

Minutes of the 19<sup>th</sup> meeting of the Board of Governors held on 11<sup>th</sup>  
March 2016 at College of Engineering Kidangoor

**Members Present**

1. Dr. P. Venkitanarayanan, Chairman
2. Dr. K.G. Viswanadhan, Member Secretary
3. Dr. S. Anilkumar, Public Relations Director, CUSAT
4. Sri. Harilal K.G., Rtd. Professor, N.S.S. College of Engineering
5. Sri. N.J. Mathew, Director, Esbesons Engineering. Pvt. Ltd.
6. Sri. Mohanakrishnan A., General Manager, RUBCO
7. Sri. K.A. Sugathan, Senior F.O., CAPE

**Also Present**

1. Vivek Raju, TEQIP Coordinator
2. Jisha Balakrishnan, TEQIP Coordinator
3. Dr. Rini Jones, HOD Electronics and Communication
4. Binimol V.K., HOD Electrical and Electronics
5. Sanoj R., HOD Information Technology & III Cell Nodal Officer
6. Sonima M.P., EAP Nodal Officer
7. Syamesh K.G., Academic Nodal Officer
8. Joby Mathew, Finishing school Nodal officer.
9. Saji Justus, Nodal Officer Procurement

**Minutes**

The meeting started at 10.15 am with a silent prayer. Principal, Dr. K.G. Viswanadhan welcomed the Chairman and all other members to the meeting. He introduced to the board the events that happened since the last 18<sup>th</sup> BoG meeting. He mentioned regarding the various academic and non-academic activities that happened in the college campus. He briefed that Lumeire 16 was

conducted very successfully and also the sports day was conducted successfully. He also mentioned about the performance of students in the exam conducted by KTU. He informed that after the last BoG, there was some issue regarding the transfer of the Finance Nodal Officer Sri. Vinod P, hence the activities were slow. Two of the BoG members representing the college have changed. The Principal also mentioned about TEQIP III and informed that a Workshop for TEQIP III was attended by all HoDs at Vadakkara. The Board expressed their happiness over the achievements of college. The Chairman, Dr. P. Venkitanarayanan in his opening remarks thanked Principal for the elaborate introduction. He commented that the first year transition was reasonably well and he gave Best Wishes for the future exam. He also asked to update the rank holders list displayed in college. Regarding the transfer of Sri. Vinod P., Chairman suggested that a mechanism should be provided by which one more person can be attached to key posts like finance. The Chairman commented that TEQIP III is good but lessons should be taken from the experiences in TEQIP II. He suggested that it is good to take an evaluation in improvement in infrastructure and other academic levels before preparing IDP for TEQIP III to make the functioning smooth. He asked to assess the goals achieved, the challenges faced during TEQIP II for planning for TEQIP-III. He also mentioned to clarify regarding the term of BoG Members in the BoG of the college. Board also suggested that key posts should have supporting faculty to take care of sudden situations like transfer.

**19.BoG.A1. Confirmation of the Minutes of the 18<sup>th</sup> Meeting of the Board of  
Governors held on 16.12.2015 at CEK Kidangoor**

The Minutes of the 18<sup>th</sup> meeting of Board of Governors of TEQIP Phase II on 16.12.2015 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:** The Board confirmed the minutes.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

### 19.BoG.A2. Action Taken Report

The decisions taken by the Board as recorded in the Minutes of the 18<sup>th</sup> Meeting of the Board of Governors of TEQIP Phase II held on 16.12.2015 have been noted and actions have been initiated. A report on the action taken and actions pending is presented below.

No.	Resolution					Action Taken
18. BoG. B1.1.1	Sanction was sought to attend the following outstation training programs for faculty.					Postponed and Faculty transferred to Vadakara  Postponed by the organization to April  Attended  Not attended due to personal reason
Sl. No	Name	Topic	Institution	Date	Amt	
1	Vinod P.	Industrial Automation	Bosch Rexroth Training Centre, CET	04/01/16 13/01/16	29000	
2	Sunish Kurian	Industrial Automation	Bosch Rexroth Training Centre, CET	04/01/16 13/01/16	29000	
3	Saji Justus	Industrial Automation	Bosch Rexroth Training Centre, CET	04/01/16 13/01/16	29000	
4	Salini M. Venugopal	Power Industry Familiarization	PETARC, Moolamattom	11/01/16 13/01/16	11000	
5	Sonima M.P.	Power Industry Familiarization	PETARC, Moolamattom	11/01/16 13/01/16	10345	
6	Raji Reghunathan	Power Industry Familiarization	PETARC, Moolamattom	11/01/16 13/01/16	10307	
7	Sithara A.	Power Industry Familiarization	PETARC, Moolamattom	11/01/16 13/01/16	11000	

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

		on				Not attended due to personal reason
8	Shincy P. Kunjumon	Power Industry Familiarization	PETARC Moolamattom	11/01/16 13/01/16	11000	
9	Pradesh Kumar D.	Recent advances in High Voltage Engineering	CE Trivandrum	04/01/16 08/01/16	4000	
10	Binimol V.K.	Short Term Training Programme On Control of Power Converters & Drives	RIT, Pampady	04/01/16 09/01/16	1500	Attended
11	Sonima M.P.	Short Term Training Programme On Control of Power Converters & Drives	RIT, Pampady	04/01/16 09/01/16	1500	
12	Ajan A.	Simulink for System and Algorithm Modeling	Mathworks, Bangalore	11/02/16 12/02/16	30000	Not attended due to series examination
13	Jibin Joseph	Simulink for System and Algorithm Modeling	Mathworks, Bangalore	11/02/16 12/02/16	30000	
14	Anith Krishnan	International Conference on Intelligent Systems and Control	Karpagam College of Engineering, Coimbatore	07/01/16 08/01/16	11650	Attended
15	Ramnath P.	Design Engineering	CE Cherthala	28/12/15 01/01/16	1400	Not attended due to KTU valuation
16	Salini M. Venugopal	Smart Grid	CPRI, Bangalore	01/02/16 05/02/16	47150	

  
Dr. K.G. Viswanadhan  
Member Secretary

  
Dr. P. Venkitanarayanan  
Chairman

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

	17	Sithara A.	Smart Grid	CPRI, Bangalore	01/02/16 05/02/16	47150	Not attended due to GATE entrance exam
	18	Sabna Mohanan	International Conference On Emerging Trends In Engineering And Management	SNGCE, Kolenchery	12/01/16 13/01/16	5608	Attended
	19	Bindiya Hari P.	International Conference On Emerging Trends In Engineering And Management	SNGCE, Kolenchery	12/01/16 13/01/16	1608	
	20	Saji Justus	Automotive Embeded Systems and Communication Protocols	PSG College of Technology, Coimbatore	13/02/16	2750	Not attended due to duties at college
	21	Anith Krishnan	Automotive Embeded Systems and Communication Protocols	PSG College of Technology, Coimbatore	13/02/16	2750	Not attended due to ill health

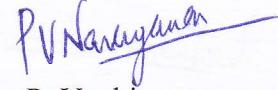
Resolution : The board approved all the proposals and asked that the faculty to adjust their classes before going for outstation programs.

18. BoG. B1.1. 2	Sanction was sought to attend the following outstation training programs for technical staff.					
Sl. No	Name	Topic	Institution	Date	Amt	
1	Vijayakumar A.	Power Industry Familiarization	PETARC , Moolamattom	11/01/16 13/01/16	10307	
2	Haridas P.S.	Power Industry Familiarization	PETARC , Moolamattom	11/01/16 13/01/16	10345	Attended

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

	3	Rejani K.B.	Power Industry Familiarization	PETARC , Moolamattom	11/01/16 13/01/16	10307	Attended		
	4	Deepu K.R.	Power Industry Familiarization	PETARC , Moolamattom	11/01/16 13/01/16	10307			
<b>Resolution :</b> The board approved all the proposals.									
18. BoG. B1.1. 3	Sanction was sought to conduct the following in house programmes for faculties.						Postponed to the semester break		
	Sl. No	Dept	Topic/ Details of Expert		Date	Amount			
	1	Appl Scie	SPARK (Motivational Programmes for Teachers & Staff, Sri. Anoop K.V., Psychologist		04/01/16 05/01/16	10000			
	2	EEE	Generation Transmission and Effective Utilization of Power, Engineers from KSEB		03/03/16 05/03/16	60000			
<b>Resolution :</b> The board approved all the proposals and directed to verify the qualification of the experts.									
18. BoG. B1.2	Sanction was sought to attend the following outstation management capacity enhancement training programs								
	Sl. No	Name	Topic	Institution	Date	Amt			
	1	Dr. K.G. Viswanadan, Principal	Conflict Resolution Negotiation and Communication	IIM Calcutta	28/01/16 30/01/16	90000			
	2	Rekha V.R.	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000			
	3	Jyothis Joseph	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000			
	4	Mary Priyanka K.S.	Management	IIM Kozhikode (Cochin)	28/01/16 30/01/16	38000			

  
Dr. K.G. Viswanadhan  
Member Secretary

  
Dr. P. Venkitanarayanan  
Chairman

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

			Campus)			
5	Sonima M.P.	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000	
6	Binimol V.K.	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000	
7	Bindiya Hari P.	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000	
8	Shincy P. Kunjumon	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000	
9	Anu S. Mattom	Management	IIM Kozhikode (Cochin Campus)	28/01/16 30/01/16	38000	

Resolution : The board rejected the proposals and directed to go only for courses organized by NPIU.

18. BoG. B1.3	Sanction was sought to conduct the following expert sessions for students.					
	Sl. No	Dept	Topic/Details of Expert	Date	Class	Amount
	1	EC	Microprocessors Silpa S. Prasad, AP, CE Aranmula	19/02/16	S4	5500
	2	EE	System Level Design for Student Projects Dr. T.K. Mani, Principal, KMEA College of Engineering, Ernakulam	29/12/15	S6	7000
	3	Applied Science	Engineering Graphics & its Application	05/03/16	S2CS IT	7000

		1. K.N. Anilkumar, Asso. Prof., RIT, Kottayam 2. Swapnesh S. Asst. Prof., RIT, Kottayam				
4	Applied Science	Engineering Graphics & its Application 1. K.N. Anilkumar, Asso. Prof., RIT, Kottayam 2. Swapnesh S. Asst. Prof. RIT, Kottayam	19/03/16	S2CE	7000	Postponed as portions were note completed
5	IT	Python Programming Sri. Jestin Joy AP FISAT	01/12/15	S4IT	15000	

Resolution : The board approved all the proposals.

18. BoG. B1.3.2	Sanction was sought to conduct the following Remedial Classes.		
	Branc h	Subject	No. of Session s
	S4EE	EE 1401 Engineering Mathematics III	10
	„	EE1406 Industrial & Power Electronics	10
	S6EE	EE1603Modern Digital Signal Processing	8
	S2EE	BE-100 Engineering Mechanics	12
	S2EI	BE-100 Engineering Mechanics	12
	S2EC E	BE-100 Engineering Mechanics	12
	S2IT	BE-100 Engineering Graphics	12
	S2CS	BE-100 Engineering Graphics	12
	S2CE	BE-100 Engineering Graphics	12

Dr. K.G. Viswanadhan

Dr. K.G. Viswanadhan  
Member Secretary

P V Venkitanarayanan

Dr. P. Venkitanarayanan  
Chairman

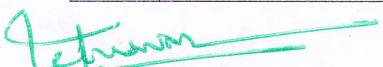
	S2CE	Engineering Mechanics	8	ongoing
S4CS		CS 1401-Engineering Mathematics-III	10	
		CS 1404 Automata Languages and Computation	10	
		CS 1405-Data Structures and Algorithms	10	
		CS 14L2-Data Structures and Algorithms Lab	6	
S6CS		CS 1605-Modern Control Systems	15	
		CS 1601-DSP	15	
S4IT		PC Hardware and Microprocessor Lab	10	
S4IT		System Programming	10	
S4, S6, S8		IT 402 Microprocessor Architecture & System Design	10	
		Total Sessions	204	
		Total Amount	122400	

Resolution : The board approved all the proposals.

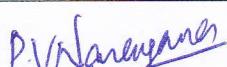
18. BoG. B1.4	Sanction was sought to conduct the following programmes for students under III Cell.				
Sl. No	Dep t	Topic/Details of Expert	Date	Class	Amt.
1	App 1 Scie nce	AutoCAD for Engineers CAD Centre, Kottayam	10/03/16 12/03/16	S2 all branc h	30000
2	EI	Safety Instrumented System In Industries B. Venugopal, Chief General Manager(Rtd.), Production & Engineering HOCL, Ambalamukal	19/01/16	S8	8000
3	EI	Home automation using IOS and Android Jose Antony, Associate Architect Qburst Technologies, Infopark, Ernakulam	20/02/16	S6	8000

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

4	EI	Manufacturing of Aluminium Electrolytic Capacitors Harikrishnan A G, Senior Engineer, Plant Engineering Department, Keltron - Component Complex Ltd., Kannur	22/01/16	S4	10000	
5	EI	Industrial energy Conservation Shanavas K M, Deputy Director, Kerala State Productivity Council, Kalamassery, Ernakulam	27/01/16	S8	8000	
6	EI	Power & Utility Plants Arun Mulloth, Lead Project Engineer, GE Oil & Gas, Bangalore	18/02/16	S8	15000	
7	EE	Overview on Energy Auditing Shanavaz K.M., Dy. Director, KSPC	25/01/16	S8	7000	
8	EE	Energy Auditing in Electrical Utilities Shanavaz K.M., Dy. Director, KSPC	24/02/16	S6	6500	
9	EE	Applications of Scada &PLC in Electrical engg Valco Solutions, Ernakulam	01/03/16 03/03/16	S8	30000	
10	IT	JSP & ASP Anil S, Qburst	16/01/16 , 23/01/16	S6	14000	Conducted on 12/02/16 & 29/02/16
11	CS	PHP & MySQL Anil S, Qburst	02/01/16 , 09/01/16	S6	14000	All other courses were postponed



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

	12	CS	Servlet Programming in JAVA Divya Mohandas, TCS	02/01/16 , 09/01/16	S4	14000	either due to inconvenience of experts or series exam.		
	13	EI	Industrial Automation & Drives Johns Jose, Senior Engineer(E&I), Apollo Tyres, Chalakkudy	23/02/16	S6	8000			
<b>Resolution:</b> The board approved all the proposals.									
18. BoG. B1.5	Sanction was sought to conduct the following finishing school programmes for students.						conducted		
	Sl. No	Topic/ Details of Experts		Period	Class & Sem	Expenditure			
	1	AutoCAD		28/12/15 – 01/01/16	S6	38500			
<b>Resolution :</b> The board permitted to conduct the programme under III Cell.									
18. BoG. B1.6	Approval was sought for the following R&D proposals.						Projects ongoing. The principal investigator would claim the amount after the publication of the related work.		
	Sl. No	Title	Brach	Project Amount	Sanctioned Amount				
	1	Compact Dual SRR Loaded UWB Monopole Antenna with Dual Frequency and Wideband Notch Characteristics	EC	30000	25000				
	2	Reconfigurable Antenna For Mobile Applications	EC	30000	25000				
	3	Investigations On Optimizing The Operating Parameters Of Swirling Fluidized Bed Machining For Selected Applications	ME	740000	100000				
	4	Development Of A Solid Waste Separator Robot	EI	40000	25000				
	5	Development Of A Multi-Parameter Acoustic Data Buoy	EI	2800000	380000				
<b>Resolution :</b> As the proposals were approved by internal and external committee, based on that the board approved									

		the proposals. For sl. no. 5, only ₹2,00,000/- can be allowed, as the maximum limit for seed money is 2 lakh. The board also commented that if a group completed their project and was accepted by an external funding agency, the institution can provide Rs.2,000/- month as remuneration to the associated students till the completion of project period. The decision was taken in the last SSC meeting.					
18. BoG. B2	Requested to ratify the outstation programmes give in below table.						
Sl. No	Name	Details of programme	Date	Amt.			
1	Jibin Joseph, AP, EE	Power Industry Familiarisation,	19/11/15	10000			
2	Sreekala Mohan, AP, EE	PETRAC, Moolamattom	-21/11/15	10000			
3	Mary Priyanka K.S., AP, CS	Technology Enhanced Learning, Amal Jyothi College of Engg., Kanjirapally	21/11/15	0			
4	Amrutha Ramachandra n, AP, EI	Signal Processing for Biomedical Applications MES College of Engineering Kuttipuram	16/11/15 — 20/11/15	4071	Settled all bills and reimbursed the amount except sl.no.4&8.		
5	Deepthy Mathew, AP, EC	Data Analysis for Research & Publication	05/12/15	35176	Due to charge hand over in the finance section		
6	Shiney Thankachen, AP, EC	IIT Roorkee	-06/12/15	35576	settlement of these files are under process.		
7	Dr. Roobin V. Varghese, Prof., CE	Enterpreneurship EDII, Ahmadabad	14/12/15 — 25/12/15	46454			
8	Arya B. Raj, AP, EI	Mechatronics, Robotics & Mems	03/12/15 —	2119			

Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitanarayanan  
Chairman

	9	Dinu A.G., AP, EI	CE Karunagappally	05/12/15	2611	
	10	Sunish Kurian, AP, ME	Experimental Techniques in Fluid Dynamics CET, Thiruvananthapura m	01/12/15 — 05/12/15	2384	
	11	Jismi Babu, AP, EC	Mathematical Techniques in Engineering Research RIT, Kottayam	07/12/15 — 12/12/15	1166	
	12	Sreelakshmi S., AP, Maths				
	13	Salini M. Venugopal, AP, EI	Image Processing Implementation on Raspberry PI CE Perumon	07/12/15 — 12/12/15	1266	
	14	Dinu A.G., AP, EI				
	15	Deepak Vijay, AP, CE	Sustainability in Civil Engg. CE Vadakara	14/12/15 — 19/12/15	7050	
	16	Vishnu Ramesh, AP, CE				
	17	Rejani Rajasekharan R., Tradesman, EC	Computer Networking and Management CE, Vadakara	16/11/15 — 20/11/15	6128	
	18	Anusha P.A., Instructor, ME	Safety Practices in Laboratories CE, Thalassery	08/12/15 — 10/12/15	5280	
	19	Pratheesh P.S., Tradesman, ME				
	20	Selvaraj A.A., Tradesman, ME				

	21	Deepthy Mathew, AP, EC	Outcome Based Education & NBA Accreditation CE Kidangoor at Hotel Aida, Kottayam	10/12/15 — 12/12/15	15000	{ Not claimed }			
	22	Dhanya Narayan, AP,EC			15000				
	23	Syama R., AP,EC			15000				
	24	Anitha R., AP,CS			15000				
	25	Rekha V.R., AP, CS			15000				
	26	Sonima M.P., AP, EE			15000				
	27	Binimol V.K., AP,EE			15000				
	28	Bindiya Hari P., AP,CE			15000				
	29	Sithara A., AP,EI			15000				
	30	Shincy P. Kunjumon, AP,EI			15000				
	31	Ramnath P., AP,ME			15000				
	Resolution: The board ratified all the programmes and directed to put the revenue generated from the program OBENA in IRG of the college.								
18. BoG. B3	Sanction was sought to reimburse the fees of following faculties pursuing higher studies.								
		Sl. No	Name of Faculty	Amount of course fee to be sanctioned					
				Sem 1	Sem 2	Sem 3			
				1	13280	13280			
				Sem 4	Total				
				2	13260	13260			
	Resolution : The board gave approval for reimbursing the amount.								

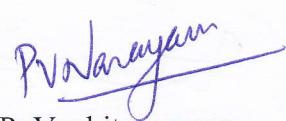
Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitaharayanan  
Chairman

18. BoG. B4	<p>Sanction was sought to attend an International Conference on Innovation in Social Science, Literature and Education at Flora Grand Hotel, Dubai, U.A.E. for presenting his paper entitled "Evolution of Quality Management System – A Case Study of Change Management in an Engineering Educational Institution" from 28<sup>th</sup> – 30<sup>th</sup> December 2015.</p> <p>The details of expenditure are as follows.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Sl. No.</th><th style="text-align: center; padding: 5px;">Details of Expenditure</th><th style="text-align: center; padding: 5px;">Amount in ₹</th></tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">1</td><td style="text-align: center; padding: 5px;">Air Fare</td><td style="text-align: center; padding: 5px;">35,000</td></tr> <tr> <td style="text-align: center; padding: 5px;">2</td><td style="text-align: center; padding: 5px;">Visa Fee</td><td style="text-align: center; padding: 5px;">8,000</td></tr> <tr> <td style="text-align: center; padding: 5px;">3</td><td style="text-align: center; padding: 5px;">Registration Fee</td><td style="text-align: center; padding: 5px;">32,500</td></tr> <tr> <td style="text-align: center; padding: 5px;">4</td><td style="text-align: center; padding: 5px;">Accommodation and other Logistic Arrangement</td><td style="text-align: center; padding: 5px;">1,50,000</td></tr> <tr> <td></td><td style="text-align: center; padding: 5px;"><b>Total</b></td><td style="text-align: center; padding: 5px;"><b>2,25,500</b></td></tr> </tbody> </table> <p><b>Resolution :</b> The board commented that the total expenditure is very high. The board gave approval to the proposal and directed to settle the expense by actual as per TA rules directed to settle the expense by actual as per TA rules followed by Govt.</p>	Sl. No.	Details of Expenditure	Amount in ₹	1	Air Fare	35,000	2	Visa Fee	8,000	3	Registration Fee	32,500	4	Accommodation and other Logistic Arrangement	1,50,000		<b>Total</b>	<b>2,25,500</b>	Settled for ₹ 1,37,013/-
Sl. No.	Details of Expenditure	Amount in ₹																		
1	Air Fare	35,000																		
2	Visa Fee	8,000																		
3	Registration Fee	32,500																		
4	Accommodation and other Logistic Arrangement	1,50,000																		
	<b>Total</b>	<b>2,25,500</b>																		
18. BoG. B5	<p>Sanction was sought to allow participants from non TEQIP CAPE Colleges to attend Faculty Development Programmes without any registration fee.</p> <p><b>Resolution :</b> The board decided that for all programs conducted through TEQIP, participants from Govt., Govt. Aided &amp; for Govt. controlled self financing colleges can participate free of registration fees.</p>	Change incorporated in all FDP's conducted after last BoG																		
18. BoG. B6.1	<p>Sanction was sought to reimburse the registration fee of ₹ 2,700/- for journal publication named "Time of the Day Based Demand Side Management for cost Optimization" in IJERT (International Journal of Engineering Research and Technology) of Sri. Ajan A., AP in EEE</p> <p><b>Resolution :</b> The board permitted to reimburse the expenditure.</p>	Reimbursed																		



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

18. BoG. B6.2	Sanction was sought to reimburse the registration fee for journal publication of students along with faculty as per the details given in the table below.				
Sl. No	Name of Paper	Journal	Name of Faculty/ Student	Amt.	
1	Multi Label Image Annotation for Weakly Labeled Images using Discriminative Dictionary	International Journal of Engineering Research & Technology	Nisha C.A., AP in IT (Neethu Lakshmi K.M.)	2700	
2	Disclose Variation in Synthetic Aperture Radar Images Adopting Fuzzy Clustering Along with Higher – order MRF Energy Function and Wavelet Denoising Technique	International Journal of Engineering Research & Technology	Rekha K.S., AP in CS (Hannah Mini Alias)	2700	
3	Human Action Recognition: A Literature Review	International Journal of Engineering Research & Technology	Nisha C.A., AP in CS (Archamol P.S.)	2700	
4	Review on Non-Destructive Techniques for Evaluating Quality of Fruits	International Journal of Engineering Research & Technology	Anitha R., AP in CS (Anoopa Ravindran)	2700	
				10800	
Resolution : The board permitted to reimburse the amounts.					

18. BoG. B6.3	<p>Sanction was sought to reimburse the expenditure of Ms. Hannah Mini Alias, Mtech 2<sup>nd</sup> year student of CS Dept. for attending the International Conference on "Emerging Trends in Engineering, Science and Technology" at College of Engineering, Thrissur on December 9<sup>th</sup> to 11<sup>th</sup> 2015 for presenting her paper titled "Reveal Difference in Synthetic Aperture Radar Images Implementing Fuzzy Clustering Along with Improved MRF Energy Function and Wavelet Denoising Technique" under the guidance of Anitha R and Rekha K S and her paper was published in the journal Elsevier Procedia Technology. The expense incurred for this is</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Registration Fee</td><td style="width: 10%; text-align: right;">-</td><td style="width: 60%; text-align: right;">₹ 1,000</td></tr> <tr> <td>Paper Publication Fee</td><td>-</td><td style="text-align: right;"><u>₹ 5,000</u></td></tr> <tr> <td></td><td></td><td style="text-align: right;"><u><u>₹ 6,000</u></u></td></tr> </table> <p><b>Resolution :</b> The board permitted to reimburse the amounts.</p>	Registration Fee	-	₹ 1,000	Paper Publication Fee	-	<u>₹ 5,000</u>			<u><u>₹ 6,000</u></u>	Reimbursed			
Registration Fee	-	₹ 1,000												
Paper Publication Fee	-	<u>₹ 5,000</u>												
		<u><u>₹ 6,000</u></u>												
18. BoG. B6.4	<p>Permission was sought to meet the expense of S8EEE students for attending the 10<sup>th</sup> International Conference on Intelligent Systems and Control on 7<sup>th</sup> &amp; 8<sup>th</sup> January 2016 at Karpagam College of Engineering Coimbatore for presenting their paper from TEQIP fund. The estimated expense is as follows.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Registration Fee</td><td style="width: 10%; text-align: right;">-</td><td style="width: 60%; text-align: right;">₹ 1000/head</td></tr> <tr> <td>Accommodation</td><td>-</td><td style="text-align: right;">₹ 500/head</td></tr> <tr> <td>TA</td><td>-</td><td style="text-align: right;"><u>₹ 150/head</u></td></tr> <tr> <td>Total</td><td>-</td><td style="text-align: right;"><u>₹ 9,200/-</u></td></tr> </table> <p><b>Resolution :</b> The board permitted to meet the expense from TEQIP fund. The board also directed to write "Acknowledgment to TEQIP of the institution" in all the funded papers.</p>	Registration Fee	-	₹ 1000/head	Accommodation	-	₹ 500/head	TA	-	<u>₹ 150/head</u>	Total	-	<u>₹ 9,200/-</u>	Reimbursed
Registration Fee	-	₹ 1000/head												
Accommodation	-	₹ 500/head												
TA	-	<u>₹ 150/head</u>												
Total	-	<u>₹ 9,200/-</u>												
18. BoG. B7	<p>Sought the decision of BoG for renewing the membership of ICT Academy.</p> <p><b>Resolution :</b> The board decided to renew the membership and not to conduct any additional paid courses.</p>	Renewed with validity till 2017												
18. BoG. B8.1	<p>Requested to ratify the changes made for the procurement packages as per the details given in below table and to approve the packages.</p>													



Dr. K.G. Viswanadhan  
Member Secretary

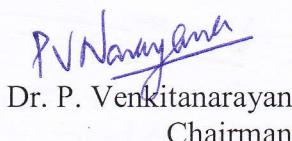


Dr. P. Venkitanarayanan  
Chairman

	Sl No	Package Name	Estimated Amount	Revision Comments	
	1	Heat Treatment Equipments	1,00,000	The initial estimated cost for the package was Rs 6,00,000. When a sample quotation was invited it is found that the estimated amount will be around Rs 1,00,000. Hence revise the amount.	Initiated
	2	ICT Tools	10,57,200	The estimated cost for the package was Rs 7,26,000. As there were requirements from departments for additional projectors for setting up of ICT enabled classes and reprographic machines the estimated amount was revised to ₹ 10,57,200.	Completed the package and payment process in progress
	18. BoG. B8.2	<p><b>Resolution :</b> The board ratified the changes and approved the packages. The board also directed to cancel the package Hart Calibrator and directed to reinitiate the package Solar PV again.</p>			
	18. BoG. B8.3	<p>Permission was sought to cancel the package Advanced Geotechnical Engineering Lab as the quoted amount of the technically qualified lowest quoted vendor is more than 30% of the estimated cost.</p> <p><b>Resolution :</b> The board permitted to cancel the package.</p>			
		<p>Permission was sought to fix the Library Furniture, which was procured for the new Library Block in the existing Library.</p> <p><b>Resolution :</b> The board approved the changes.</p>			



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

18. BoG. B9	Requested to ratify the change in TEQIP Nodal Officers as per the details shown in the below table.					Proceedings issued
Sl. No.	Post (Nodal Officer)	Existing	New	Remarks		
1	Accreditation	Sri. Anith Krishnan, AP in EE Smt. Shiney Thankachen AP in EC	Smt. Dhanya Narayanan, AP in EC	Anith Krishnan is replaced by Smt. Dhanya Narayan and Smt. Shiney Thankachen exclusively for ISO		
<b>Resolution :</b> The board ratified the change.						
18. BoG. B10	The Board Members were requested to fill in the questionnaire circulated along with the agenda for reviewing the BoG performance.  <b>Resolution :</b> The board asked to mail the questionnaire and responsibilities of BoG to all members and they will participate.					To be discussed in the present BoG
18. BoG. B11	Requested to evaluate the Good Governance Plan revised after discussion in 16 <sup>th</sup> BoG which was circulated among the agenda note.  <b>Resolution :</b> The board evaluated the plan.					Approved

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

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

- For all not attended programmes specific reasons should be given.
- Give specific reason for postponement for all programs.
- For all in house FDP's the number of faculties attended should be provided.
- For all the R&D projects follow up by Principal is essential. An interim evaluation should be done in March last week for all R & D projects.
- Reminder should be sent to the principal investigators to inform the Principal regarding the progress of the projects.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

## Part B

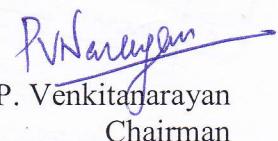
### Items for Discussion, Consideration and Approvals

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

The detailed proposal of outstation and in house programmes for faculties for the next 3 months is planned and approved by the Academic Committee. The proposals are given in below tables.



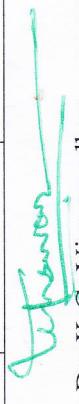
Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

### 19.BoG.B1.1.1 Outstation Programmes for the next 3 months

Sl. No.	Department	Name of faculty identified for training	Subject / Area of Training	Training Institution	Duration (Days)	Tentative Date		Expenditure		(Expected) Outcome / Objective
						From	To	Course Fee	TA/DA	
1	CE	Dr. K.G. Viswanadhan, Principal	Quality Assurance Through Outcome Based Accreditation	NBA at Leela Ambience Hotel and Residences, Gurgaon,	3	18/03/16	20/03/16	22800	28000	To facilitate free discussion on subjects in concern to best practices in accreditation and means to improve quality of education through these practices
2	CE	Dr. Roobin V. Varghese	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	17/03/16	19/03/16	10000	1000	Familiarization of dam construction, power generation
3	CE	Anu S. Mattam	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	17/03/16	19/03/16	10000	1000	Familiarization of dam construction, power generation
4	CE	Bindiya Hari P.	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	17/03/16	19/03/16	10000	1000	Familiarization of dam construction, power generation

  
Dr. K.G. Viswanadhan  
Member Secretary

  
Dr. P. Venkitanarayanan  
Chairman

*Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kolaangoor held on 11.03.2016*

5	CE	Jisha Balakrishnan	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	17/03/16	19/03/16	10000	1000	11000	Familiarization of dam construction, power generation
6	EI	Pradeep T.S.	Instrumentation Engineering	LBS, Trivandrum	5	18/04/16	23/04/16	2000	2500	4500	
7	EI	Pradeep T.S.	Advanced Microcontroller Based System Design	CDAC, Trivandrum	20	17/05/16	20/05/16	10000	2000	12000	
8	CS	Rekha K.S.	High Performance Computing	RIT, Pampady	5	14/03/16	18/03/16	0	2100	2100	Have an understanding in programme in HPC
9	CS	Anitha R.	High Performance Computing	RIT, Pampady	5	14/03/16	18/03/16	0	2100	2100	To set up high performance lab
10	EE	Anith Krishnan	Continuing Education Programme Summer Faculty Research Fellow Programme	IIT Delhi	59	18/05/16	15/07/16	16520	20000	36520	To acquire hands on experience on renewable energy technologies
11	ME	Vivek Raju	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	21/04/16	23/04/16	10000	1000	11000	Familiarization of dam construction, power generation
12	ME	Sunish Kurian	Industrial Familiarization Program for Engineering	PETRAC, Moolamattom	3	21/04/16	23/04/16	10000	1000	11000	Familiarization of dam construction, power

*T. S. Jisha*  
Dr. K.G. Viswanadhan  
Member Secretary

*P. Venkatakrishnan*  
Dr. P. Venkatakrishnan  
Chairman

			Faculty									
13	ME	Ramnath P.	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	21/04/16	23/04/16	10000	1000	11000	Familiarization of dam construction, power generation	
14	ME	Wrinkle Joseph	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	21/04/16	23/04/16	10000	1000	11000	Familiarization of dam construction, power generation	
15	ME	Bilso Joseph	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	3	21/04/16	23/04/16	10000	1000	11000	Familiarization of dam construction, power generation	

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

**Resolution:** The board approved all the proposals with the condition that arrangement of the class, and necessary approval from Higher Authorities etc. shall be obtained before attending the programs. BoG approved the expense.

Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitanarayanan  
Chairman

### 19.BoG.B1.1.2 In-house Training Programmes / workshops Programmes/conferences planned

Sl. No	Department	Subject / Area of Training	Period		Participation (no's) expected			Planned Expenditure	(Expected) Outcome / Objective
			From	To	No. of days	Own Institution	Other Institutions		
1	ECE	Workshop on High Frequency Structure Design (Shiney Thankachen)	17/03/16	21/03/16	5	45		45	Should be able to design high frequency structure on HFSS
2	ECE	Workshop on Wired & Wireless Communication Tools (Deepthy Mathew)	20/04/16	27/04/16	7	45		45	Should be able to operate LAB VIEW, USRP, Wireless Sensor Nodes
3	ECE	FDP on Advances in Non Linear Control and its Applications (Dr. Rimi Jones)	31/03/16	6/04/16	5	45		45	To get exposure on recent advancements in non-linear control system
4	ECE	FDP on Linear Algebra& its Applications (Syamesh K.G.	02/05/16	06/05/16	5	45		45	To get exposure on recent advancements in Linear Algebra
5	EEE	(Sonima M.P.) <i>Sonima</i>	04/04/16	08/04/16	5	30	10	40	90000 The Participants will Able To Aware About The Present Developments In The

Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitanarayanan  
Chairman

6	CSE	Natural Language Processing and Machine Learning (Jyothis Thomas)	18/04/16	22/04/16	5	25	20
7	IT	Recent Trends in Cloud and Cloud Security (Rekha V.R.)	25/04/16	29/04/16	5	30	20

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

**Resolution:** The board approved all the proposals.

Johnson

Dr. K. G. Viswanadhan  
Member Secretary

Dr. P. Venkita<sup>o</sup>rayan  
Chairman

**19. BoG.B1.2 Consideration of the various academic programs for students, for the next three months.**

The detailed proposal of expert sessions and remedial classes for the next 3 months 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	EEE	A Bottom up Approach Through Non Conventional Energy Resources (Salini M. Venugopal)	28/03/16		1	S6	40	Dr. Sasi K. Kottayil, Professor, Amrita College of Engg., Coimbatore	7000
2	EEE	Innovation to Modulation Technology (Sreekala M ohan )	21/3/16		1	S4	35	Silpa S. Prasad, AP, Arammula	4500
3	EC	VLSI (Syama R.)	08/07/16	08/07/16	1	S5	30	Ms. Silpa S. Prasad, Asst. Prof., College of Engineering Arammula	5000
4	EC	Electromagnetic Theory (Syama R.)	15/07/16	16/07/16	2	S5	30	Dr. Premlet, Associate Prof., TKM College of Engg., Kollam	12000
5	EC	Sensors & Controllers (Syama R.)	22/07/16	22/07/16	1	S7	30	Dr. Binu L.S., Assistant Professor, College of Engg. Trivandrum	5000
6	Appl. Science	Photonics (Sreekala U.)	28/03/16	30/03/16	3	S2 EEE/EC/E I	80	Dr. B. Premlet, HOD Physics, TKM, Kollam	18000
7	Appl. Science	Energy Conversion Devices (Wringle Joseph)	07/04/16	08/04/16	2	S2 EEE/CE	60	Mr. Sajumon, Asso. Prof in ME, RIT, Pampady	14000
8	Appl. Science	3D Modelling & Industrial Based Design (Ramnath P. & Bilso Joseph)	08/04/16	09/04/16	2	S2 IT/EC/CS	60	Mr. Antony J.K., AP in ME, RIT	14000
9	EEE	Recent Trends in Transformer Design (Pradeeshkumar D.)	19/03/16		1	S4	20	Shino G. Babu, AP, VKCET, Kollam	7000

Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitanarayanan  
Chairman

10	EEE	Commutation Failure and Remedial Measures in DC Machines (Pradeeshkumar D.)	26/03/16		1	S4	20	Ajisha S., AP, CE Vadakara	7000
11	EEE	Novel Converter Topology in SRM (Pradeeshkumar D.)	02/04/16		1	S4	20	Rajesh R., AP, MES, Kollam	7000
12	EC & EI	Signal Sampling (Joby James)	13/04/16		1	S4	35	Dr.Vinu Thomas, Associate Professor, MEC Thrikkakara	6500
13	EC & EI	Fourier Transform Application (Joby James)	15/04/16		1	S4	35	Dr.M.V.Rajesh Principal,ISST, Muvattupuzha	6500
14	EC	Digital Image processing (Wavelets) (Joby James)	21/03/16		1	S6	25	Dr.Vinu Thomas, Associate Professor, MEC Thrikkakara	6000

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

**Resolution:** The board approved all the programs and asked to present the feedback of students for all programs and for program no.12 &13 specify the areas.

Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitanarayanan  
Chairman

19.BoG.B1.2.2 Details of Remedial Classes for the next semester

Branch	Subject	No. of Sessions
S2 EC	Basic Electronics	10
S4 EC	Signals & Systems	15
S4 EC	Digital System Design	15
S4 EC	Engineering Mathematics	15
S4 EC	Microprocessors	15
S4 EC	Communication Engg. 1	15
S4 EC	Electronics Circuit 2	15
S6 EC	Microwave Techniques & Devices	10
S6 EC	Electronic Measurements & Instrumentation	10
S6 EC	VLSI Design	10
S6 EC	Communication Engg. III	10
S6 EC	Control System Engineering	10
S6 EC	Hardware Modelling	10
S6 EC	Digital Image Processing	10
S2 EE	BE 110 Engineering Graphics	20
S4 EE	Electrical Machines I	20
S2 EE	Introduction to Electrical Engineering	20
S4EI	Power Electronics	12
S4EI	Signals and Systems	12
S4 EI	Electronics Circuits II	12
S6 EI	Analysis and Design of Instrumentation Systems	12

*Signature*  
Dr. K.G. Viswanadhan  
Member Secretary

*P.V.Narayanan*  
Dr. P. Venkitanarayanan  
Chairman

*Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016*

S6 EI	Control Systems	12
S4 EI	Engineering Maths III	12
S3 EI	Solid State Electronics	12
S3 EI	Electronics Circuits 1	12
S3 EI	Network Theory	12
S1S2	Engineering Mathematics I	12
S1S2	Engineering Physics	12
S1S2	Engineering Graphics	12
S1S2	Basic Electrical Engineering	12
S1S2	Engineering Mechanics	12
S1 (KTU)	Chemistry	12
S1 (KTU)	Graphics	12
S1 (KTU)	Basic Electronics	12
S1 (KTU)	Calculus	12
S6 CS	Engg. Mathematics III	10
S3 CS	Automata Languages and Computations	10
S3 CS	Data structures and Algorithms	10
S3 CS	Data Communications	10
S3 CS	Data structures Laboratory	10
S5 CS	Digital Signal Processing	10
S1CS	Introduction to computing & problem solving	10
S1CS	Calculus	10

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



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

### 19.BoG.B1.3 Consideration of the various III Cell programs for the next three months.

The detailed proposal of expert sessions for the next 3 months is planned and approved by III Cell 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	EC	Antenna Design	11/04/16	13/04/16	3	M.Tech 1 <sup>st</sup> and 2 <sup>nd</sup> Year	29	Entuple Technologies Bangalore	10000
2	EC	USRP, LAB VIEW, Wireless Sensor Nodes	20/04/16	27/04/16	7	M.Tech 1 <sup>st</sup> and 2 <sup>nd</sup> Year	29	NI Systems	15000
3	EE	Familiarisation of Transmission System	23/03/16		1	S6	40	Prashant Kumar Maintenance Engineer, FACT	6000
4	CE	Kerala Building Rules & Regulations	17/03/16		1	S4 CE	66	Mr.Anil Kumar, Town Planner, Kottayam	5000
5	CE	Applications of Fluid Mechanics to engineers	18/03/16		1	S4 CE	66	Er.Bineesh.B,Assistant Executive Engineer,KWA, Alappuzha	7000

Decision Sought: The board may consider the proposals and approve.  
Resolution: The board approved all the proposals.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

**19.BoG. B1.4 Consideration of the various Finishing School programs for the next three months.**

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	EEE	Autocad 2D	01/06/16	03/06/16, 06/06/16, 07/06/16	5	S7	63	Autodesk authorised training centre	35000
2	EEE	Autocad Electrical	08/06/16 to 10/06/16	13/06/16 to 17/06/16	7	S7	63	Autodesk authorised training centre	70000
3	EEE	Autocad 2D	25/7/16	29/7/16	5	S5	55	Autodesk authorised training centre	35000
4	EC	Personality Development Programme	04/07/16	06/07/16	3	B.Tech	50	Dr. Sudeep B. Chandra	15000
5	All Branch	CCNA Training	19/04/16	29/04/16	10	S8	30	ACCEL IT Academy	98000
6	All Branch	Training on Quantitative Aptitude	02/05/16	07/05/16	6	S6	90	Career Launcher Trivandrum	65000
7	All Branch	Pre-placement Training	06/06/16	11/06/16	6	S6	90	Career Launcher Trivandrum	65000
8	All Branch	GD Training	04/07/16	12/07/16	7	S6	210	Career Launcher Trivandrum	80500

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

**Resolution:** The board approved all the proposals.

  
Dr. K.G. Viswanadhan  
Member Secretary

  
Dr. P. Venkitanarayanan  
Chairman

**19.BoG.B2. Ratification of various training programs**

**19.BoG .B2.1 Training Programmes attended by faculty outside the institution**

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

Sl. No.	Name	Topic	Institution	Date	Course Fee	TA/DA	Total
1	Jyothilakshmi J., AP in EEE	Power Industry Familiarisation	PETARC, Moolamattom	08/02/16 — 10/02/16	10000	307	10307
2	Jasmi M.S., AP in EEE				10000	345	10345
3	Mohammed Aslam, Tradesman, EEE				10000	1000	11000
4	Shiney Thankachen, AP in ECE	Labview & USRP	College of Engineering Karunagappally	19/02/16 — 24/02/16	2500	3007	5507
5	Deepthy Mathew, AP in ECE				2500	3007	5507
6	Syama R. AP in ECE				2500	2732	5232
7	Binimol V.K., AP in EEE	Strategic Planning for Engineering Colleges	College of Engineering Vadakara	18/02/16	3000	1934	4934
8	Dr. Rini Jones S.B., AP in ECE				3000	2044	5044
9	Anitha R., AP in CS				3000	2044	50044
10	Sanoj R., AP in IT				3000	2994	5994
11	Dr. Roobin V. Varghese, Prof. in CE				3000	1790	4790
12	Jibin Joseph, AP in EEE	International Conference on Electrical, Electronics & Optimization Techniques	DMI College of Engineering, Chennai	03/03/16 — 05/03/16	6500	3258	9758
13	Ajan A., AP in EEE				6500	3568	10068
14	Jasmi M.S., AP in EEE	Research Methodology and Scholarly Writing Skills	College of Engineering, Perumon	08/03/16 10/03/16	2500	2062	4562
15	Salini M. Venugopal, AP in EEE	National Conference on Future Technologies in Power Control & Communication Systems	College of Engineering, Perumon	10/03/16 12/03/16	2000	3081	5081

Dr. K.G. Viswanadhan  
Member Secretary

Dr. P. Venkitanarayanan  
Chairman

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

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

#### 19.BoG.B2.2 Finishing School Program

A Finishing School Program had been conducted for the final year students of all branches as per the details given in below table.

Sl. No.	Subject / Area of Training	Period	No. of days	Details of Expert	Expenditure
1	TCS Pattern Training	29/02/16 01/03/16	2	Career Launcher	23000

35 students attended the drive after this training program and 10 out of them cleared the written exam.

**Decision Sought:** The board may kindly ratify the above program.

**Resolution:** The board ratified the program.

#### 19.BoG. B3. Qualification Upgradation – Approval of the Fees of Faculties

##### Pursuing Higher Studies

Request has been received from faculties 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	Total
1	Shandry K.K.	M.Tech CUSAT	40210				13280	13280
2	Soumya K.G.	M.Tech Toc - H	135000				45000	45000
3	Rana Surendran	M.Tech CUSAT	40625				13280	13280
4	Suresh A.R.	M.Tech CUSAT	40625				12865	12865
5	Muhammed Ameen P.P.	M.Tech CUSAT	16870	16320				16320
6	Shiney Thankachan	Ph.D. CUSAT	6825				1575	1575
		Total						99950

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

**Resolution:** The board approved and permitted to reimburse the amount.

#### 19.BoG.B4. Journal Publication of Students

The following faculties have requested to reimburse the registration fee for their journal publication along with student as per the details given in the below table.

Sl. No.	Name of Paper	Journal	Name of Faculty/Student	Amount
1	Cooperative Black Hole Attack Detection: A Survey	International Journal of Advanced Research in Computer and Communication Engineering	1. Dhanya Narayan, AP in EC 2. Alphonsa George, M.Tech EC	1400
2	Face Recognition in Unconstrained Environments – A Literature Survey	International Journal for Computer and Mathematics	1. Anitha R., HOD CS 2. Sreelakshmi K.R., M.Tech CS	2000
3	Image Recapture Detection Methods: Survey	International Journal of computer & Mathematical Sciences	1. Anitha R., HOD CS 2. Rebita K.R., M.Tech CS	2000
4	Self Governing Mobile Mesh Network – A Detailed Survey	International Journal of computer & Mathematical Sciences	1. Rekha K.S., AP in CS 2. Hari N.R., M.Tech CS	2100
5	An Effective Method for Detecting Double JPEG Image by using an Effective Classifier – Review	International Journal of Computer Science and Information Technologies	1. Mohammed Nizar B.K., AP in IT 2. Athira Abraham, M.Tech CS	3500
6	Reliable Image Dehazing Techniques – A Detailed Survey	International Journal of Digital Application & Contemporary Research	1. Mohammed Nizar B.K., AP in IT 2. Sajana M. Iqbal, M.Tech CS	1249
7	Learning Liveness Detection and Classification of Iris	International Journal	1. Rekha K.S., AP in CS	3500

	Images – A Detailed Survey	Computer Science and Information Technologies	2. John Joy, M.Tech CS	
8	Enhancing the Capacity of Steganography using Reversible Texture Synthesis with Edge Adaptive and Tree Based Parity Check Method – A Detailed Survey	International Journal of Computer Science and Information Technologies	1. Sanoj R., AP in IT 2. Reenu Mariam Cherian, M.Tech CS	3500
9	Embedding Audio Message in Images using Integer Wavelet Transform – A Detailed Survey	International Journal of Computer Science and Information Technologies	1. Sanoj R., AP in IT 2. Julie Antony K., M.Tech CS	3500
10	JPEG-A Compression Tool Implemented in Matlab	International Journal of Computer Science and Information Technologies	1. Sanoj R., AP in IT 2. Julie Antony K., M.Tech CS	2000
11	Can a Question Answer System Predict? -A Survey	International Journal of Research in Engineering and Advanced Technology	1. Lekshmy P. Chandran, AP in IT 2. Susan Aisoo Thomas, M.Tech CS	3000
12	Parallel Implementation of Fuzzy Clustering Algorithm Based on Map Reduced Computing Model of Hadoop-A Detailed Survey	International Journal of Computer Science and Information Technologies	1. Lekshmy P. Chandran, AP in IT 2. Jerril Mathson Mathew, M.Tech CS	3500
13	Leaker Detection In Open Network	International Journal of Digital Application & Contemporary Research	1. Jyothis Joseph, AP in CS 2. Remya G. Nair, M.Tech CS	1663
Total				32912

**Decision Sought:** The board may consider this and permit to reimburse the amounts.

**Resolution:** The board permitted to reimburse the amounts. BoG appreciated the students and faculty for their efforts. The Board suggested to display the 1<sup>st</sup> page of these journals in the notice board of the departments. Dr. S. Anilkumar suggested that college can start a Journal, which can publish papers of students and staff of this college and other colleges from all departments. The Board suggested a subcommittee may be formed with few BoG Members and few staff. A sub committee was formed for this purpose including the BoG members Sri. Mohanakrishnan A., Sri. S. Anilkumar & Sri. Harilal K.G. The Board requested the Principal to identify the members from college and inform BoG.

#### 19.BoG.B5. 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			Total
				Regis- tration Fee	Travelling Expense	Accommodation	
1	IEEE International Conference on Electrical, Electronic and Optimization Techniques at DMI College of Engineering, Chennai from 3 <sup>rd</sup> to 5 <sup>th</sup> March 2016	Performance Comparison of Bridge Converter and Modified Miller Converter	Jubin Babu, S8EEE	5500	914	500	6914
2			Midhun Mohan, S8EEE	5500	914	500	6914
3	IEEE International Conference on Wireless Communications, Signal Processing and	Securing Passwords from Dictionary Attack with Character-Tree	Jacob Jose, S8 IT	6500	925	500	7925
4			Anjali Krishna V., S8 IT	6500	925	500	7925
5			Tibin T. Tomy, S8 IT	6500	925	500	7925
6			Vibin	6500	925	500	7925

	Networking at SSN College of Engineering, Chennai from 23 <sup>rd</sup> to 25 <sup>th</sup> March 2016		Karunakaran, S8 IT				
7	IEEE International Conference on Electrical, Electronic and Optimization Techniques at DMI College of Engineering, Chennai from 3 <sup>rd</sup> to 5 <sup>th</sup> March 2016	Design and Development of Electromagnetic Launch Pad for Weather Forecasting	Ajay Raj, S8EEE	5000	914	500	6414
8			Ajith Soman, S8 EEE	5000	914	500	6414
9			Jithin Mathew, S8 EEE	5000	914	500	6414
10			Manu Prasad M., S8 EEE	5000	914	500	6414
11	IEEE International Conference on Electrical, Electronic and Optimization Techniques at DMI College of Engineering, Chennai from 3 <sup>rd</sup> to 5 <sup>th</sup> March 2016	Harmonics Mitigation in Distribution System by SMES Sourced Multilevel D-STATCOM	Mohammed Hassain, S8 EEE	5000	914	500	6414
12			Rahul Raj, S8 EEE	5000	914	500	6414
13			Sreejith G. Palackal, S8 EEE	5000	914	500	6414
14			Vineeth V. Nair, S8 EEE	5000	914	500	6414
15			Abijit Balan, S8 EEE	1000	100	500	1600
16	National Conference on Future Technologies in Power, Control and Communication Systems (NFTPCOS '16) at College of Engineering Perumon, Kollam from 10 <sup>th</sup> to 12 <sup>th</sup> March 2016	Obstacle Avoidance for Quardcopter	Akshay Haridas, S8 EEE	1000	100	500	1600
17			Praveena Vijayan, S8 EEE	1000	100	500	1600
18			Anju Sudhakar S8 EEE	1000	100	500	1600
19			Anandu K. Ravi, S8 EEE	1000	100	500	1600
20		Performance Analysis of a PI Controller for Closed Loop Speed	Christy Treesa Thomas, S8 EEE	1000	100	500	1600

21		Controlling of BLDC Motor	Jofin Joykutty, S8 EEE	1000	100	500	1600
22			Mohitha Mohan S8 EEE	1000	100	500	1600
23		Dual Mode Boost Converter	Haritha T., S8 EEE	1000	100	500	1600
24			Mamatha S. Babu, S8 EEE	1000	100	500	1600
25			Parvathi T.S., S8 EEE	1000	100	500	1600
26			Vinitha V.N., S8 EEE	1000	100	500	1600
27		Performance Study of SMES Sourced SVPWM Inverter and Traditional SVPWM Inverter	Jibu Jacob Joy, S8 EEE	1000	100	500	1600
28			Haja Moideen Pasha A., S8 EEE	1000	100	500	1600
29			Krishnaprasad, S8 EEE	1000	100	500	1600
30			Swathi V.P., S8 EEE	1000	100	500	1600
31	International Conference on Global Colloquium in Recent Advancement and Effectual Researches in Engineering, Science and Technology (RAEREST 2016) at SJCET Pala from 22 <sup>nd</sup> to 23 <sup>rd</sup> April 2016	Weighted Guided Gaussian Single Image Dehazing	Sajana M. Iqbal, 2 <sup>nd</sup> Year MTech CS	6341			6341
32	International Conference on Technical Challenges in Instrumentation, Computer Science, Civil, Mechanical, Electronics &	Methods to Enhance the Security and Embedding Capacity of Steganography	Reenu Mariam Cherian, MTech CS	2600			2600
33		Methods to Enhance the Capacity of	Julie Antony K., MTech CS	2600			2600

Electrical Engineering at Christ Knowledge City, Mannor, Moovattupuzha on March 5, 2016	Embedding Data in JPEG Images					
---	-------------------------------	--	--	--	--	--

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

**Resolution:** The board permitted to reimburse the amount.

#### 19.BoG.B6. Students Attending Workshop other than Conferences

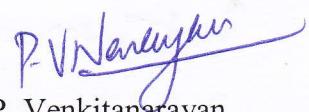
Students requested for financial support from TEQIP to attend workshops within India. As per PIP, UG/PG students are permitted "to attend workshops", which is given as Permissible Expenditure (registration fees, travelling, boarding & lodging and incidental charges) under the head IOC (Incremental Operating Cost).

**Decision Sought:** BoG may permit the proposals submitted by students for attending workshops which satisfy the following conditions

1. The organizing institution must be government owned/aided/funded or PSUs/Autonomous Reputed Institution.
2. After attending the workshop, the student shall implement a project related to the topic of the workshop.
3. The project shall be guided by a faculty of the department and the progress of the project shall be ensured by the Head of the Department.
4. The expenses for the implementation of the project will not be funded by TEQIP-II, unless and otherwise it is submitted and approved as a R&D project under TEQIP-II, for which a regular faculty shall be the principle investigator.
5. All the materials, other than consumables, received by the student while attending the workshop, shall be submitted to the department and necessary entries shall be made in the stock registers. The student shall



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

submit a detailed report about the workshop while settling the bills. The report shall be verified by the guide.

6. The dates of workshop in no case shall overlap with the dates of series exam or university exams.
7. Attendance & CGPA % of the current semester of the students can also be noted while giving permission.

**Resolution:** The Board permitted this proposal satisfying all the suggested norms. BoG also suggested to follow the following conditions for Internship

1. Work has to be done here.
2. Travelling as per road travel rate and for outstation candidate 2<sup>nd</sup> class fare can be given.
3. Payment can be made only after obtaining certificate from an industry.
4. A reputed industry relevant to their branch is acceptable.
5. After the completion of internship obtain a certificate from the industry showing satisfactorily completion and date of completion.
6. The student should submit a report.
7. Should have minimum attendance.

The Board directed to put this in the notice board.

#### **19.BoG.B7. Enhancement of Remuneration of TEQIP II Staff**

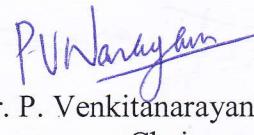
Govt. has enhanced the remuneration of contract employees as per G.O.(P) No.28/2016/Fin dated 26/02/2016. Two persons were appointed on contract basis in TEQIP, presently 1. Kala C.N., Clerk cum Accountant, 2. Roshni Kiran, Data Entry Operator falling under category III of this G.O. At present they were being paid ₹ 15,000/month and Govt. has enhanced the remuneration of contract employees of the post mentioned above @₹ 19,000/month w.e.f. 01/04/2016.

**Decision Sought:** The board may accord sanction to enhance the remuneration of these employees according to this G.O. w.e.f. 01/04/2016.

**Resolution:** The board asked to obtain clarification regarding this from SPFU.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

#### 19.BoG.B8. Procurement - Approval for new Packages

Request from departments have been received to initiate the following packages.

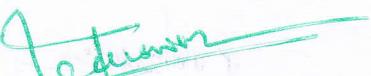
Sl. No.	Name of Package	Estimated Cost	Remarks
1	Solar Power Plant	444941	18 <sup>th</sup> BoG decided to cancel the package Hart Calibrator and to reinitiate the package Solar PV.
2	Chemistry Lab Equipments	100000	New package proposed for the balance amount for setting up chemistry lab as per KTU.
3	Modification Work of CGPC & Seminar Hall	700124	Invited tender for civil works as a single package for ₹ 48,30,000/- two times and did not receive minimum number of quotations. So the old package is cancelled and the package is split into three small packages.
4	Modular Cabins	3173820	
5	Floorings	899638	
		53,18,523	

**Decision Sought:** The board may approve these packages and permit to initiate them. Also it is requested to give approval for the cancellation of civil works package.

**Resolution:** The board approved these packages and for Civil Works packages asked to get approval of CAPE also.

#### 19.BoG.B9. Change of Nodal Officer

Finance Nodal Officer Sri. Vinod P., AP in EI had been transferred to CE Vadakara and the College Council suggested the name of Sri. Sunish Kurian, AP in ME & Asst. Procurement Nodal Officer to take over the charge of Finance Nodal Officer.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

*Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016*

**Decision Sought:** The Board may kindly ratify the change of Finance Nodal Officer and also may relieve Sri. Sunish Kurian from his additional duty of Asst. Procurement Nodal Officer.

**Resolution:** The board ratified the change and also relieved Sri. Sunish Kurian from his duties as Assistant Procurement Nodal Officer.

#### 19.BoG.B10. Change of Faculty representation in BoG

Sri. Vinod P. has been transferred to Vadakara and Smt. Jismi Babu is on maternity leave, request has been send to CAPE for further action on 20/02/2015. CAPE has suggested Dr.Rini Jones,HoD EC and Sri.Sanoj.R ,HoD IT as the new members nominated by the college. The government order is awaited.

**Decision Sought:** The Board may kindly note the change.

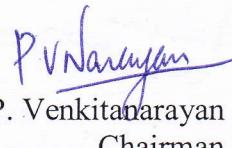
**Resolution:** Noted

#### 19.BoG.B10. Self Review of BoG

**Resolution:** Discussed in BoG.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

**Part C  
Reports**

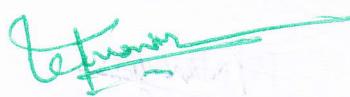
**19.BoG .C1. The status of fund position as on 29/02/2016**

Fund utilization status for the allotted 850 Lakh is presented in table given below

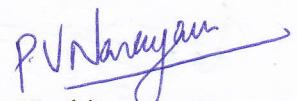
<b>Sl. No.</b>	<b>Activity/Category of Expenditure</b>	<b>Total Budget (in lakh)</b>	<b>Amount as on 17.10.15</b>	<b>Amount as on 29.02.16</b>	<b>Amount Spend after the last BoG</b>	<b>Commit ted</b>	<b>Balance to spend</b>
1	Improvement in teaching, training and learning facilities	550	361.94	414.98	53.04	77.28	57.74
2	Providing Assistantship for increased enrolment in existing and new PG	100	20.76	35.75	14.99	10.24	54.01
3	Enhancement of R&D and Institutional Consultancy activities	20	0.92	1.03	0.11	0.16	18.81
4	Faculty and Staff Development (FSD)	100	59.64	67.9	8.26	10.12	21.98
5	Enhanced Interaction with Industry	40	4.15	4.94	0.79	0.65	34.41
6	Institutional Management Capacity Enhancement	30	0.35	1.21	0.86	0.44	28.35
7	Academic Reforms	20	13.99	13.99	0		6.01
8	Academic Support for weak students	40	13.29	14.59	1.3	0.34	25.07
9	Incremental Operating Cost	100	36.28	42.21	5.93	2.4	55.39
<b>TOTAL</b>		<b>1000</b>	<b>511.32</b>	<b>596.6</b>	<b>85.28</b>	<b>101.63</b>	<b>301.77</b>

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

**Resolution:** Noted and asked every department to conduct a National Conference.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman

### 19. BoG. C2. Result Analysis

The result of S1S2 of CUSAT May 2015 announced in December 2015 is as follows.

Sl. No.	Dept.	Appeared	Passed	Percentage
1	CE	58	39	67.24
2	CS	61	36	59.02
3	EC	51	37	72.55
4	EE	53	27	50.94
5	EI	38	9	23.68
6	IT	27	10	37.04

S1 KTU examination held in Jan 2016 and result announced in Feb 2016 is as follows.

Sl. No.	Dept.	Appeared	Passed	Percentage
1	CE	61	33	54.10
2	CS	45	16	35.56
3	EC	45	28	62.22
4	EE	36	4	11.11
5	EI	27	6	22.22
6	IT	14	2	14.29

S4CUSAT examination held in April 2015 and result announced in Feb 2016 is as follows.

Sl. No.	Dept.	Appeared	Passed	Percentage
1	CE	68	36	53.00
2	CS	62	24	38.70
3	EC	68	16	23.52

Minutes of 19<sup>th</sup> meeting of the Board of Governors of College of Engineering Kidangoor held on 11.03.2016

4	EE	63	21	33.33
5	EI	37	5	13.50
6	IT	18	6	33.33

Decision Sought: For the information of BoG.

Resolution: Noted.

The meeting came to a close at 1.45pm.



Dr. K.G. Viswanadhan  
Member Secretary



Dr. P. Venkitanarayanan  
Chairman