

**Minutes of the 20th meeting of the Board of Governors held on 15th
July 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. M.G. Renjith Kumar, Under Secretary ,Higher Education Department
- 7. Dr. S. Jayakumar, SPFU Director
- 8. Dr. Rini Jones S.B., HOD EC
- 9. Sri. Sanoj R., HOD, IT

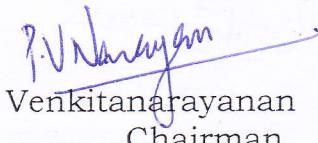
Also Present

- 1. Vivek Raju, TEQIP Coordinator
- 2. Jisha Balakrishnan, TEQIP Coordinator
- 3. Smt. Indhu P. Nair, HoD Electrical and Electronics
- 4. Dr. Angel Viji K.S., HoD Computer Science
- 5. Sonima M.P., EAP Nodal Officer
- 6. Syamesh K.G., Academic Nodal Officer
- 7. Joby Mathew, Finishing school Nodal officer.
- 8. Saji Justus, Procurement Nodal Officer
- 9. Sunish Kurian, Finance Nodal Officer
- 10. Dhanya Narayan, Accreditation Nodal Officer



Dr. K.G. Viswanadhan
Member Secretary

1



Dr. P. Venkitanarayanan
Chairman

Minutes

The meeting started at 10.40 am with a silent prayer. Principal, Dr. K.G. Viswanadhan welcomed the Chairman and all other members to the meeting. He gave an overview of the status of procurement and other activities in the college. Dr. P. Venkitanarayanan, Chairman in his opening remarks congratulated the highest scored students.

20.BoG.A1. Confirmation of the Minutes of the 19th Meeting of the Board of Governors held on 11.03.2016 at CE Kidangoor

The Minutes of the 19th meeting of Board of Governors of TEQIP Phase II on **11.03.2016** 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 the agenda notes.

Decision Sought: BoG may consider the minutes for confirmation.

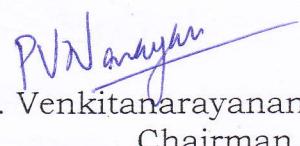
Resolution: The Board confirmed the minutes.

20.BoG.A2. Action Taken Report

The decisions taken by the Board as recorded in the Minutes of the 19th Meeting of the Board of Governors of TEQIP Phase II held on 11.03.2016 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
19. BoG B1. 1.1	Sanction was sought to attend the following outstation training programs for faculty.					
Sl. No	Name	Topic	Institution	Date	Amt	
1	Dr. K.G. Viswanadhan, Principal	Quality Assurance Through Outcome Based Accreditation	NBA at Leela Ambience Hotel and Residences, Gurgaon,	18/03/16 20/03/16	47232	Attended
2	Dr. Roobin V. Varghese	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	17/03/16 19/03/16	11000	Not attended as the organizing institution cancelled the course
3	Anu S. Mattam	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	17/03/16 19/03/16	11000	
4	Bindiya Hari P.	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	17/03/16 19/03/16	11000	
5	Jisha Balakrishnan	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	17/03/16 19/03/16	11000	
6	Pradeep T.S.	Instrumentation Engineering	LBS, Trivandrum	18/04/16 23/04/16	4500	
7	Pradeep T.S.	Advanced Microcontroller Based System Design	CDAC, Trivandrum	17/05/16 20/05/16	12000	
8	Rekha K.S.	High Performance Computing	RIT, Pampady	14/03/16 18/03/16	1179	
9	Anitha R.	High Performance Computing	RIT, Pampady	14/03/16 18/03/16	1179	
10	Anith Krishnan	Continuing Education Programme Summer Faculty Research Fellow Programme	IIT Delhi	18/05/16 15/07/16	28494	

	11	Vivek Raju	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	21/04/16 23/04/16	11000	Not attended as the organizing institution cancelled the course
	12	Sunish Kurian	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	21/04/16 23/04/16	11000	
	13	Ramnath P.	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	21/04/16 23/04/16	11000	
	14	Wrinkle Joseph	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	21/04/16 23/04/16	11000	
	15	Bilso Joseph	Industrial Familiarization Program for Engineering Faculty	PETRAC, Moolamattom	21/04/16 23/04/16	11000	

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.

19. BoG. B1.1.2 Sanction was sought to conduct the following in house programmes for faculties.

Sl. No.	Dept.	Topic/ Details of Expert	Date	No. of Participants	Amount	
1	ECE	Workshop on High Frequency Structure Design, Entuple Technologies Bangalore (Deepthy Mathew)	17/03/16 - 21/03/16	45	57603	Conducted
2	ECE	Workshop on Wired & Wireless Communication Tools, NI Systems (Shiney Thankachen)	20/04/16 - 27/04/16	43 (39+4)	92892	
3	ECE	FDP on Advances in Non Linear Control and its Applications, Academic Experts from CET/ NIT (Dr. Rini Jones)	31/03/16 - 06/04/16	35 (27+8)	82907	
4	ECE	FDP on Linear Algebra& its Applications, Academic Experts from CET/ NIT (Syamesh K.G.)	02/05/16 - 06/05/16		100000	Postponed to August 2016

Deputy Secretary

Dr. K.G. Viswanadhan
Member Secretary

P.V.Narayanan
Dr. P. Venkitanarayanan
Chairman

	5	EEE	Advances In Generation and Control of Electric Power System Using Power Electronics and Drives, Experts from Govt. Engg. Colleges, Amrita University etc (Sonima M.P.)	04/04/16 - 08/04/16	39 (33+6)	77805	Conducted
	6	CSE	Natural Language Processing and Machine Learning, Dr. Sajeev G P, Associate Professor, Amrita School of Engg, Kollam Dr.Sreeraj M, Assistant Professor, FISAT Sindhu L, Assistant Professor, College of Engg, Poonjar (Jyothis Thomas)	18/04/16 - 22/04/16	45	83913	Conducted
	7	IT	Recent Trends in Cloud and Cloud Security, K.B. Muraleedharan, Asst. Prof., DCS, CUSAT (Rekha V.R.)	25/04/16 - 29/04/16		125000	Postponed to 29/08/16 to 02/09/16

Resolution : The board approved all the proposals.

19. BoG.	Sanction was sought to conduct the following expert sessions for students.																																								
B1.2. 1	<table border="1"> <thead> <tr> <th>Sl. No</th> <th>Dept.</th> <th>Topic/Details of Expert</th> <th>Date</th> <th>Class</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>EEE</td> <td>A Bottom up Approach Through Non Conventional Energy Resources , Dr. Sasi K. Kottayil, Professor, Amrita College of Engg., Coimbatore (Salini M. Venugopal)</td> <td>28/03/16</td> <td>S6</td> <td>7160</td> </tr> <tr> <td>2</td> <td>EEE</td> <td>Innovation to Modulation Technology, Silpa S. Prasad, AP, College of Engg. Aranmula (Sreekala Mohan)</td> <td>21/3/16</td> <td>S4</td> <td>3909</td> </tr> <tr> <td>3</td> <td>EC</td> <td>VLSI, Silpa S. Prasad, AP, College of Engg. Aranmula (Syama R.)</td> <td>08/07/16</td> <td>S5</td> <td>5000</td> </tr> <tr> <td>4</td> <td>EC</td> <td>Electromagnetic Theory, Dr. Premlet, Associate Prof., TKM College of Emgg., Kollam (Syama R.)</td> <td>15/07/16 - 16/07/16</td> <td>S5</td> <td>12000</td> </tr> <tr> <td>5</td> <td>EC</td> <td>Sensors & Controllers, Dr. Binu L.S., Assistant Professor, College of</td> <td>22/07/16</td> <td>S7</td> <td>5000</td> </tr> </tbody> </table>					Sl. No	Dept.	Topic/Details of Expert	Date	Class	Amount	1	EEE	A Bottom up Approach Through Non Conventional Energy Resources , Dr. Sasi K. Kottayil, Professor, Amrita College of Engg., Coimbatore (Salini M. Venugopal)	28/03/16	S6	7160	2	EEE	Innovation to Modulation Technology, Silpa S. Prasad, AP, College of Engg. Aranmula (Sreekala Mohan)	21/3/16	S4	3909	3	EC	VLSI, Silpa S. Prasad, AP, College of Engg. Aranmula (Syama R.)	08/07/16	S5	5000	4	EC	Electromagnetic Theory, Dr. Premlet, Associate Prof., TKM College of Emgg., Kollam (Syama R.)	15/07/16 - 16/07/16	S5	12000	5	EC	Sensors & Controllers, Dr. Binu L.S., Assistant Professor, College of	22/07/16	S7	5000
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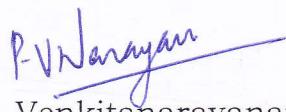
Tepreswari

Dr. K.G. Viswanadhan
Member Secretary

PV Venkitanarayanan

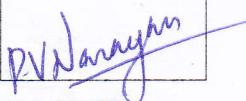
		Engg. Trivandrum (Syama R.)				
6	Appl. Scienc e	Photonics, Dr. B. Premlet, HOD Physics, TKM, Kollam (Sreekala U.)	28/03/16 — 30/03/16	S2 EEE/E C/EI	21330	
7	Appl. Scienc e	Energy Conversion Devices, Mr. Sajumon, Asso. Prof in ME, RIT, Pampady (Wringle Joseph)	07/04/16 08/04/16	S2 EEE/C E	8450	
8	Appl. Scienc e	3D Modelling & Industrial Based Design, Mr. Antony J.K., AP in ME, RIT (Ramnath P. & Bilso Joseph)	08/04/16 09/04/16	S2 IT/EC/C S	8096	
9	EEE	Recent Trends in Transformer Design, Shino G. Babu, AP, VKCET, Kollam (Pradeeshkumar D.)	19/03/16	S4	3981	
10	EEE	Commutation Failure and Remedial Measures in DC Machines, Ajisha S., AP, CE Vadakara (Pradeeshkumar D.)	26/03/16	S4	3968	
11	EEE	Novel Converter Topology in SRM Rajesh R., AP, MES, Kollam (Pradeeshkumar D.)	02/04/16	S4	3974	
12	EC & EI	Signal Sampling, Dr. Vinu Thomas, Associate Professor, MEC Thrikkakara (Joby James)	13/04/16	S4	6500	Postponed due to inconvenience of the experts
13	EC & EI	Fourier Transform Application, Dr. M.V.Rajesh Principal, ISST, Muvattupuzha (Joby James)	15/04/16	S4	6500	
14	EC	Digital Image processing (Wavelets), Dr. Vinu Thomas, Associate Professor, MEC Thrikkakara (Joby James)	21/03/16	S6	5932	Conducted all other programs
Resolution : The board approved all the programs and asked to present the feedback of students for all programs.						


Dr. K.G. Viswanadhan
Member Secretary


Dr. P. Venkitanarayanan
Chairman

19. BoG. B1.2. 2	Sanction was sought to conduct the following Remedial Classes.	
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
	Control System Engineering	10
	Hardware Modelling	10
	Digital Image Processing	10
S2 EE	BE 110 Engineering Graphics	20
S4 EE	Electrical Machines I	20
S2 EE	Introduction to Electrical Engineering	20
S4 EI	Power Electronics	12
S4EI	Signals and Systems	12
S4 EI	Electronics Circuits II	12
S6 EI	Analysis and Design of Instrumentation Systems	12
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

conducted



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

Resolution : The board approved all the proposals.

19. BoG. Sanction was sought to conduct the following programmes for students under III Cell.

B1.3

Sl. No	Dept	Topic/Details of Expert	Date	Class	Amount	
1	EC	Antenna Design, Entuple Technologies Bangalore	11/04/16 13/04/16	M.Tech 1 st and 2 nd Year	15175	
2	EC	USRP, LAB VIEW, Wireless Sensor Nodes , NI Systems	20/04/16 27/04/16	M.Tech 1 st and 2 nd Year	14826	
3	EE	Familiarisation of Transmission System, Prashant Kumar Maintenance Engineer , FACT	23/03/16	S6	6000	Postponed to Aug 5, 2016
4	CE	Kerala Building Rules & Regulations, Mr.Anil Kumar, Town Planner, Kottayam	17/3/16	S4 CE	4272	
5	CE	Applications of Fluid Mechanics to engineers, Er.Bineesh.B, Assistant Executive Engineer, KWA, Alappuzha	18/3/16	S4 CE	7000	Not conducted as the expert was not available on that day and later the exams for the students begun

Resolution: The board approved all the proposals.

					Conducted all other programmes
19. BoG. B1.4	Sanction was sought to conduct the following finishing school programmes for students.				
Sl. No.	Topic/ Details of Experts	Period	Class & Sem	Expenditure	
1	Autocad 2D, Autodesk authorised training centre	01/06/16 - 03/06/16, 06/06/16, 07/06/16	S7 EEE	32832	Conducted
2	Autocad Electrical, Autodesk authorised training centre	08/06/16 to 10/06/16, 13/06/16 to 17/06/16	S7 EEE	70000	Postponed
3	Autocad 2D, Autodesk Authorised Training Centre	25/07/16 29/07/16	S5 EEE	35000	Forthcoming
4	Personality Development Programme, Dr. Sudeep B. Chandra	04/07/16 06/07/16	EC	15000	Coordinator stated that no assistance required from TEQIP
5	CCNA Training, ACCEL IT Academy	19/04/16 29/04/16	S8	98290	Conducted
6	Training on Quantitative Aptitude, Career Launcher Trivandrum	02/05/16 07/05/16	S6	65000	
7	Pre-placement Training, Career Launcher Trivandrum	06/06/16 11/06/16	S6	65000	
8	GD Training, Career Launcher Trivandrum	04/07/16 12/07/16	S6	80500	Postponed due to delay in reopening of class.
Resolution : The board approved all the proposals.					


Dr. K.G. Viswanadhan
Member Secretary


Dr. P. Venkitanarayanan
Chairman

19. BoG. B2.1	Requested to ratify the outstation programmes without the approval of the BoG given in below table.				
Sl. No	Name	Details of programme	Date	Amt.	Settled all the bills and reimbursed the amount
1	Jyothilakshmi J., AP in EEE	Power Industry Familiarisation, PETARC, Moolamattom	08/02/16 — 10/02/16	10307	
2	Jasmi M.S., AP in EEE			10345	
3	Mohammed Aslam, Tradesman, EEE			11000	
4	Shiney Thankachen, AP in ECE	Labview & USRP, College of Engineering Karunagappally	19/02/16 — 24/02/16	5507	
5	Deepthy Mathew, AP in ECE			5507	
6	Syama R. AP in ECE			5232	
7	Binimol V.K., AP in EEE			3000	
8	Dr. Rini Jones S.B., AP in ECE	Strategic Planning for Engineering Colleges, College of Engineering Vadakara	18/02/16	3000	
9	Anitha R., AP in CS			3000	
10	Sanoj R., AP in IT			3000	
11	Dr. Roobin V. Varghese, Prof. in CE			3000	
12	Jibin Joseph, AP in EEE	International Conference on Electrical, Electronics & Optimization Techniques, DMI College of Engineering, Chennai	03/03/16	9758	
13	Ajan A., AP in EEE			10068	
14	Jasmi M.S., AP in EEE	Research Methodology and Scholarly Writing Skills, College of Engineering, Perumon	08/03/16 10/03/16	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	5081	
Resolution: The board ratified all the programs.					

Dr. K.G. Viswanadhan

Dr. K.G. Viswanadhan
Member Secretary

19. BoG. B2.2	<p>Requested to ratify a finishing school program conducted without the approval of the board.</p> <table border="1" data-bbox="325 280 1278 415"> <thead> <tr> <th data-bbox="325 280 404 347">Sl. No.</th><th data-bbox="404 280 690 347">Subject / Area of Training</th><th data-bbox="690 280 817 347">Period</th><th data-bbox="817 280 1040 347">Details of Expert</th><th data-bbox="1040 280 1278 347">Expenditure</th></tr> </thead> <tbody> <tr> <td data-bbox="325 347 404 415">1</td><td data-bbox="404 347 690 415">TCS Pattern Training</td><td data-bbox="690 347 817 415">29/02/16 01/03/16</td><td data-bbox="817 347 1040 415">Career Launcher</td><td data-bbox="1040 347 1278 415">23000</td></tr> </tbody> </table>	Sl. No.	Subject / Area of Training	Period	Details of Expert	Expenditure	1	TCS Pattern Training	29/02/16 01/03/16	Career Launcher	23000	Settled and reimbursed the amount																																												
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1	TCS Pattern Training	29/02/16 01/03/16	Career Launcher	23000																																																				
19. BoG. B3	<p>Sanction was sought to reimburse the fees of following faculties pursuing higher studies.</p> <table border="1" data-bbox="325 505 1278 898"> <thead> <tr> <th data-bbox="325 505 404 594" rowspan="2">Sl. No</th><th data-bbox="404 505 611 594" rowspan="2">Name of Faculty</th><th colspan="5" data-bbox="659 505 1278 594">Amount of course fee to be sanctioned</th></tr> <tr> <th data-bbox="659 550 738 617">Sem 1</th><th data-bbox="738 550 817 617">Sem 2</th><th data-bbox="817 550 897 617">Sem 3</th><th data-bbox="897 550 976 617">Sem 4</th><th data-bbox="976 550 1230 617">Total</th></tr> </thead> <tbody> <tr> <td data-bbox="325 617 404 662">1</td><td data-bbox="404 617 611 662">Shandry K.K.</td><td data-bbox="659 617 738 662"></td><td data-bbox="738 617 817 662"></td><td data-bbox="817 617 897 662"></td><td data-bbox="897 617 976 662">13280</td><td data-bbox="976 617 1230 662">13280</td></tr> <tr> <td data-bbox="325 662 404 707">2</td><td data-bbox="404 662 611 707">Soumya K.G.</td><td data-bbox="659 662 738 707"></td><td data-bbox="738 662 817 707"></td><td data-bbox="817 662 897 707"></td><td data-bbox="897 662 976 707">45000</td><td data-bbox="976 662 1230 707">45000</td></tr> <tr> <td data-bbox="325 707 404 752">3</td><td data-bbox="404 707 611 752">Rana Surendran</td><td data-bbox="659 707 738 752"></td><td data-bbox="738 707 817 752"></td><td data-bbox="817 707 897 752"></td><td data-bbox="897 707 976 752">13280</td><td data-bbox="976 707 1230 752">13280</td></tr> <tr> <td data-bbox="325 752 404 796">4</td><td data-bbox="404 752 611 796">Suresh A.R.</td><td data-bbox="659 752 738 796"></td><td data-bbox="738 752 817 796"></td><td data-bbox="817 752 897 796"></td><td data-bbox="897 752 976 796">12865</td><td data-bbox="976 752 1230 796">12865</td></tr> <tr> <td data-bbox="325 796 404 841">5</td><td data-bbox="404 796 611 841">Muhammed Ameen P.P.</td><td data-bbox="659 796 738 841"></td><td data-bbox="738 796 817 841">16320</td><td data-bbox="817 796 897 841"></td><td data-bbox="897 796 976 841"></td><td data-bbox="976 796 1230 841">16320</td></tr> <tr> <td data-bbox="325 841 404 909">6</td><td data-bbox="404 841 611 909">Shiney Thankachan</td><td data-bbox="659 841 738 886"></td><td data-bbox="738 841 817 886"></td><td data-bbox="817 841 897 886"></td><td data-bbox="897 841 976 886">1575</td><td data-bbox="976 841 1230 886">1575</td></tr> </tbody> </table> <p>Resolution: The board approved and permitted to reimburse the amount.</p>	Sl. No	Name of Faculty	Amount of course fee to be sanctioned					Sem 1	Sem 2	Sem 3	Sem 4	Total	1	Shandry K.K.				13280	13280	2	Soumya K.G.				45000	45000	3	Rana Surendran				13280	13280	4	Suresh A.R.				12865	12865	5	Muhammed Ameen P.P.		16320			16320	6	Shiney Thankachan				1575	1575	Reimbursed
Sl. No	Name of Faculty			Amount of course fee to be sanctioned																																																				
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2	Soumya K.G.				45000	45000																																																		
3	Rana Surendran				13280	13280																																																		
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5	Muhammed Ameen P.P.		16320			16320																																																		
6	Shiney Thankachan				1575	1575																																																		



Dr. K.G. Viswanadhan
Member Secretary



Dr. P. Venkitanarayanan
Chairman

19.
BoG.
B4 Sanction was sought to reimburse the registration fee for journal publication of faculties along with students as per the details given the table below.

Sl. No.	Name of Paper	Journal	Name of Faculty/ Student	Amt.
1	Cooperative Black Hole Attack Detection: A Survey	International Journal of Advanced Research in Computer and Communication Engineering	Dhanya Narayan, AP in EC (Alphonsa George, M.Tech EC)	1400
2	Face Recognition in Unconstrained Environments – A Literature Survey	International Journal for Computer and Mathematics	Anitha R., HOD CS (Sreelakshmi K.R., M.Tech CS)	2000
3	Image Recapture Detection Methods: Survey	International Journal of computer & Mathematical Sciences	Anitha R., HOD CS (Rebitha K.R., M.Tech CS)	2000
4	Self Governing Mobile Mesh Network – A Detailed Survey	International Journal of computer & Mathematical Sciences	Rekha K.S., AP in CS (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	Mohammed Nizar B.K., AP in IT (Athira Abraham, M.Tech CS)	3500
6	Reliable Image Dehazing Techniques – A Detailed Survey	International Journal of Digital Application & Contemporary Research	Mohammed Nizar B.K., AP in IT (Sajana M. Iqbal, M.Tech CS)	1249
7	Learning Liveness Detection and Classification of Iris Images – A Detailed Survey	International Journal of Computer Science and Information Technologies	Rekha K.S., AP in CS (John Joy, M.Tech CS)	3500
8	Enhancing the Capacity of Steganography using Reversible Texture	International Journal of Computer	Sanoj R., AP in IT Reenu Mariam	3500

Under process

Dr. K.G. Viswanadhan
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		Synthesis with Edge Adaptive and Tree Based Parity Check Method – A Detailed Survey	Science and Information Technologies	Cherian, M.Tech CS)		
9		Embedding Audio Message in Images using Integer Wavelet Transform – A Detailed Survey	International Journal of Computer Science and Information Technologies	Sanoj R., AP in IT (Julie Antony K., M.Tech CS)	3500	
10		JPEG-A Compression Tool Implemented in Matlab	International Journal of Computer Science and Information Technologies	Sanoj R., AP in IT (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	Lekshmy P. Chandran, AP in IT (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	Lekshmy P. Chandran, AP in IT (Jerril Mathson Mathew, M.Tech CS)	3500	Under process
13		Leaker Detection In Open Network	International Journal of Digital Application & Contemporary Research	Jyothis Joseph, AP in CS (Remya G. Nair, M.Tech CS)	1663	
Resolution : The board permitted to reimburse the amounts. BoG appreciated the students and faculty for their efforts. The Board suggested to display the 1 st 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.						Reimbursed all other

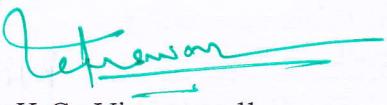
**19.
BoG.
B5**

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
1	IEEE International Conference on Electrical, Electronic and Optimization Techniques at DMI College of Engineering, Chennai from 3 rd to 5 th March 2016	Performance Comparison of Bridge Converter and Modified Miller Converter	Jubin Babu, S8EEE Midhun Mohan, S8EEE	6914
2				6914
3	IEEE International Conference on Wireless Communications, Signal Processing and Networking at SSN College of Engineering, Chennai from 23 rd to 25 th March 2016	Securing Passwords from Dictionary Attack with Character-Tree	Jacob Jose, S8 IT	7925
4			Anjali Krishna V., S8 IT	7925
5			Tibin T. Tomy, S8 IT	7925
6			Vibin Karunakaran, S8 IT	7925
7	IEEE International Conference on Electrical, Electronic and Optimization Techniques at DMI College of Engineering, Chennai from 3 rd to 5 th March 2016	Design and Development of Electromagnetic Launch Pad for Weather Forecasting	Ajay Raj, S8EEE	6414
8			Ajith Soman, S8 EEE	6414
9			Jithin Mathew, S8 EEE	6414
10			Manu Prasad M., S8 EEE	6414
11	IEEE International Conference on Electrical, Electronic and Optimization Techniques at DMI College of Engineering, Chennai from 3 rd to 5 th March 2016	Harmonics Mitigation in Distribution System by SMES Sourced Multilevel D-STATCOM	Mohammed Hassain, S8 EEE	6414
12			Rahul Raj, S8 EEE	6414
13			Sreejith G. Palackal, S8 EEE	6414
14			Vineeth V. Nair, S8 EEE	6414
15	National Conference on Future Technologies in Power, Control and Communication Systems (NFTPCOS '16) at College of Engineering Perumon, Kollam from 10 th to 12 th March 2016	Obstacle Avoidance for Quadcopter	Abijit Balan, S8 EEE	1600
16			Akshay Haridas, S8 EEE	1600
17			Praveena Vijayan, S8 EEE	1600
18			Anju Sudhakar S8 EEE	1600
19		Performance Analysis of a	Anandu K. Ravi, S8 EEE	1600

Not claimed

	20	PI Controller for Closed Loop Speed Controlling of BLDC Motor Dual Mode Boost Converter	Christy Treesa Thomas, S8 EEE	1600	
	21		Jofin Joykutty, S8 EEE	1600	
	22		Mohitha Mohan S8 EEE	1600	
	23		Haritha T., S8 EEE	1600	
	24		Mamatha S. Babu, S8 EEE	1600	
	25		Parvathi T.S., S8 EEE	1600	
	26		Vinitha V.N., S8 EEE	1600	
	27		Performance Study of SMES	Jibu Jacob Joy, S8 EEE	1600
	28		Sourced SVPWM Inverter and Traditional SVPWM Inverter	Haja Moideen Pasha A., S8 EEE	1600
	29		Krishnaprasad, S8 EEE	Krishnaprasad, S8 EEE	1600
	30		Swathi V.P., S8 EEE	Swathi V.P., S8 EEE	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 nd to 23 rd April 2016	Weighted Guided Gaussian Single Image Dehazing	Sajana M. Iqbal, 2 nd Year MTech CS	6341
	32	International Conference on Technical Challenges in Instrumentation, Computer Science, Civil, Mechanical, Electronics & Electrical Engineering at Christ Knowledge City, Mannor, Moovattupuzha on March 5, 2016	Methods to Enhance the Security and Embedding Capacity of Steganography	Reenu Mariam Cherian, MTech CS	2600
	33		Methods to Enhance the Capacity of Embedding Data in JPEG Images	Julie Antony K., MTech CS	2600
	Resolution : The board permitted to reimburse the amount.				Reimbursed all other


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19. BoG. B6	<p>Permission was sought to allow students for attending workshops which satisfy the following conditions</p> <ol style="list-style-type: none"> 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 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. <p>Resolution: The Board permitted this proposal satisfying all the suggested norms. BoG also suggested to follow the following conditions for Internship</p> <ol style="list-style-type: none"> 1. Work has to be done here. 2. Travelling as per road travel rate and for outstation candidate 2nd 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. 		Kept for discussion in College staff Council								
19. BoG. B7	<p>Sanction was sought to enhance the remuneration of TEQIP II staffs as per G.O.(P) No.28/2016/Fin dated 26/02/2016.</p> <p>Resolution: The board asked to obtain clarification regarding this from SPFU.</p>	SPFU asked to wait till the next SSC									
19. BoG. B8	<p>Requested to approve the packages given in below table and permit to initiate them. Also requested to give approval for the cancellation of civil works package.</p> <table border="1" data-bbox="322 1858 1248 2049"> <thead> <tr> <th data-bbox="322 1858 393 1937">Sl No</th><th data-bbox="393 1858 655 1937">Package Name</th><th data-bbox="655 1858 790 1937">Estimated Amount</th><th data-bbox="790 1858 1248 1937">Revision Comments</th></tr> </thead> <tbody> <tr> <td data-bbox="322 1937 393 2049">1</td><td data-bbox="393 1937 655 2049">Solar Power Plant</td><td data-bbox="655 1937 790 2049">444941</td><td data-bbox="790 1937 1248 2049">18th BoG decided to cancel the package Hart Calibrator and to reinitiate the package Solar PV.</td></tr> </tbody> </table>	Sl No	Package Name	Estimated Amount	Revision Comments	1	Solar Power Plant	444941	18 th BoG decided to cancel the package Hart Calibrator and to reinitiate the package Solar PV.		Payment Stage <i>PV Narayanan</i>
Sl No	Package Name	Estimated Amount	Revision Comments								
1	Solar Power Plant	444941	18 th 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.	Completed
	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		Completed
Resolution : The board approved these packages and for Civil Works packages asked to get approval of CAPE also.					For Sl. No.3 & 4, initiated again by splitting the package, but all the quotations received were very higher than the estimated amount and were not responsive, so cancelled it and initiated again as furniture shopping, kept for ratification in item no 20.BoG.B9
19. BoG. B9	Requested to ratify the change in Finance Nodal Officer from Sri. Vinod P., AP in EI to Sri. Sunish Kurian, AP in ME as Sri. Vinod P. had been transferred to CE Vadakara and also to relieve Sri. Sunish Kurian from his additional duty of Asst. Procurement Nodal Officer. Resolution : The board ratified the change of Finance Nodal Officer and also may relieve Sri. Sunish Kurian from his additional duty of Asst. Procurement Nodal Officer.				
19. BoG. B10	Requested to note the change in faculty representation in BoG as 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. Resolution : Noted.				

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

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Member Secretary

Dr. P. Venkitanarayanan
Chairman

Resolution: BoG examined the action taken report and approved. The board also made the following suggestions.

- Sri Renjith Kumar suggested that for remedial classes the details of students may be added. The number of the students to have attended and the actual number of students attended should be included from the next BoG onwards.

Part B

Items for Discussion, Consideration and Approvals

20.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.



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20.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	Tentative Date		Expenditure			(Expected) Outcome / Objective	
					From	To	Course Fee	TA/DA	Total		
1	EI	Saji Justus	Fuzzy Interpolative Controller and Applications	NIT, Silchar, Assam	7	19/09/16	26/09/16	2500	47500	50000	Exploit new trends in Fuzzy Controller
2	EI	Vishnu Mohan	Fuzzy Interpolative Controller and Applications	NIT, Silchar, Assam	7	19/09/16	26/09/16	2500	47500	50000	Exploit new trends in Fuzzy Controller
3	EI	Dinu A.G.	Biomedical Signal Processing	TKMCE, Kollam	7	21/07/16	27/07/16	1000	2500	3500	Understand synthesis of Bio signals
4	EI	Dinu A.G.	Educational Research Analytics	IT, Kharagpur	5	26/09/16	30/09/16	15000	20000	35000	Able to know new methods in research
5	CS	Suresh A.R.	Software Testing	ESCI, Hyderabad	4	23/08/16	26/08/16	20700	15000	35700	Improve Software Testing Skills
6	CS	Suresh A.R.	Education Research and Analysis	IT Kharagpur	5	26/09/16	30/09/16	15000	20000	35000	To learn various tools and techniques to analyze and interpret data
7	IT	Muhammed Nizar B.K.	Software Testing	ESCI, Hyderabad	4	23/8/16	26/8/16	20700	15000	35700	To acquire the practical knowledge in Software Testing
										Dr. P. Venkitanarayanan Chairman	
										Dr. K.G. Viswanadhan Member Secretary	

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8	IT	Muhammed Nizar B.K.	Educational Research and Analysis	IIT, Kharagpur	5	26/9/16	30/9/16	15000	20000	35000	To learn various tools and techniques to analyze and interpret data
9	IT	Sanoj R.	Research Trends in Computing & Algorithms	Model Engg. College, Thrissur	5	25/07/16	29/07/16	35000	2500	37500	To get research directions in computing and algorithms
10	IT	Krishnaveni V.	Research Trends in Computing & Algorithms	Model Engg. College, Thrissur	5	25/07/16	29/07/16	35000	2500	37500	To get research directions in computing and algorithms
11	IT	Remyamol R.	Research Trends in Computing & Algorithms	Model Engg. College, Thrissur	5	25/07/16	29/07/16	35000	2500	37500	To get research directions in computing and algorithms
12	CS	Mary Priyanka K.S.	Research Trends in Computing & Algorithms	Model Engg. College, Thrissur	5	25/07/16	29/07/16	35000	2500	37500	Exploit new trends in high performance computing
13	EC	Dhanya Narayan	Recent Trends in Biomedical Signal & Image Processing	TKM College of Engg. Kollam	5	21/7/16	27/7/16	1000	4000	5000	Update the knowledge of modelling biosignals
											434900

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Dr. K.G. Viswanadhan
Member Secretary

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V. Venkitanarayanan
Dr. P. Venkitanarayanan
Chairman

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

Resolution: 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 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	CE	Finite Element Methods (Gitty Rose Eugine, Bindhiya Hari P. & Sabna Mohanan)	29/08/16	02/09/16	5	16	12	28	95000 Improve teaching efficiency and subject knowledge in FEM
2	CS	Recent Trends in Bioinformatics (Rekha K.S. & Shandry K.K.)	23/09/16	29/09/16	5	35	10	45	100000 To get deep insight on databased, tools and recent trends in bio-informatics.
3	CS	National Conference on "Novel and Challenging issues"	19/10/16	20/10/16	2	20	30	50	500000 1)Dr. J. Jayakumari, Professor & Head, Department of ECE, AP, RIT, Kottayam 2)Dr. Vineetha S., AP, RIT, Kottayam
		<u>Dr. K.G. Viswanadhan</u>				<u>Dr. P. Venkitanarayanan</u>		<u>To get innovative ideas and develop research methodologies through technical</u>	
						<u>Dr. P. Venkitanarayanan</u>		<u>Chairman</u>	

	and Recent innovations in Engineering and Information Sciences' (Angel Viji K.S. & Suresh A.R.)	Noorul Islam University, Kumaracoil. 2) Dr. N. Kavitha, ASP / CS, RIT, Kottayam and others	sessions and key note addresses.
4	Preparatory Training Program for Electrical Supervisor Grade A Certification 26/09/16 (Pradeesh Kumar D. & Soumya K.G.)	15 35 15 5 30/09/16	1. To enhance the knowledge level in subject specified in the curriculum. EE 702 Design Estimation & Costing 2. To get more realistic approach in the field on HT / EHT installations 3. To equip the participants to achieve grade A electrical supervisory certification Experts from electrical inspectorate
5	Hands on Sessions on Raspberry Pi	16/8/16 18/8/16 3 45 15 60	1).Ninto Anto K. Software Engineer, Code Walker 65000 Dr. P. Venkitanarayanan Chairman
	IT	16/8/16 18/8/16 3 45 15 60	To learn Raspberry Pi and Android <i>PV Venky</i> Dr. K.G. Viswanadhan Member Secretary

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	(EDA) Tools								
9	National Conference on 'Innovations in Communications, Signal Processing & Embedded systems'	6/10/16	7/10/16	2	15	35	50	500000	Experts from leading Academic Institutions Will get an exposure to the current research areas

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

Resolution: 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.

20.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.

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Sl. No .	Depart ment	Subject / Area of Training	From	To	Period No. of days	Class & Sem.	Expected no. of Participants	Details of Expert	Planned Expenditure
1	EI	Short Term training course on Control system using MatLab (Shincy P. Kunjumon, Bushara M., Dinu A.G.)	26/09/16	30/09/16	5	S5	30	Rajesh Joseph Abraham, Dept. of Avionics, IIIST TVM	45000
2	EI	Digital Systems (Vishnu Mohan)	11/09/16	12/09/16	2	S3	30	Lalu Seban, Assistant Professor, NIT Silcher	18000
3	EI	Automatic Process Control (Saji Justus)	22/09/16	23/09/16	2	S7	35	Aby Mathew, Asso. Prof., SJCET, Pala	18000
4	EI	Distributed Control System (Saji Justus)	20/09/16	22/09/16	3	S7	30	Vinod P., AP, CE Vadakara	18000
5	EE	Testing of Transformers (Pradeesh Kumar D.)	02/09/16		1	S3	35	Arun M.S., AP, CE Trikaripur	5000
6	EE	Synchronous Machines Analysis (Pradeesh Kumar D.)	05/09/16		1	S5	40	Ajisha S., AP, CE Vadakara	5000
7	EE	Special Machines (Sonima M.P.)	27/08/16		1	S5 & S7	40	Dr. Ishaa T.B. Prof., Amrita Vishwa Vidyapeetham, Coimbatore	6500
8	EE	Various Aspects of Power System (Salini M. Venugopal)	27/08/16		1	S5	40	Dr. Sasi K., Prof., Amrita Vishwa Vidyapeetham, Coimbatore	6500
9	EE	Physical Significance and Various Implications of	19/08/16		1	S5	40	Dr. Jayan M.V., Prof., RIT Pampady	6000

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		Maxwell's Equations in Field Theory (Indhu P. Nair)					
10	EE	Concepts of Linear Integrated Circuits (Binimol V.K.)	26/09/16	1	S5	40	Sajan Joseph, Asso.Prof., CuCEK, Pulinkunnu
11	EE	Power System Analysis (Soumya K.G.)	29/08/16	1	S7	40	Sreelekha V., AP, CE Idukki
12	EE	Microprocessor and its Applications (Jasmi M.S.)	29/07/16	1	S5	40	Asif Ali, Project Manager, SMEC Automation Pvt. Ltd., Cochin
13	IT	Implementation of Data Structures in C (Muhammed Nizar B.K.)	04/08/16 11/08/16	05/08/16 12/08/16	4	S3 IT	Gopakumar G. Associate Professor in CSE, CE, Chenganoor
14	CS	Practical Approach to Internet of Things (Anitha R.)	23/8/16	1	S7	50	Suresh Kumar N, Research scholar, Cusat
15	CS	Reconfigurable Computing (Jyothis Joseph)	03/10/16	1	M Tech S1 & S3	25	Dr.Pradeep C, Principal, MBC Peermade
16	CS	Recent Trends in Error Detection Methods (Shandry K.K.)	12/08/16	1	S3	35	Dr.Sangeetha Jose, Asst.Prof., GEC Idukki
17	CS	Algorithm Analysis Methods (Suresh A.R.)	16/08/16	1	S7	50	Mr.Anil Kumar , Asst.Prof, GEC Idukki
18	CS	Expert Systems (Rekha K.S.)	05/08/15	1	S7	50	Ms.Sindhu L., Asst. Prof, CE Poonjar
19	CS	Web Development	04/09/16	1	S5	55	Dr. Sreeraj M, Asst.

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		(Mary Priyanka K.S.)					Prof, FISAT	
20	ME	Graphics – The Language of Engineers (Sunish Kurian, Vivek Raju)	29/08/16	31/08/16	3	S2 EC/EI/EE	150	P.I. Varghese, Rtd. Prof., GEC Thrissur 20000
21	Physics	Photonics (Sreekala U.)	01/09/16	03/09/16	3	S2 CS/IT/CE	130	Dr. Premlet, Asso. Prof., TKM College Kollam 20000
22	ME	Energy Conversion Devices (Sunish Kurian, Vivek Raju)	17/09/16	19/09/16	3	S2 EC/EI/EE	130	Prof. Sajimon K.T., Asso. Prof., RIT, Kottayam 15000
23	Applied Science	DISHA (Orientation Programme for 1 st year students) [Dr. C.B. Ajayakumar]	25/07/16	05/08/16	10	S1 All Branch	300	Anoop K.V., Psychologist 50000
24		Motivational Talk (Jisha Balakrishnan, Vivek Raju)	25/07/16	05/08/16	10	S5 All Branch	300	Binish K. Menon Vice Principal, Canadian Central School, Moovattupuzha 55000
25	EC	Embedded Systems	04/08/16		1	S5 EC	30	Ms. Silpa S. Prasad Asst. Professor, College of Engineering , Aranmula 5000
26	EC	Digital Signal Processing	05/08/16		1	S5 EC	30	Ms. Chinchu M. Asst. Professor, College of Engineering , Aranmula 5000
27	EC	Image Processing	05/09/16		1	S7EC	30	Dr. Vinu Thomas, Dr. P. Venkitanarayanan Chairman 6000

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P.N.Jayaram
Chairman



							Associate Professor, Dept. of ECE, Model Engg. College
28	EC	Small Signal Analysis of BJT	07/09/16	1	S3 EC	30	Dr. M.V. Rajesh, Principal, College of Engg. Poonjar
29	EC	Design of Application Specific Integrated Circuits	18/08/16	1	S5 EC	30	Dr. Sindhu, Professor, NSS College, Palakkad
							409000

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

Resolution: 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.

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

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
	Micro Processor	10
S7EI	ITC	10
S3 CS	Data Structures using C	20
	Engg. Maths	15
S5 CS	Engg. Maths II	10
	Engg Maths IV	10
S7 CS	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

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Branch	Subject	No. of Sessions
	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
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

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

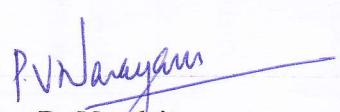
Dr. K.G. Viswanadhan
Member Secretary

Dr. P. Venkitanarayanan
Chairman

Resolution: 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.



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Member Secretary



Dr. P. Venkitanarayanan
Chairman

20.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	EI	Hands on Training on Aurdino (Vishnu Mohan, Dinu A.G.)	03/08/16	05/08/16	3	S3	30	Sreekanth N, Graphics Design Engineer, INTEL	45000
2	EE	Switch Gear and Protection in Power System (Sonima M.P.)	05/08/16		1	S7	40	Prasanth Kumar, Senior Engineer, FACT	6500
3	EEE	Embedded Systems based on Arduino UNO (Anith Krishnan)	25/07/16	05/08/16	10	All branches except CE. Any semester	20	Thomas Sabu (Team Lead, R&D), Neo Green Labs, Ernakulam	36200
4	IT	.Net Programming (Sanoj R.)	29/07/16	30/07/16	2	S5 IT	28	Anil . S Software Associate, QBurst	9000

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5	IT	JAVA Programming using IDE (Eclipse)- Socket Programming, DB Connectivity, RMI Programming (Rana Surendran)	11/08/16 13/08/16	3	S7 IT	18	Designated Experts from Software Industry	13500
6	IT	Android Workshop (Sanoj R.)	28/07/16 30/07/16	3	S7 IT	18	Ninto Anto K. Software Engineer, Code Walker Solutions	13500
7	IT	Flash (Remyamol R.)	19/08/16 20/08/16	2	S7 IT	18	Ralu R.M., Software Engineer WOWMAKERS, Kochi	9000
8	IT	SQL Programming (Krishnaveni V.)	19/08/16	1	S5 IT	28	Anil S. Software Associate, QBurst	4500
9	ME	AUTOCAD for Engineers (Sunish Kurian, Vivek Raju)	20/08/16 27/08/16 03/09/16 22/09/16 23/09/16 24/09/16	6	S2 EEE/EI/ EC	150	1. Gokul M.S., 2. Renju T. Raju 3. Thomas P. Andrews 4. Vishnu Ramesh Trainer Solid CAD, Kottayam	72000

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10	ME	AUTOCAD for Engineers (Sunish Kurian, Vivek Raju)	03/10/16	08/10/16	6	S2 CS/IT/ CE	150	1. Vishnu Vijayan 2. Arjun K. Venu 3. Akhil S. Nair 4. Akhilesh Kumar C. 5. Akhil Raj V. ICAD Moovattupuzha
11	EC	Embedded System Design & Developments	22/07/16	23/07/16	2	S7	30	1. Mr. Rajesh R 2. Arun Gopalakrishnan CDAC, Trivandrum

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

Resolution: The board approved all the proposals.


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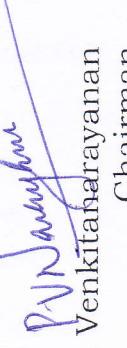
20.BoG.B1.4 Finishing School Programmes

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.	Depart ment	Subject / Area of Training	Period		No. of days	Class & Sem	Expected no. of Participants	Details of Expert	Planned Expenditure
			From	To					
1	EC	Workshop on Management Skills	20/7/16	20/7/16	1	S7 EC	60	Mr. Sudheep B. Chandramana, Asst. Prof. MACFAST, Thiruvalla.	12000
2	EC	Introduction about GATE Exam	18/8/16		1	S7 EC	60	External experts	12000
									24000

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

Resolution: The board approved all the proposals.


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20.BoG. B1.5 Management Capacity Enhancement

A customised residential programme is planned 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.

Decision Sought: The board may consider the proposal and approve.

Resolution: The board approved the proposal.

20.BoG.B2. Ratification of the various training programs 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	Anith Krishnan, EEE(Presented paper)	IEEE International Conference on Circuit, Power & Computing Technologies	Noorul Islam University, Nagercoil	18/03/16 - 19/03/16	4500	3853	8353
2	Salini M. Venugopal, EEE(Presented paper)	International Conference on Innovations in Information Embedded and Communication Systems	Karpagam College of Engineering, Coimbatore	17/03/16 - 18/03/16	2500	3051	5551
3	Dinu A.G., EI(Presented paper)	National Conference on Advances in Informatics and Computing Technology	CE, Perumon	30/03/16 - 31/03/16	1500	1868	3368
4	Dinu A.G., EI	Recent Advancement & Development in Communication Systems	CE Perumon	04/04/16 - 16/04/16	5000	3317	8317
5	Vishnu Mohan, EI	Automation Practice in Industries	NITTR, Chandigarh	25/04/16 - 29/04/16	5725	23081	28806
6	Mary Priyanka K.S., CS	Mathematical Models in Data mining Process	CUSAT	04/04/16 -	1000	2492	3492
7	Jyothis Joseph, CS				1000	2733	3733
8	Remyamol R., IT			08/04/16	1000	2492	3492
9	Nisha C.A., IT				1000	2492	3492
10	Sanoj R., IT	Internet of Things	GEC Idukki	04/04/16 -	1000	521	1521

				08/04/16			
11	Sithara A., EI	Bio Signal Processing	CE Vadakara	25/04/16 - 30/04/16	5000	2914	7914
12	Anith Krishnan, EEE	International Conference on Emerging Trends in Smart Grid Technology	CE Thrikkarippur	21/04/16 - 23/04/16	3500	2301	5801
13	Dr. Roobin V. Varghese, CE	Finite Element Method & Applications in CE	IIT Bombay	04/07/16 - 08/07/16		13742	13742
14	Alish Viji Varghese, Maths	Data Analysis using Computational Software	RIT Pampady	27/06/16 - 02/07/16		1148	1148
15	Syama R., EC	Image Processing in Labview	RIT Pampady	20/06/16		545	545
16	Syamesh K.G., EC			-		545	545
17	Deepthy Mathew, EC			22/06/16		670	670
18	Anitha R., EC	Digital Image Processing	Viswajyothi College of Engineering & Technology, Vazhakulam		1000	1406	2406
19	Jyothis Joseph, CS			27/06/16 - 01/07/16	1000	1406	2406

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

Resolution: The board ratified all the programmes.

20.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. For Sl. No.4, Sri. Mohammed Ameen P.P. had paid in advance the fee for his 4th semester which falls during Dec 2016 to June 2017 which is after the project period.

Sl No	Name of Faculty	Details of Course	Details of Fee Already Paid	Amount of Course fee to be sanctioned				
				Sem 1	Sem 3	Sem 4	Sem 6	Total
1	Binu M.	Ph.D, NIT Calicut		8550				8550
2	Ojus Thomas Lee	Ph.D, NIT Calicut	41520				8100	8100
3	Dhanya Narayan	Ph.D, CUSAT		7520	1655	1655	1655	12485

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4	Mohammed Ameen P.P.	M.Tech, CUSAT	33190		15780	15780		31560
Total								60695

Decision Sought: The board may kindly approve and permit to reimburse the amounts and decide whether we can pay the fourth semester fee of Sri. Mohammed Ameen.

Resolution: 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.

20.BoG.B4. Journal Publications

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	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. Jeethumol 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	1. Deepthy Mathew, AP in EC 2. Namitha Thomas,	1230

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		Technology Research	M.Tech, EC	
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. Thankachen 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
Total			24020	

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PV Narayanan
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Chairman

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

Resolution: Prior to the 20th 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. Conference Paper Presentation

The following students have attended International Conferences as per the details given in below table and requested to meet their expenses 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	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	1500	595		2195
2			Parvathy T.S., S8 EEE	1500	595		2195
3			Vinitha V.N., S8 EEE	1500	595		2195
4			Mamatha S. Babu, S8 EEE	1500	595		2195
5	International Conference on Emerging Trends in Smart Grid Technology Organised by College of Engineering Thrikaripur on 21 to 23 April 2016.	Size Selection in Accordance with Economic Feasibility of Solar PV System for LT-VII A Consumer in Kerala	Aravind Unni S., S8 EEE	2000	300	500	2800
6			Divya Krishnan, S8 EEE	2000	300	500	2800
7			Jojo George Koduvath, S8 EEE	2000	300	500	2800
8			Nidhin Mohan, S8 EEE	2000	300	500	2800
9	National Conference on Advances in	The Patient-Centric Mobile	Anakha K.M., S8 EI	2000	300	500	2800
10			Muhammed	2000	300	500	2800

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Sl. No	Details of Conference	Name of Paper	Name of Students	Details of Expenses			Total
				Regis- tration Fee	Travelling Expense	Accomm- odation	
	Informatics and Computing	Healthcare System and Advanced Insulin Bolus Advisor	Labeeb M.M., S8 EI				
11	Technology by College of Engineering		Sameera Salim, S8 EI	2000	300	500	2800
12	Perumon, Kollam on 30 th March 2016		Sruthi V. Gopal, S8 EI	2000	300	500	2800
13			Zainul Abideen Karumbil, S8 EI	2000	300	500	2800

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

Resolution: The board permitted to reimburse the amount.

20.BoG.B6. Procurement

20.BoG.B6.1 Ratification of new packages

As we have to complete the whole activities of procurement by July 31st, the college has initiated new packages for the balance amount and for the interest amount by getting approval from the procurement committee. The details of the new packages initiated are given in table below.

Sl. No.	Package Code	Name of Package	Estimated Cost	Remarks
1	228	Jefferson Chair II	337500	To furnish the new CGPC seminar hall
2	232	PA System II	100000	For the new CGPC seminar hall
3	229	Glazed Almirah	176000	For department libraries
4	239	Cubicles	4547200	8 Cubicles each for all department staff rooms
5	233	Hall Partitioning	390000	For the new CGPC seminar hall
6	235	Electrical	88694	For installing the

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		Goods		Electrical Machines purchased by TEQIP
7	236	KTU Printer	55000	For the KTU exam cell
8	237	Office Furniture	73000	For purchasing almirahs & racks for keeping files and records

The details of these packages are given in Annexure I

Decision Sought: The Board may kindly ratify the actions and give approval to the new packages.

Resolution: The board ratified the actions and gave approval for the new packages.

20.BoG.B6.2. Subscription renewal of Structural Design Software

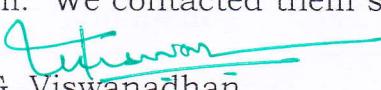
Civil Engineering Department had procured a package through TEQIP named Structural Design Software which consists of 36 packages for their STAAD Lab. Its subscription was for 3 years and it expired on 28 March 2016. The estimated cost for renewing the subscription for another 3 years is ₹1,20,000/-. Now the department has requested to meet this expense from TEQIP.

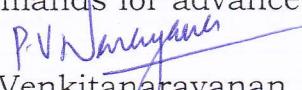
Decision Sought: The board may kindly permit to renew this software and to meet this expense from IOC.

Resolution: 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 licence.

20.BoG.B6.3 Cancellation of the package Dream Spark

We have placed Purchase Order for the package Dream Spark to M/s Kamtron Systems Pvt. Ltd., New Delhi in Dec 2015. But they did not deliver the item. We contacted them so many times and they demands for advance


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payment. As Advance Payment is against TEQIP Norms, we cancelled the package and utilized the amount for other procurement activities.

Decision Sought: The board may kindly ratify the action.

Resolution: The board ratified the action.

20.BoG.B6.4 Balance Payment of Campus Management Software

We have procured Campus Management Software from Orell Software Solutions Pvt. Ltd., Kochi for ₹3,90,000/- on 25/07/2013 and have paid ₹3,51,000/- on 03/08/2013 retaining 10 %.The last two internal audits advised to treat this amount as other income and utilize it for other procurement activities. Hence we treated this amount as balance amount for procurement and utilized this amount for other packages.

Decision Sought: The board may kindly ratify this action.

Resolution: 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.



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Part C
Reports

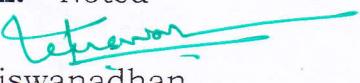
20.BoG.C1. The status of fund position as on 30/06/2016

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

Sl. No.	Activity/Category of Expenditure	Total Budget (in lakh)	Interest	Amount as on 29.02.16	Amount as on 30.06.16	Amount Spend after the last BoG	Committed	Balance to spend
1	Improvement in teaching, training and learning facilities	550	12.60	414.98	481.28	66.3	80.59	0.73
2	Providing Assistantship for increased enrolment in existing and new PG	100	2.29	35.75	49.67	13.92	4.32	48.30
3	Enhancement of R&D and Institutional Consultancy activities	20	0.46	1.03	1.26	0.23	0.23	18.97
4	Faculty and Staff Development (FSD)	100	2.29	67.9	81.07	13.17	3.95	17.27
5	Enhanced Interaction with Industry	40	0.92	4.94	6.68	1.74	0.2	34.04
6	Institutional Management Capacity Enhancement	30	0.69	1.21	1.64	0.43	0	29.05
7	Academic Reforms	20	0.46	13.99	13.99	0		6.47
8	Academic Support for weak students	40	0.92	14.59	16.66	2.07	0.95	23.31
9	Incremental Operating Cost	100	2.29	42.21	47.88	5.67	2.14	52.27
TOTAL		1000	22.91	596.6	700.13	103.53	92.38	230.4

Decision Sought: For the information of BoG

Resolution: Noted


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20.BoG.C2. Result Analysis

The result of S8 of CUSAT April 2016 announced in June 2016 is as follows.

Sl. No.	Dept.	Appeared	Passed	Percentage
1	CE	67	50	74.63
2	CS	67	35	52.24
3	EC	66	35	53.03
4	EE	64	30	46.88
5	EI	60	21	35.00
6	IT	27	12	44.44

S2 KTU examination held in May 2016 and result announced in June 2016 is follows.

Sl. No.	Dept.	Appeared	Passed	Percentage
1	CE	61	27	44.26
2	CS	46	19	41.30
3	EC	45	34	75.56
4	EE	37	24	64.86
5	EI	27	16	59.26
6	IT	14	3	21.43

S5 CUSAT examination held in Nov 2015 and result announced in June 2016 is follows.

Sl. No.	Dept.	Appeared	Passed	Percentage
1	CE	68	54	79.41

2	CS	62	27	43.55
3	EC	68	23	33.82
4	EE	63	26	41.27
5	EI	37	12	32.43
6	IT	18	12	66.67

Decision Sought: For the information of BoG.

Resolution: Noted

The meeting came to a close at 1.30 pm.

K.Viswanadhan
Dr. K.G. Viswanadhan
Member Secretary

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Chairman

Annexure I
Details of Procurement Packages

Sl. No.	Package Code	Package Name	Item	Quantity	Amount
1	228	Jefferson Chair II	Jefferson Chair	75	337500
2	232	PA System II	Power Amplifier	1	100000
			Wall Mount Speaker	2	
			Wired Microphone	1	
			Wireless Collar Microphone	1	
			Wireless Micro Phone	1	
			Mic Stand	1	
			Speaker Stand	1	
3	229	Glazed Almirah	Almirah (Glassed)	16	176000
4	239	Cubicles	Cabin Table	56	4547200
			Mobile Pedastal	56	
			Flush Door	56	
			L Shape Partition Wall	56	
			Pantry Table	7	
			Chair	56	
			3x5A Plug Point	56	
			LAN Termination	56	
			Partition Wall	1	
5	233	Hall Partitioning	Partition Wall with Glass	1	390000
			Vision		
			Flush Door	4	
6	235	Electrical Goods	Double Pole ELCB	2	88694
			Double Pole Isolator	2	
			Distribution Board	1	
			DP Isolator	3	
			4P MCB	5	
			DP MCB	1	
			DP Isolator with enclosure	1	
			Armoured Al. Cable - 1	100	
			Armoured Al. Cable - 2	100	
			Copper Wire - 1	100	
			End termination - 1	20	
			End termination - 2	8	
			Perforated cable trays	20	
			Copper wire- 2	150	
			Copper Wire - 3	50	
			Cable terminals	100	
			Flexible hose	20	
7	236	KTU Printer	Workgroup Printer	1	55000
8	237	Office Furniture	Office Almirah	6	73000
			Steel Rack	5	
					5767394



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