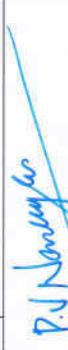
Sl. No.	Department	Name of staff identified for training	Subject / Area of Training	Training Institution	Duration (Days)	Tentative Date		Expenditure		(Expected) Outcome / Objective
						From	To	Course Fee	TDA	
1	Office	Bili K. Nair, Junior Supdt.	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	27/12/16	29/12/16	13800	1000	14800 Awareness and familiarization of equipments to common man
2	Office	Kala B. Nair, Assistant Gr.II	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	27/12/16	29/12/16	13800	1000	14800 Useful for getting awareness about electricity production
3	Library	Nisha M. Nair, Librarian	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	27/12/16	29/12/16	13800	1000	14800 The participants will be able to assess the current status of power sector in Kerala. Will be able to understand the operation of hydroelectric power station.

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Member Secretary

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Chairman

4	Office	Sabitha M.N., Assistant Gr. II	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	3	27/12/16	29/12/16	13800	1000	14800	Useful awareness about electricity production
5	EE	Mini M.B., Instructor Gr.II	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	4	03/01/17	06/01/17	23000	15000	38000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents
6	EE	Vijaya Kumar A., Tradesman	Electrical Safety Procedure and Accident Prevention	ESCI Hyderabad	4	03/01/17	06/01/17	23000	4000	27000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents
7	EE	Muhammed Aslam K.A., Tradesman	Electrical Safety Procedures and Accident Prevention	ESCI, Hyderabad	4	03/01/17	06/01/17	23000	4000	27000	To impart awareness regarding statutory Rules, Regulations and Safety Audit, to take timely action to arrange first-aid during the accidents
8	Library	Nisha M. Nair, Librarian Gr.IV	Library Automation using Koha	Kerala Librarians Association		10/01/17	12/01/17			10000	For getting expertise in library automation
9	Library	Yami K.M., Librarian	Library Automation using Koha	Kerala Librarians		10/01/17	12/01/17			10000	For getting expertise in library automation

  
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Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman  
  
  
P.J. Narayanan

	Gr.IV		Association					
10	Libr ary	Saji K. Vettathu, Librarian Gr.III	Digital Library Management	NITTR, Chandigarh	16/01/17	20/01/17	15000	25000 40000 For getting an expertise in digital library management

**Decision Sought:** The board may consider the above proposals and approve.

**Resolution:** The board directed to conduct academic committee and give recommendation of academic committee for each programme upto Jan 31,2017 and then send to the Chairman for approval.

Dr. K.G. Viswanadhan,  
Member Secretary

Dr. P. Venkitanarayanan,  
Chairman

### B1.1.3 In-house Training Programmes / workshops Programmes/conferences planned

Sl. No	Department	Subject / Area of Training	Period		Participation (no's) expected			Planned Expenditure	Details of Expert	(Expected) Outcome / Objective
			From	To	No. of days	Own Institution	Other Institutions			
1	EC	Biomedical Signal Processing (Arun R. Chandran)	03/01/17	09/01/17	5	25	15	40	75000	Experts from Bitsforge Technologies, Ernakulam
2	EE	Design and simulation of power convertors	11/01/17	17/01/17	5	25	25	50	100000	1)Dr.Vincent G Asso.Prof.GEC Sreekrishnapuram 2)Dr.Jayanand Prof. GEC Trissur 3)Dr.Nandakumar Prof. GEC Trissur 4)Dr.Jaison Mathew GEC Trissur 5)Experts from Neo Green Labs, Ernakulam
3	EI	Soft Computing Techniques for Engineering Applications	05/01/17	11/01/17	5	30	20	50	150000	Academics from reputed institutions
									325000	To explore the recent trends and developments in the area of soft computing

  
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Member Secretary

  
Dr. P. Venkitanarayanan,

Chairman

**Decision Sought:** The board may consider the above proposals and approve.

**Resolution:** The board directed to conduct academic committee and give recommendation of academic committee for each programme upto Jan 31,2017 and then send to the Chairman for approval.

### B1.2 Consideration of the various Management Capacity Enhancement programs

The detailed proposal of Management Capacity Enhancement Programmes for members of faculty upto Jan 30, 2017 is planned and approved by the MCE Committee. The proposals are given in below tables.

Sl. No.	Department	Name of faculty identified for training	Subject / Area of Training	Training Institution	Duration (Days)	From	To	Tentative Date			Expenditure			Expected Outcome/ Objective
								Course Fee	TA/ DA	Total				
1	CS	Dr. K.S. Angel Vijj, HoD, CS	Creative Thinking, Problem Solving & Decision Making	IIM Kozhikodu	3	18/01/17	20/01/17	51750	2000	53750	Create problem solving and decision making ability			To select the best decision to assess work issues and problems
2	EC	Dr. Rini Jones S.B., HoD, EC	Creative Thinking, Problem Solving & Decision Making	IIM Kozhikode	3	18/01/17	20/01/17	51750	2000	53750				
											<b>107500</b>			

Dr. K.G. Viswanadhan,  
Member Secretary

Dr. P. Venkitadarayanan,  
Chairman

**Decision Sought:** The board may consider the above proposals and approve.

**Resolution:** The board directed to conduct academic committee and give recommendation of academic committee for each programme upto Jan 31,2017 and then send to the Chairman for approval.

### B1.3 Consideration of the various academic programs for students

The detailed proposal of expert sessions upto Jan 30, 2017 is planned and approved by EAP Committee. The proposals are given in below tables.

Sl. No	Department	Subject / Area Of Training	Period		No. of days	Class & Sem.	Expected no. of Participants	Details of Expert	Planned Expenditure
			From	To					
1	Applied Science	Financial Management	07/01/17, 14/01/17, 21/01/17, 02/02/17, 03/02/17		5	S6 IT	15	Dr. Tinsky Rose Tom, AP Fathima matha college Kollam, Prof Swapnesh S, AP in ME, RIT Kottayam	32000
2	CS	Network Simulation	23/01/17	25/01/17	3	S2 M.Tech	9	Pankaj Kumar, Asst. Prof. cum System Analyst	21000
3	CS	Soft Skills Training	24/01/17	26/01/17	3	S8	35	Robin Jose, Asst. Prof, SB College Changanassery	21000
4	EEE	Advanced Techniques In Frequency Domain Representation Of Discrete Time Signals	05/01/17		1	S6	35	Flower Abraham Mundackal AP ECE , College of Engineering Poonjar	6500

5	EEE	Analysis On Discrete Time Fourier Transform In Digital Signal Processing	10/01/17	1	S6	39	Flower Abraham Mundackal AP ECE , College of Engineering Poonjar	6500
6	EEE	Design Of Magnetic Field System In DC Machines	11/01/17	1	S8	39	Sherin Joseph HOD EEE, College of Engineering Poonjar	6500
7	EEE	Design Of Single Phase And Three Phase Transformers	18/01/17	1	S8	39	Sherin Joseph HOD EEE, College of Engineering Poonjar	6500
8	EEE	Fractional Power Applications of Single Phase Induction Motors	23/01/17	1	S6	39	Dr.Jayan M.V., HoD, EEE, RIT Kottayam	6500
								106500

**Decision Sought:** The board may consider the above proposals and approve.

**Resolution:** The board directed to conduct academic committee and give recommendation of academic committee for each programme upto Jan 31,2017 and then send to the Chairman for approval.

#### B1.4 Consideration of the various III Cell programs

The detailed proposal of expert sessions upto Jan 30, 2017 is planned and approved by III Cell Committee. The proposals are given in below table.

Sl. No	Department	Subject / Area of Training	Period		Class & Sem	Expected no. of Participants	Details of Expert	Planned Expenditure
			From	To				
1	CS	Android Programming (Revathi Roy)	23/01/17	25/01/17	3	S6	35	Linson Alfred, Prog. Lead, Mobme
2	IT	Technologies Evolving in Industry (Muhammed Nizar B.K.)	10/01/17		1	S6 (CS&IT)	90	Ganesh D. Iyer, HR Manager, IBS, Bangalore
3	IT	PHP & web based project	14/01/17, 21/01/17, 28/01/17		3	S6	28	Anil S., Qburst Technologies
4	EEE	Advanced control techniques in thermal power plants for effective power generation (Jasmi M.S.)	03/01/17		1	S8	30	Kannan P. Nair Deputy Chief Engineer NTPC Chennai
5	EEE	Performance Analysis on Supervisory Control and Data Acquisition System (Sreekala V.)	09/01/17		1	S6	30	Anees T.M. Residential Engineer Rubber Park Ernakulam
6	EEE	Application of monopoly in lightning communication and power transformers	24/01/17		1	S8	30	Harivenu V S Electrical consultant Contracting Syndicate Mumbai



Dr. K.G. Viswanadhan,  
Member Secretary

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Dr. P. Venkitanarayanan,  
Chairman

7	EI	Real Time Project Design using Aurdino Uno	9,11,16,18, 23,25,30 of Jan 17 & 1,6,8,13, 15,20,22, 27 of Feb 17, 01/03/17	16	S6	26	Thomas Sabu & Sapthas R.S., Neo Green Labs, Ermakulam	80000	193000
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**Decision Sought:** The board may consider the proposals and approve.

**Resolution:** The board directed to conduct academic committee and give recommendation of academic committee for each programme upto Jan 31,2017 and then send to the Chairman for approval.



Dr. K.G. Viswanadhan,  
Member Secretary

## B1.5 Consideration of the various Finishing School programs

The detailed proposal of programmes under Finishing School for the next 3 months is planned and approved by the Finishing School Committee. The proposals are given in below table.

Sl. No.	Department	Subject / Area of Training	Period		No. of days	Class & Sem	Expected no. of Participants	Details of Expert	Planned Expenditure
			From	To					
1	CS	Java and Android Programming	01/02/17	28/02/17	25	Passed out Students	60	To be finalized after evaluating EOI	900000
2	CS	Quantitative Aptitude	13/02/17	16/02/17	3	S6	60	Focus Academy for Carrier Enhancement, Coimbatore	40000
3	EC	Desktop & Server Administration	01/02/17	04/03/17	150 hrs (25 days)	Pass out students	30	To be finalized after evaluating EOI	900000
4	All	Quantitative Aptitude Training	09/01/17	03/02/17	80 (at a time 4 parallel batches)	All students from S1 to S8	1000	To be finalized after evaluating EOI	800000
5	EI	Placement Training	24/01/17	28/01/17	5	S6& S8	40	Focus Academy for Carrier Enhancement	100000
									2740000

**Decision Needed:** The board may consider the proposals and approve.

**Resolution:** The Terms of Reference for the programs were circulated for approval.

  
Dr. K.G. Viswanadhan,  
Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman

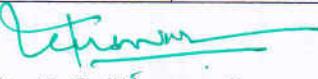
**22.BoG.B2. Ratification of the various training programs without the approval of BoG**

**B2.1 Faculty**

Details of the faculty members who were permitted to attend outstation programmes without the prior approval of BoG are given in below table.

**Table 1**

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
1	Dhanya Narayan, EC	Recent Advancements in Signal Processing for Speech Image & Communication	RIT, Kottayam	26/08/16 – 27/08/16	2000	345	2345
2	Bindiya Hari P., CE	Power Industry Familiarization Program for Civil Engineering Faculty	PETARC, Moolamattom	22/09/16 – 24/09/16	13800	477	14277
3	Dr. Roobin V. Varghese, CE				23530	3400	26930
4	Akarsh Gopi, CE				23530	2456	25986
5	Amrutha Ramachandran, EI				23530	2456	25986
6	Arun R. Chandran, EC				23530	3288	26818
7	Dr. Angel Viji K.S., CS				23530	3395	26925
8	Dr. Rini Jones S.B., EC				23530	3395	26925
9	Indhu P. Nair, EEE	Institutional and Personal Competency Building	School of Management, CUSAT	27/09/16 – 29/09/16, 03/10/16 – 04/10/16	23530	3333	26863
10	Manu Francis, EI				23530	2456	25986
11	Muhammed Nizar B.K., IT				23530	3333	26863
12	Navami M., CE				23530	2456	25986
13	Pradeep T.S., EI				23530	3395	26925
14	Prittu Ann Thomas, EC				23530	2456	25986
15	Ramnath P., ME				23530	3369	26899
16	Rekha V.R., IT				23530	3380	26910

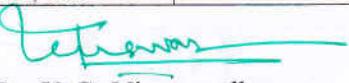
  
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Member Secretary

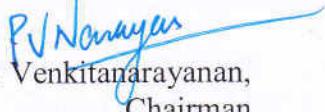
  
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Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
17	Soumya K.G., EEE				23530	3333	26863
18	Sreekala V., EEE				23530	3333	26863
19	Tharun Moorthy, CS				23530	2476	26006
20	Dr. Angel Viji K.S., CS				26295	1779	28074
21	Dr. Rini Jones S.B., EC	Telecom Network Architecture	BSNL Regional Telecom Training Centre, Thiruvananthapuram	14/11/16	26295	1779	28074
22	Pradeep T.S., EI				26295	1976	28271
23	Silpa S. Prasad, EC			19/11/16	26296	1710	28006
24	Dr. K.G. Viswanadhan, Principal	Personality Development, Capacity Building and Office Administration	ISTE at Hotel Bliss, Tirupati		25/11/16 – 26/11/16	18500	19795
							619062

Table 2

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
1	Anu Michael, EE	Power Industry Familiarization Program for Civil Engineering Faculty	PETARC, Moolamattom	15/11/16	13800	345	14145
2	Johnson Abraham Mundackal, EE			17/11/16	13800	345	14145
3	Anitha R., CS					1304	1304
4	Jyothis Joseph, CS	Administration and Networking in Linux	RIT, Kottayam	05/12/16 – 09/12/16		1304	1304
5	Rekha K.S., CS					1304	1304
6	Jismi Babu, EC			05/12/16	3000	2845	5845
7	Syama R., EC	Computational Bioinformatics	CE Adoor	– 09/12/16	3000	2595	5595
8	Dr. K.S. Angel Viji, CS				35000	1590	36590
9	Dr. Rini Jones S.B., EC	Hands on Training in Open Source Tools for Kernel Programming & Administration	IHRD, Thiruvananthapuram	05/12/16 – 09/12/16	35000	1590	36590
10	Lidiya Augustine, CS				35000	5000	40000
11	Saji Justus, EI				35000	1500	36500
12	Simi Susan Samuel, CS				35000	5000	40000

  
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Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
13	Arun R. Chandran, EC	Power Control Equipment Familiization Program	PETARC, Moolamattom	05/12/16	13800	200	14000
14	Febin P.A., EC				13800	1000	14800
15	Indhu P. Nair, EEE				13800	200	14000
16	Silpanjali Gopal, EEE			07/12/16	13800	200	14000
17	Soumya K.G., EEE				13800	200	14000
18	Sreekala V., EE				13800	200	14000
19	Remyamol R., IT	Practical Applications of Data Mining, IBM-Bluemix and IBM-Watson	NIT Goa	05/12/16 – 09/12/16	6000	37000	43000
20	Silpa S. Prasad, EC	Digital Signal Processing	IIT Gandhinagar	06/12/16 – 09/12/16		8000	8000
21	Arya B. Raj, EI	Control Valves and Actuators	FCRI, Palakkad	07/12/16 – 09/12/16	17750	5600	23350
22	Darsana U., EI				17750	5600	23350
23	Ramkumar M.U., EI				17750	5600	23350
24	Dinu A.G., EI	Image Processing and Computer Vision	CE, Pune	12/12/16 – 16/12/16		23472	23472
25	Muhammed Nizar B.K., IT					23966	23966
26	Saji Justus, EI	Bosch Automotive Joint Certification Program	GEC, Barton Hill	13/12/16 – 16/12/16	3500	1500	5000
27	Akhil Kumar S., EC	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	14/12/16 – 16/12/16	13800	1000	14800
28	Dhanya Narayan, EC				13800	1000	14800
29	Dr. K.S. Angel Viji, CS				13800	200	13800
30	Dr. Rini Jones S.B., EC				13800	200	14000
31	Gitty Rose Eugine, CE				13800	1500	15300
32	Naveena Johnson, EI				13800	1000	14800
33	Prittu Ann Thomas, EC				13800	1000	14800
34	Saima Mohammed Ali, EI				13800	1000	14800
35	Savitha Suresh, EC				13800	1000	14800

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
36	Silpa S. Prasad, EC				13800	2200	16000
37	Harikrishnan K.R., ME	Fundamentals and Applications of FEM in Engineering Analysis	CE Thalassery	18/12/16 — 23/12/16	3000	6340	9340
38	Wringle Joseph Kuttianimattom, ME				3000	6340	9340
39	Alish Viji Varghese, Maths	Applied Mathematics in Engg.	CE Poonjar	19/12/16 — 23/12/16	35000	1100	36100
40	Anitha R., CS				35000	1355	36355
41	Binimol V.K., EE				35000	1355	36355
42	Jasmi M.S., EE				35000	1355	36355
43	Jismi Babu, EC				35000	1355	36355
44	Jyothis Joseph, CS				35000	1355	36355
45	Rekha K.S., CS				35000	1355	36355
46	Rekha V.R., IT				35000	2000	37000
47	Sonima M.P., EE				35000	1355	36355
48	Sreekala V., EE				35000	1355	36355
49	Syama R., EE				35000	1355	36355
50	Dheeraj N., CS				28750	7500	36250
51	K.S. Angel Viji, CS	Cyber Forensics	C-DAC Campus, Vellayambalam, Thiruvananthapuram	19/12/16 — 23/12/16	28750	3000	31750
52	Rini Jones S.B., EC				28750	3000	31750
53	Sonia Tresa Paul, CS				28750	7500	36250
54	Bindiya Hari P., CE					750	750
55	Mary James Kappan, CE	Mathematical Modelling of Transport in Fluids	RIT, Kottayam	20/12/16 — 22/12/16		750	750
56	Sunish Kurian, ME					990	990
57	Amrutha Ramachandran, EI						
58	Manu Francis, EI	Robotic System: Design, Analysis & Fabrication	IIT Ropar	20/12/16 — 30/12/16	5000	25000	30000
59	Archamol P.S., IT				5000	25000	30000
60	Emi Francis, CS	Power & Control Equipment Familiarization Program	PETARC, Moolamattom	21/12/16 — 23/12/16	13800	1900	15700
61	Krishnaveni V.V., IT				13800	1900	15700
62	Sruthy R.S., IT				13800	1900	15700
							1350285

**Decision Needed:** The board may kindly ratify the above programmes.

**Resolution:** The board ratified all the programmes in Table 1, and for programmes in Table 2, ratified the programmes and not the amount, as some of the programs are ongoing and they are not settled completely. The board also directed to keep these programme in next BoG for ratification of amount after settling them.

### B2.2 Staff

Details of the staff who were permitted to attended outstation programmes without the prior approval of BoG are given in below table.

**Table 1**

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
1	Minimol M.G., Assistant	Automated Accounting using Tally ERP 9 Solution	CE Chengannur	04/10/16	15000	546	15546
2	Sheril A., Assistant Gr.II			— 06/10/16	15000	546	15546
3	Saji K. Vettathu, Librarian	ISTE-WPLP Workshop on Personality Development, Capacity Building and Office Administration	Organized by ISTE at Hotel Bliss, Tirupati	25/10/16 — 26/10/16	18500	3851	22351
4	Bili K. Nair, Jr. Supdt.	Finance for Nonfinancial Officials	Organized by Jaipur Productivity Centre at Hotel Lapaz Gardens, Goa	07/11/16 — 11/11/16	45425	4489	49914
5	Kala B. Nair, Assistant Gr. II				45425	1652	47077
6	Sujimol K.K., Asst. Engineer				45425	4389	49814
							201198

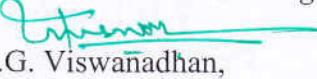
**Table 2**

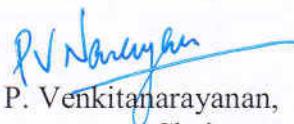
Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
7	Anila Raj P., Assistant Gr.II	Service Rules, MoP and Financial Accounting	CE, Cherthala	20/10/16 — 22/10/16	300	650	950
8	Anusha P.A., Instructor	Power and Control Equipment Familiarization Program	PETARC, Moolamattom	05/12/16 — 07/12/16	13800	1000	14800
9	M.G. Ninan, A.O.				13800	1000	14800
10	Pratheesh P.S., Tradesman				13800	1000	14800
11	Remisha Remanan, Instructor				13800	395	14195

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
12	Saji K. Vettathu, Librarian				13800	1000	14800
13	Selvaraj A.A., Tradesman				13800	1000	14800
14	Sudheesh K., Tradesman				13800	345	14145
15	Sunilkumar E.S., Peon				13800	1000	14800
16	Anoop Chandran, Assistant	Financial and Service Rules	CE Karunagappally	14/12/16 – 17/12/16	1000	1000	2000
17	Bili K. Nair, Jr. Supdt.				1000	1000	2000
18	Anusha P.A., Instructor	Operation, Maintenance and Performance Monitoring of Centrifugal Pumps and Compressors			17250	5500	22750
19	Pratheesh P.S., Tradesman		ESCI, Hyderabad	14/12/16 – 16/12/16	17250	5500	22750
20	Selvaraj A.A., Tradesman				17250	5500	22750
21	Deepthi P.S., Computer Operator				13800	2000	18800
22	Prasadkumar K.P., Overseer	Power and Control Equipment Familiarization Program	PETARC, Moolamattom	14/12/16 – 16/12/16	13800	1000	14800
23	Ramachandran G., Electrician				13800	800	14600
24	Sabu P.L., Peon				13800	500	14300
25	Shinu Jacob, Tradesman				13800	2000	18800
26	Deepthi P.S., Computer Operator	Cyber Forensics	C-DAC Campus, Vellayambalam, Thiruvananthapuram	19/12/16 – 23/12/16	28750	3500	32250
27	Anoop Chandran V., Assistant	Power & Control Equipment Familiarizaion Program	PETARC, Moolamattom	21/12/16 – 23/12/16	13800	1000	14800
28	Sheril A., Assistant Gr.II				13800	1000	14800
							332540

**Decision Needed:** The board may kindly ratify the above programmes.

**Resolution:** The board ratified all the programmes in Table 1, and for programmes in Table 2, ratified the programmes and not the amount, as some of the programs are ongoing and they are not settled completely. The board also directed to keep these programme in next BoG for ratification of amount after settling them.

  
Dr. K.G. Viswanadhan,  
Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman

### B2.3 Inhouse Program

Details of the programmes conducted for faculty members without the prior approval of BoG are given in below table.

**Table 1**

Sl. No.	Dept	Name of Programme	Details of Expert	Date	Expense
1	EI	Automation & Control	Abi P. Mathew, HoD, SJ CET Pala + 6 other experts	03/10/16 — 08/10/16	73978

**Table 2**

2	All	Planning Towards Future Development	Prof. K. Narayanan, Former SPFU Director	03/10/16	16000
3	EI	Signal Processing and its Application	Dr.M.V. Rajesh, Asso. Prof., ISSAT, Moovattupuzha + 6 other experts	23/11/16 — 29/11/16	90000

**Decision Needed:** The board may kindly ratify the above programmes.

**Resolution:** The board ratified all the programmes in Table 1, and for programmes in Table 2, ratified the programmes and not the amount, as some of the programs are ongoing and they are not settled completely. The board also directed to keep these programme in next BoG for ratification of amount after settling them.

### B2.4 EAP

Details of the programmes conducted for students without the prior approval of BoG under EAP are given in below table.

**Table 1**

Sl No .	Dept	Name of Programme	Details of Expert	From	Class & Sem	No of participants	Expenses
1	CE	Guidance on Project Work	Dr. Praveen, Prof., RIT	27/09/16	S7	45	4110
2	EI	Automation using PLC Programming	Mr. Dayal N.D., Asst. Proff.	04/10/16	S7	25	4461
3	CS	Image Processing and its Applications using MATLAB	C. Seldev Christopher, Prof., St. Xaviers Catholic College of Engg., Nagercoil	05/10/16 — 06/10/16	Mtech S1, S2	13	12538
							21109

**Table 2**

Sl No.	Dep t.	Name of Programme	Details of Expert	From	Clas s & Sem	No of participants	Expenses
1	Appl ied Scie nce	Concepts & Laws of Business Economics	1. Arun, Prof. in MBA, 2. Swapnesh S., AP in ME, RIT, 3. Tincy Rose, AP in Commerce		S3EC ,EEE, EI	50	24844
2	CS	Brain Booster	Binoshi Samuvel, AP, AJCE	01/08/16	S5 & S7	60	6150
3	CE	Stress Management for Professional Growth	Anoop K.V., Councillor	07/10/16	S3	45	6640
4	EI	Process Identification Methods	Lalu Seban, NIT Silchar	24/10/16	S7	30	30305
5	CE	Application of Basic Concepts of Sustainable Engg. in Society	Shibu Krishnan, AP, CET	04/11/16	S1 EI, CE	45	6990
6	CE	Practical Applications of Sustainability	Shibu Krishnan, AP, CET	19/11/16	S1 CS/IT	33	6842
							121395

**Decision Needed:** The board may kindly ratify the above programmes.

**Resolution:** The board ratified all the programmes in Table 1, and for programmes in Table 2, ratified the programmes and not the amount, as some of the programs are ongoing and they are not settled completely. The board also directed to keep these programme in next BoG for ratification of amount after settling them.

### B2.5 III Cell

Details of the programmes conducted for students without the prior approval of BoG under III are given in below table.

Sl No.	Dept.	Name of Programme	Details of Expert	From	Class & Sem	No of participants	Expenses
1	EDC	Enterpunership Development	Rajan	26/08/16	S7 all	103	4390
2	EC	PCB Design & Arduino Programming	Arun Mohan & Unnikrishnan G., Project Leader, Elementz Engineers Guild Pvt. Ltd.	05/09/16 — 07/09/16	S5	56	27930
3	CE	Introduction and Hands on Training in CAD	Experts from solid cad, Kottayam	27/09/16	S5	64	30752
4	EC	Radiofrequency Planning & Optimization	Arun A.T., SDE, BSNL Kottayam	30/09/16	S7, M.Tech	23	5180
5	CE	STAAD & Prima Vera	Harikrishna Das, Vishnu Ramesh, Gokul Sasidharan, Tittoo Varghese	14/10/16 20/10/16	S7	55	29542
6	EC	Embedded System Design	Thomas Sabu, Shibili Rahman, Neo Green Labs	20/09/16 22/09/16 23/09/16 24/09/16	S5, S7 EC & EI	30	18091
							115885

Table 2

Sl No.	Dept.	Name of Programme	Details of Expert	From	Class & Sem	No of participants	Expenses
1	EDC	DuckDuckGo Hackthon	1. Gautham Krishna R., Community Leader at Duckduckgo, 2. Jithin Anchanattu, Chief Executive Officer, Probuk Solutions LLP, 3. Jomon Thomas Lobo, Android Developer, Probuk Solutions	22/10/16		60	11950
2	CE	Industrial Applications of Concepts of Sustainability	Er. Tom Thomas, Sustainability Manager, Louis Berger	31/10/16	S1 EI, CE	55	3530

3	CS	PHP Programming	Anil S., Senior Programmer, Qburst	19/12/16 21/12/16 04/01/17	S6	63	21000
4	IT	Programming Methodologies	Jishnu V.V., Senior Software Developer	01/08/16	S1, S2, S3, S5, S7	74	6660

**Decision Needed:** The board may kindly ratify the above programmes.

**Resolution:** The board ratified all the programmes in Table 1, and for programmes in Table 2, ratified the programmes and not the amount, as some of the programs are ongoing and they are not settled completely. The board also directed to keep these programme in next BoG for ratification of amount after settling them.

### 22.BoG.B3. Qualification Upgradation – Approval of the Fees of Faculty Pursuing Higher Studies

Request has been received from faculty for reimbursing their course fee paid by them for pursuing their M.Tech/PhD. Finance Committee sanctioned the reimbursement of course fee of the requested faculty members as per the details given below.

Sl No	Name of Faculty	Details of Course	Details of Fee Already Paid	Amount of Course fee to be sanctioned							
				Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 7	Total	
1	Ramnath P.	M.Tech CUSAT		14115	14115	14115					42345
2	Ojus Thomas Lee	Ph.D. NIT, Calicut	49620							8100	8100
3	Indhu P. Nair	Ph.D. GEC Thrissur	31770				13620				13620
4	Mohammed Ameen	M.Tech, CUSAT	48970				15780				15780
5	Dhanya Narayan	Ph.D., CUSAT	12485					1655			1655
<b>Total</b>											<b>81500</b>

**Decision Sought:** The board may kindly approve and permit to reimburse the amounts.

**Resolution:** The board permitted to reimburse the amounts as per the details in the above table.

  
Dr. K.G. Viswanadhan,  
Member Secretary

  
Dr. P. Venkitanarayanan,  
Chairman

## 22.BoG.B4. Conference Paper Presentation

The following students have requested to attend International Conference as per the details given in the below table and to meet their expense from TEQIP fund.

Sl. No	Details of Conference	Name of Paper	Name of Students	Details of Expenses			
				Regis- tration Fee	Travelling Expense	Accom- modation	Total
1	National Conference on Recent Trends on Computing from 19-21 <sup>st</sup> Dec 2016 at Mohandas College of Engineering, Thiruvananthapuram	Survey on Connection Discovery using Non-user Generated Tagging on User Shared Images	Chippy Jacob M.Tech (S4)	750	500	1500	2750
2		A Survey on Saliency Detection	Archa M. M.Tech (S4)	750	500	1500	2750
3		Survey on Automatic Detection of Glaucoma Based on Eye Images	Rakhi Ramachandran Nair (M.Tech (S4))	750	500	1500	2750
4		Survey on Image Protection and Self recovery using Watermark Algorithm	Kripa Biju (M.Tech (S4))	750	500	1500	2750
5		Survey on Privacy-Preserving Public Auditing for Regenerating-Code-Based Cloud Storage	Tessy Vincent (M.Tech (S4))	750	500	1500	2750
6		Survey on Depth Map Pre-processing Techniques in Depth Image Based Rendering	Sruthy Thomas (M.Tech (S4))	750	500	1500	2750

Sl. No	Details of Conference	Name of Paper	Name of Students	Details of Expenses			
				Regis- tration Fee	Travelling Expense	Accommo- dation	Total
7		Survey on Search Systems for Extracting and Searching in Scholarly Big Data	Veena G. (M.Tech (S4))	750	500	1500	2750
							19250

**Decision Sought:** The board may consider this and permit to meet this expenditure from TEQIP fund under the head IOC.

**Resolution:** BoG approved and permitted the payment from IOC.

## 22.BoG B5. Approval of ToR's

### B5.1 Approval for service procurement of Quantitative Aptitude training for students and its ToR

Quantitative aptitude is a very essential part of any recruitment activity or competitive exams. As such, training on quantitative aptitude for all the students of our institution will be useful. Due to the large number of students who are to be trained, the estimated expenditure for the training programme is Rs. 8,00,000 (Rupees Eight Lakhs) and it is essential that we go for procurement of service. The procurement of service has to be initiated based on the terms of reference (ToR). The ToR prepared by us is attached as Annexure 1

**Decision Sought:** The board may kindly approve the ToR and permit the service procurement.

**Resolution:** The Terms of Reference for the programs were circulated for approval, but the board decided to discuss in detail in the next BoG.

### B5.2 Approval for ToR for ISO Certification

As the college is planning to go for ISO Certification, the ToR for the same has to be approved in the BoG. The ToR is circulated along with the Agenda as Annexure 2.

- **Decision Sought:** The board may kindly approve the ToR.

**Resolution:** The Board approved the ToR after making necessary corrections.

### B5.3 Approval for ToR for Finishing School

As per government order for conducting programmes under Finishing School the ToR has to be approved by BoG. The TOR prepared for the same is circulated along with the Agenda as Annexure 3.

**Decision Sought:** The board may kindly approve the ToR for future programmes and for the programmes already conducted under Finishing School.

**Resolution:** The Terms of Reference for the programs were circulated for approval, but the board decided to discuss in detail in the next BoG.

### B5.4 Approval for Tor for High Intensity Training Programme

The following departments are planning to conduct high intensity programmes as detailed below.

Sl. No.	Dept.	Name of Programme	Date	Estimated Amount
1	CS	Java and Android Programming	01/02/17 – 28/02/17	900000
2	EC	Desktop & Server Administration	09/01/17 – 03/02/17	800000

The ToR for the same is attached as annexure 4 and 5 respectively.

**Decision Sought:** The board may kindly approve the ToR.

**Resolution** The Terms of Reference for the programs were circulated for approval, but the board decided to discuss in detail in the next BoG.

#### **22.BoG.B6 Accreditation for Dept. of Civil Engineering**

Department of Civil Engineering has requested to apply for accreditation for the Civil Engineering Program.

**Decision Sought:** The board may permit to apply and to meet the expense from TEQIP II fund.

**Resolution:** The Board discussed and permitted the Department of civil Engineering to apply for Accreditation.

#### **22.BoG.B7 IDP for TEQIP III**

The IDP for TEQIP Phase III was circulated among all the members via email. The same is circulated along with agenda.

**Decision Sought:** The board may kindly discuss the IDP and approve it.

**Resolution:** The discussion postponed to next BoG.

#### **22.BoG.B8 Change of Nodal Officers**

Nodal Officer Academic is on Maternity Leave. As the project is nearing to an end there is heavy rush for academic activities. In this situation the Academic Nodal Officer was replaced as given in table below.

Sl. No.	Post (Nodal Officer)	Existing	New
1	Academic	Smt. Priya M., AP in EC	Smt. Sreelakshmi S., AP in Maths

**Decision Sought:** The board may ratify and approve the change.

**Resolution:** Noted

**Part C  
Reports**

**C1. The status of fund position as on 30/11/2016**

Fund utilization status for the allotted 100 Lakh is presented in table given below

Sl. No.	Activity/Category of Expenditure	Total Budget (in lakh)	Interest (in lakh)	Amount as on 30.06.16	Amount as on 30.11.16	Amount Spend after the last BoG	Committed	Balance to spend (including interest)
1	Improvement in teaching, training and learning facilities	550	14	481.28	562.25	80.97		2
2	Providing Assistantship for increased enrolment in existing and new PG	100	3	49.67	56.55	6.88	4.32	42
3	Enhancement of R&D and Institutional Consultancy activities	20	1	1.26	1.37	0.11		19
4	Faculty and Staff Development (FSD)	100	3	81.07	92.45	11.38	11.85	-2
5	Enhanced Interaction with Industry	40	1	6.68	9.06	2.38	1.36	31
6	Institutional Management Capacity Enhancement	30	1	1.64	6.44	4.8	1.46	23
7	Academic Reforms	20	1	13.99	13.99	0		7
8	Academic Support for weak students	40	1	16.66	21.63	4.97	0.96	18
9	Incremental Operating Cost	100	3	47.88	55.66	7.78	1.3	46
<b>TOTAL</b>		<b>1000</b>	<b>26</b>	<b>700.13</b>	<b>819.4</b>	<b>119.27</b>	<b>21.25</b>	<b>185.558</b>

**Decision Sought:** For the information of BoG.

**Resolution:** Noted.

Dr. K.G. Viswanadhan,  
Member Secretary

Dr. P. Venkitanarayanan,  
Chairman

## Part D

### Any other item with the permission of the chair

#### D1. Reallocation of the fund allotted

The initial fund allocation by NPIU for academic activities (except procurement and IOC) was reallocated taking into consideration the existing expenditure pattern as mentioned below.

Sl. No.	Activity/Category of Expenditure	Total Budget (in lakh)	Reallocated Budget
1	Improvement in teaching, training and learning facilities	550	550
2	Providing Assistantship for increased enrolment in existing and new PG	100	75
3	Enhancement of R&D and Institutional Consultancy Activities	20	5
4	Faculty and Staff Development (FSD)	100	150
5	Enhanced Interaction with Industry	40	20
6	Institutional Management Capacity Enhancement	30	20
7	Academic Reforms	20	20
8	Academic Support for weak students	40	60
9	Incremental Operating Cost	100	100
		1000	1000

The meeting came to a close at 2. pm.

**TECHNICAL EDUCATION QUALITY IMPROVEMENT  
PROGRAMME Phase - II**

**Terms of Reference (ToR)**

For  
**Consultancy Service for Development and Implementation of  
Quality Management System, ISO 9001:2015**

**COLLEGE OF ENGINEERING KIDANGOOR  
KIDANGOOR SOUTH P.O  
KOTTAYAM  
KERALA  
PIN:686583**

## **Terms of Reference (ToR)**

for

# **Consultancy Service for Development and Implementation of Quality Management System, ISO 9001:2015**

## **Technical Education Quality Improvement Programme-Phase-II**

### **BACKGROUND**

The Ministry of Human Resource Development (MHRD), Government of India in the year 2002 conceived and designed the Technical Education Quality Improvement Programme (TEQIP) as a long term programme for implementation in 2 to 3 phases over duration of 10-12 years for systemic transformation of the technical education system. TEQIP Phase-I commenced in March 2003 and was successfully completed in March, 2009, covering 127 institutions. Encouraged by the highly significant achievements of Phase-I of the Programme, the Government of India has decided to implement Phase-II of the Programme through MHRD. One key component of the Phase-II Project is **Implementation of institutional reforms**. Accreditation of eligible UG & PG programs is one of the key performance indicators of this project.

Accreditation of programs is one of the quality assurance mechanisms. The accreditation target to be achieved by the end of the Second Project-Year is 60% of the eligible UG and PG programs (obtained and applied for) and 100% accreditation (obtained and applied) for the eligible UG and PG programs by the end of the Project. Institutions need to take appropriate actions to obtain accreditation of eligible PG and UG programs within the specified timeframe and also for renewal of accreditation during the Project period.

Development of processes and implementation of quality management system in line with ISO 9001:2015 will help the institution for accreditation process as well as establishment of quality system in the institution.

### **SCOPE OF WORK**

1. Awareness training programs to all faculty and supporting staff members, with around 25 members.
2. Documentation support for preparation of the quality manual, procedures and formats.

*P.V.Narayana*

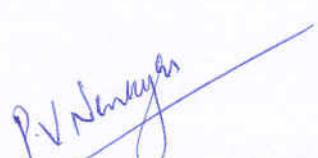
3. Documentation support in accordance with NBA Accreditation Procedure.
4. Software support for all academic & administrative management system.
5. Internal auditor training for around 25 members.
6. Minimum 2 internal audit support.
7. Follow up support after internal audit.
8. Follow up support after external audit.
9. 18 months support from the date of commencement of the project.

### **EVALUATION & SELECTION**

The selection of agencies will be on the basis of procurement norms of TEQIP II, Quality and Cost Based Selection (QCBS).

The RFP shall request the eligible consultants to provide their best technical and financial proposals in separate envelopes. Selection will be based on a combined evaluation of technical proposal and financial proposal. The total score shall be obtained by weighing the quality and cost scores and adding them. The firm obtaining highest total score shall be invited for the negotiations. Technical evaluation will be by a pointing system, where weightage is given for different parameters. The parameters are given below.

Parameters	Points	Max. point
Past experience of similar nature in terms of no of assignments (Facilitation in ISO Implementation projects)	10 points per assignment	50
Professional Experience	5 points per year	15



Team leader qualification	<ul style="list-style-type: none"> <li>• Graduation and 20 qualified lead assessor <b>(10 points)</b></li> <li>• Post-graduation/Engineering qualification and qualified lead assessor <b>(20 points)</b></li> </ul>
<b>Team Size</b>	<ul style="list-style-type: none"> <li>• 2 points per person 10</li> </ul>
<b>Certifications by central/state govt agencies</b>	<ul style="list-style-type: none"> <li>• 2.5 points per 5 certification</li> </ul>
Total	100

### **PAYMENT TERMS**

1. On completion of the awareness trainings: 20% of the project value
2. On Completion of the initial documentation: 20% of project value
3. After first internal audit: 25% of project value
4. After certification audit: 35% of the project value

### **EVALUATION & MONITORING**

There will be an evaluation committee authorised by college. The following members were present in that Committee.

- |                            |  |
|----------------------------|--|
| 1) Dr. K.G. Viswanadhan    | Principal                              |
| 2) Mrs. Jisha Balakrishnan | TEQIP Coordinator                      |
| 3) Mr. Vivek Raju          | TEQIP Coordinator                      |
| 4) Dr Rini Jones S.B       | ISO Coordinator, Asso. Prof & HOD -ECE |
| 5) Mr. Sunish Kurien       | Finance Nodal Officer                  |
| 6) Mr. Saji Justus         | Procurement Nodal Officer              |
| 7) Mrs. Sreekala           | Accademic Nodal Officer                |
| 8) Mrs. Sonima M.P         | EAP Nodal Officer                      |
| 9) Mrs. Gitty Eugene       |  |

10) Mr. Joby James	Finishing School Nodal Officer
11) Mr. Pradeep T.S.	Research Nodal Officer
12) Mrs. Bindya Hari	Civil Works Nodal Officer

### **GENERAL TERMS AND CONDITION**

1. Training is to be imparted at College of Engineering Kidangoor.
2. All the expenditure incurred in preparation/ submission or presentation of EOI and proposal shall be borne by the participating training providers.
3. All the expenditure toward lodging, boarding and conveyance of the resource persons shall be borne by the training providers.
4. Participation in this EOI does not guarantee any association with CE Kidangoor unless notified by CE Kidangoor in writing.
5. An Undertaking (Self Certificate) is to be submitted that the organization hasn't being black listed by any Central/State Government Department/Central Government Funded Organizations/State Government Funded Organization/World Bank, or other World Bank Organizations (including the UN Organizations) and is not under investigation by Government or UN Member State Government.
6. CE Kidangoor reserves the right of rejecting any offer without assigning reasons.
7. There is no business guarantee / commitment from CE Kidangoor to the appointed/ empanelled training providers.

### **COPIES OF RESPONSE**

The firm must submit one hard copy and one soft copy of their response to this invitation to the designated point of contact.

### **DESIGNATED POINT OF CONTACT**

Principal  
 College of Engineering Kidangoor  
 Kidangoor South P.O.,  
 Kottayam - 686583

### **Annexure**

Format for experience profile of resource persons on the training provider's team

1. Name:
2. Address and contact details:
3. Company Profile:



4. Educational Qualifications of the main consultants:
5. ISO Assignment details in Govt. and reputed institutions (Minimum 5 Educational institutions):

PV Nandagopal