

TKM College of Engineering, Kollam
TEQIP PHASE – II

Faculty Development Programmes

Statement of expenditure

SI No:	Activity	Amount Actually spent as on date 31.10.13 in lakhs	Planned to be spend till December 2014 in lakhs	Total in lakhs
1	FSD	25	135	160
2	Research and consultancy activities	0.3	30.3	30.6
3	Reforms	0.3	22.65	22.95
4	Management capacity building	3.5	30	33.5
5	Teaching assistantship	0	30	30
6	Attending Conference (IOC)	4.5	42	46.5
	Grand Total	33.6	289.95	323.55

FSD

Action plan till 31.12.13

A. In house programmes

1. Faculty Development Plan for Training in Subject Domain based on TNA (5 days duration)

Name of Department: Civil Engineering

Sl. No	Title of the course	Name of coordinator/s	From – To	No. of days	Participation (nos) expected				Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges	Total		
1	Training on total station & GPS	Prof. R. Hazeena	11/11/2013 to 15/11/2013	5	30	10	10	50	0.9	Updating knowledge
2	Photo geology & remote sensing	Dr. Udayakumar	09/12/2013 to 13/12/2013	5	20	10	5	35	1	Updating knowledge
3	Water resources & climate change	Prof. Vincent K John Prof. Adarsh.S	25/11/2013 to 29/11/2013	5	20	10	5	35	1	Updating knowledge
								Total	2.9	

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the course	Name of coordinator/s	From - To	No. of days	Participation (nos) expected				Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges	Total		
2	FDP on Soft computing	Prof Abid Hussain , Prof Nishanth	4/11/13 to 9/11/13	5	10	5	15	30	1.5	Improving competence in the subject
3	Simulation Tools for RF and Microwave Design.	Dr.Sheeba.O Pof.Heera Karunakaran	20/11/13 to 24/11/13	5	10	5	15	30	1.5	Improving competence in the subject
4	Image Processing & Applications.	Dr. Sheeba.O, Prof. Preetha Basu	Dec. 2013	5	10	5	15	30	1.5	Improving competence in the subject
Total									4.5	

2. Faculty Development Plan for Training in areas other than Subject Domain based on TNA (5 days duration)

Name of Department: Electrical and Electronics Engineering

Sl. No	Title of the course	Name of coordinator/s	From - To	No. of days	Participation (nos) expected				Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges	Total		
1	Simulation softwares for Electrical engineering	Prof. V. Gayathri	04/11/13 to 08/11/13	5	20	5	5	30	1.5	To be equipped with new software tools in Electrical Engg.
2	English for Technical Communication and Research	Prof. Asha Raveendrath Prof.FathimaM Kasim	11/11/13 to 15/11/13	5	20	5	5	30	1.5	To improve usage of English for written and oral communication
								Total	3.0	

Name of Department: Mechanical Engineering

Sl. No	Title of the course	Name of coordinator/s	From - To	No. of days	Participation (nos) expected				Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges	Total		
1	Student Counseling	Dr. S .Jose	18/11/13 to 22/11/13	5	10	10	5	25	1.2	Faculty can perform well in counseling
Total									1.2	

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the course	Name of coordinator/s	Dates	No. of days	Participation (nos) expected				Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges	Total		
1	Professional Development	Dr.Suresh Babu	Dec. 2013	5	15	5	10	30	1.0	Developing the institution as a hub for up gradation of technical education
Total									1	

In-house Training Programmes / Continuing Education Programmes planned -Subject Domain (3 to 5 days duration)

Name of Department: Electrical and Electronics Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Advanced Digital Signal Processing	Prof. Sunitha Beevi K	18/11/2013 to 22/11/2013	5	25	5	5	5	40	2	Improving competence in the subject
2	Recent Advances in Power Electronics & Industrial Drives	Prof. Sindhu D. Pillai	16/12/2013 to 20/12/2013	5	25	5	5	5	40	2	Subject Knowledge upgradation
Total										4	

Name of Department: Mechanical Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec. Engg Institutions	Industries	Total		
1	Research Methodology for Engineers	Prof. Nizar Hussain. M	11/11/13 to 13/11/13	3	10	10	5	-	25	1.2	To get awareness for research methodology and methods

2	Recent advances in Industrial Engineering	Dr. C A. Shajahan & Prof . Mohamed Zakeer	04/11/13 to 08/11/13	5	10	10	15	5	40	1.2	To give awareness about broad application of Industrial Engg
3	Nanotechnology	Prof. Syed Mohamed Fahad Prof. T.S.Krishnakumar	28/10/13 to 01/11/13	5	15	5	10	5	35	1.1	To introduce fundamental concept in nanotechnology
4	CFD for Micro/ Nano scale Flows	Dr.M.Jose Prakash Dr. K E. Reby Roy	25/11/13 to 29/11/13	5	20	5	10	5	40	1.0	To introduce CFD solution technique in micro/ nano scale flows
5	Solid Modelling & Auto CAD	Dr. KE. Reby Roy Mr. Dimithra Raj	9/12/13 to 13/12/13	5	20	5	10	5	40	1.2	To train staff in this area
Total										5.7	

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the programme	Name of coordinator/s	Dates	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQI P Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Modern Trends in Electronic Fabrication Techniques.	Dr. Unni.C Mr. P.Biju Mr. Raseem Hussain	Nov 2013	3	5	10	10	5	30	0.5	To train technicians in modern practices in Electronic Fabrication.

2	Technology Clinic	Dr. S.Suresh Babu	Dec 2013	5	5	15	5	5	30	0.5	Skill up gradation for Entrepreneurship Building
Total										1.0	

Name of Department: Chemical Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
2	Research trends in Separation Processes	Mrs. Mary Mathew	22.12.2013 to 26.12.2013	5	21	5	4	3	30	1.5	To help the faculty & staff keep abreast of the state-of-the art-procedures in Separation Processes
3	Advances in Renewable Energy Technologies	Mr. Fazil A	25.11.13 to 29.11.2013	5	21	5	4	3	30	1.5	To empower the faculty and staff with the current trends in Energy Technology
Total										3	

3. In-house workshops planned – Subject Domain (2-3 days duration)

Name of Department: Electrical and Electronics Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	PLC & SCADA training	Prof. Asha Raveendranath	7 th December 2013	1	15	5	15	5	40	0.25	To be equipped with new software
Total										0.25	

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the programme	Name of coordinator/s	Dates	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Recent Trends in Nano electronic Material and Devices.	Dr.Unni C	6/11/13 to 8/11/13	3	12	5	11	2	30	0.75	To empower the faculty and staff with the current trends
Total										0.75	

Name of Department: Computer Science and Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1.	Compilers – Optimization and Machine Code Generation	Prof. Manu J Pillai	Dec. 2013	2	10	20	15	5	50	0.5	To get exposure in Compiler Design
2	Familiarization of MATLAB and Toolboxes (Neural Network and Image Processing Toolbox	Dr Amarnishad T M	Nov. 2013	2	10	20	15	5	50	0.5	To get hands on training in MATLAB Toolboxes
Total									1		

4. Seminars / Expert Lectures planned – Subject Domain(1-2 days duration)

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the programme	Name of coordinator/s	From – To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs	Objectives
					Faculty	Staff	Students	Total		
1	Mathematical Tools for Electronic Engineers	Prof. Sreekumari amma	Dec 2013	1	10	5	25	40	0.25	To give awareness in recent advances

2	Modern Trends in Display Technology	Prof .Reshna	Dec 2013	1	10	6	24	40	0.25	To give awareness in recent advances
Total									0.5	

Name of Department: Computer Science and Engineering

Sl. No	Title of the programme	Name of coordinator/s	From – To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs	Objectives
					Faculty	Staff	Students	Total		
1	Image Registration	Prof Mohammed Siyad B	November 2013	1	20	10	70	100	0.4	To get new ideas in Image Registration Techniques
Total									0.4	

6 External Training programmes (outside the institution)

Name of Department: Electronics & Communication Engineering

Sl. No.	Subject / Area of Training	No. and Name of faculty identified for	Duration (Days)	Date	Name of Network TEQIP Institution / National Trainer Organization/Name of R & D organization / University	(Expected) Expenditure in lakhs	(Expected) Outcome / Objectives
1	VLSI Circuits Design	Dr. Shahul Hammed Pof. Anu Assis Sri.Biju.P	7	Nov 2013	CDAC Thiruvananthapuram	0.9	To get awareness in recent advances
2	Microwave Engg.	Prof. Sajeena.A Dr. Sheeba.O Prof . Heera Karunakaran	3	Nov 2013	Dept of Electronics, CUSAT	0.7	To get awareness in recent advances

3	Micro-Electronic Devices	Dr. S.Suresh Babu Prof. L.P.Lailamoni Dr.Unni.C	3	Dec 2013	CEMET.Trichur	0.8	To get awareness in recent advances
4	Hands on Experience on fabrication of Solar Cell	Dr. Shahul Hameed Prof. Abid Hussain Prof Reshna.S	3	Nov 2013	NIT Calicut.	0.8	To get awareness in recent advances
5	Mobile Communication	Prof. Nishanth.N. Prof. SreeKumari Amma	3	Nov 2013	BSNL Trivandrum	0.6	To get awareness in recent advances
					Total	3.8	

TKM College of Engineering, Kollam

TEQIP PHASE – II

Staff Development Programs

Action plan till 31.12.13

A. In house programmes

1. Staff Development Plan for Training in functional area based on TNA (5 days duration)

Name of Department :Civil Engineering

Sl. No	Title of the course	Name of coordinator/s	From - To	No. of days	Participation (nos) expected				Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges	Total		
1	Training on Total Station	Prof. R. Hazeena	02-12-13 to 04-12-13	3	20	10	5	35	0.3	Updating Knowledge
Total									0.3	

2. Staff Development Plan for Training in areas other than functional based on TNA (5 days duration)

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the course	Name of Coordinator/s	From - To	No. of days	Participation (nos) expected			Planned Expenditure In lakhs	Objectives	
					Own Institution	Other TEQIP Institutions	Other AICTE Engineering colleges			
1.	Soft Skill Development	Prof .Reshna	Dec 2013	5	20	5	5	30	0.75	Development of Communication Skills n
Total									0.75	

3. In-house Training Programmes / Continuing Education Programmes planned –Functional Domain (3 to 5 days duration)

Name of Department: Electrical and Electronics Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1.	Industrial awareness	Prof. Mohammed Shanir P. P Prof. Mohammed Mansoor O	9-12-13 to 13-12- 13	5	15	10	10	-	35	0.75	Enhancing effectiveness
Total										0.75	

4. In-house workshops planned – functional area (2-3 days duration)

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the programme	Name of Coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure In lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Modern Trends in Electronic Fabrication Techniques.	Dr. Unni.C Mr. P.Biju Mr. Raseem Hussain	Nov 2013	3	5	10	10	5	30	0.5	To train technicians in modern practices in Electronic Fabrication.
Total										0.5	

Name of Department: Chemical Engineering

Sl. No	Title of the programme	Name of coordinator/s	Date	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Training on Safety Practices in Laboratory Experiments and Maintenance	Dr.A.S.Abdul Rasheed Dr. Fazil A	2.12.2013 to 3.12.2013	2	20	4	6	-	30	0.3	To impart safety habits to the technical staff in laboratory practices
Total										0.3	

5. Seminars / Expert Lectures planned – Functional area (1-2 days duration)

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the programme	Name of Coordinator/s	From - To	No. of days	Participation (nos) Expected				Planned Expenditure In lakhs	Objectives
					Faculty	Staff	Students	Total		
1	Rules and protocols in electronic laboratories	Mr.Biju	Nov2013	1	10	5	15	30	0.25	Awareness on general safety measures to be considered while designing or installing electronic equipments
Total									0.25	

Name of Department: Computer Science and Engineering

Sl. No	Title of the programme	Name of coordinator/s	From – To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs	Objectives
					Faculty	Staff	Students	Total		
1	Linux Administration	Prof Shemeem Ansar A	November 2013	1	10	20	50	80	0.4	To get awareness in Linux OS administration
Total									0.4	

5 External Training programmes (outside the institution)

Name of Department: Electronics & Communication Engineering

Sl. No.	Subject / Area of Training	No. and Name of staff identified for training in the area	Duration (Days)	Date	Name of Network TEQIP Institution / National Trainer Organization/ industry	(Expected) Expenditure in lakhs	(Expected) Outcome / Objective
1.	Skill upgradation in Embedded System	All five technical staffs	3	Nov 2013	NIELT, Calicut	0.5	To get trained in Embedded system development
Total						0.5	

Name of Department: Mechanical Engineering

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>Name of staff identified for training in the area</i>	<i>Duration (weeks)</i>	<i>Course begins on</i>	<i>Name of Network TEQIP Institution / National Trainer Organization/ industry</i>	<i>(Expected) Expenditure in lakhs</i>	<i>(Expected) Outcome / Objective</i>
1	Maintenance engineering of machine tools	Mr.Alexander	2	04/11/13	Advanced Training Institute. Government of India, Chennai	0.26	To upkeep the machinery in good condition and order with effective maintenance
2	Supervisory development programme	Mr.Jayakumar.K	2	4/11/2013	Foremen Training Institute, Government of India, Bangalore	0.35	Quality Improvement
4	Overhauling and testing of fuel injection pump	Mr.Vijayamohan,	2	11/11/2013	Advanced Training Institute. Government of India, Chennai	0.31	To upkeep the machinery in good condition and order with effective maintenance
5	CNC turning programming & operation	Mr.Abdul Thaha	1	11/11/2013	Foremen Training Institute, Government of India, Bangalore	0.16	Study the new technology and transfer the knowledge to the students
6	Electro-pneumatics & electro –hydraulics	Mr.Rajesh, Mr.Abdul latheef	1	11/11/2013	Foremen Training Institute, Government of India, Bangalore	0.31	Study the new technology and transfer the knowledge to the students
7	Engineering inspection, testing & precision measurement (mech. Only)	Mr.Radhakrishnan nair, Mr.Sureshababu, Mr.Prasannan	2	11/11/2013	Foremen Training Institute, Government of India, Bangalore	0.72	Study the new technology and transfer the knowledge to the students
8	Expertise in CATIA v5	Mr.Viswaraj.K.V, Mr.Dimithraj, Mr.Anver	2	18/11/13	Advanced Training Institute. Government of India, Chennai	0.78	Study the new technology and transfer the knowledge to the students

9	CNC programming & simulation	Mr.Yohannankutty	2	25/11/2013	Foremen Training Institute, Government of India, Bangalore	0.2	Study the new technology and transfer the knowledge to the students
10	Machine tool maintenance	Mr.Reghunatanpillai, Mr.Shibu	2	25/11/13	Advanced Training Institute. Government of India, Chennai	0.52	To upkeep the machinery in good condition and order with effective maintenance
11	Material testing & heat treatment	Mr.Sukumaran, Mr. Ahamadul Kabeer	2	25/11/2013	Foremen Training Institute, Government of India, Bangalore	0.45	Study the new technology and transfer the knowledge to the students
12	Advanced welding technology	Mr.Riaz, Muhammed Mr.Ashraf.u	2	25/11/2013	Foremen Training Institute, Government of India, Bangalore	0.38	Study the new technology and transfer the knowledge to the students
13	Heat treatment & material testing	Mr.Dileef, Mr.Naizam	2	02/12/13	Advanced Training Institute. Government of India, Chennai	0.57	Study the new technology and transfer the knowledge to the students
14	Non destructive testing	Mr.Shajahan.S, Mr.Sulaimankunju	1	09/12/2013	Foremen Training Institute, Government of India, Bangalore	0.26	Study the new technology and transfer the knowledge to the students
15	Maintenance engineering of machine tools	Mr.Abdul latheef	2	09/12/13	Advanced Training Institute. Government of India, Chennai	0.31	To upkeep the machinery in good condition and order with effective maintenance
16	Auto electrical maintenance	Mr.Shiyas, Mr.E.Ashraf	2	09/12/2013	Advanced Training Institute. Government of India, Chennai	0.46	To upkeep the machinery in good condition and order with effective maintenance
17	2d/3d modelling with AUTOCAD/inventor 2013	Mr.Rajesh, Mr. Alexander	2	09/12/2013	Foremen Training Institute, Government of	0.47	Study the new technology and transfer the knowledge to the

					India, Bangalore		students
18	Expertise in pro-e	Mr. Muhammed Mr.shafi	2	09/12/2013	Advanced Training Institute. Government of India, Chennai	0.26	Study the new technology and transfer the knowledge to the students
19	Ultrasonic testing	Mr.V.Kabeer, Mr. Jamal	1	16/12/13	Foremen Training Institute, Government of India, Bangalore	0.26	Study the new technology and transfer the knowledge to the students
20	Cnc milling programming & operation	Mr.Johnson, Mr.Abdulrahman	1	16/12/2013	Foremen Training Institute, Government of India, Bangalore	0.26	Study the new technology and transfer the knowledge to the students
21	Pneumatic & hydraulic controls	Mr.Raju, Mr. shihabudeenkutty, Mr.Sooraj	2	16/12/2013	Foremen Training Institute, Government of India, Bangalore	0.45	Study the new technology and transfer the knowledge to the students
22	Supervisory development programme	Mr.Jayakumar	2	23/12/2013	Foremen Training Institute, Government of India, Bangalore	0.35	Quality Improvement
23	Machine tool maintenance	Mr.Sulficar ali, Mr.A.Ashraf	2	30/12/13	Advanced Training Institute. Government of India, Chennai	0.52	To upkeep the machinery in good condition and order with effective maintenance
24	Solid works - 2013	Mr.E.V.Abdul salam	2	30/12/13	Advanced Training Institute. Government of India, Chennai	0.31	Study the new technology and transfer the knowledge to the students
25	Maintenance of pneumatic & electropneumatic control systems	Mr.Subin, Mr. Sukumaran	2	30/12/13	Advanced Training Institute. Government of India, Chennai	0.52	To upkeep the machinery in good condition and order with effective maintenance
26	Cnc programming & simulation	Mr.Muneer., Mr.C.Abdul salam	2	30/12/2013	Foremen Training Institute,	0.52	Study the new technology and transfer

					Government of India, Bangalore		the knowledge to the students
						Total	19.85

Quality upgradation

Name of Department: Civil Engineering

Sl. No	Name of faculty	Name programme	Address of the research centre and University	Name and official address of the guide	Date of registration	Expected expenditure in lakhs	
1	Prof.Adarsh.S	PhD	IIT,Mumbai	Dr.M.Janga Reddy	Presentation for Confirmation	1.5	
						Total	1.5

Action Plan January 2014 to December 2014:

Department: Civil Engineering

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure in lakhs</i>	<i>(Expected) Outcome / Objective</i>
2.	Water quality management	40	7	April 2014	In-house	0.5	
Total						0.5	

Department: Electrical and Electronics Engineering

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure in lakhs</i>	<i>(Expected) Outcome / Objective</i>
1	Operation, Dynamics and control of Special Machines and Power Plants	30	5	June 2014	Own Dept, CPRI Bangalore/IISc IIT/	0.75	Subject Knowledge upgradation
2	Bio Medical Instrumentation	20	3	Oct 2014	Own Dept/ SCTIMST Thiruvananthapuram/ IIT/IISc	0.5	Awareness in recent advances
Total						1.25	

Department: Mechanical Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s participant	No. of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation	Expected Expenditure in lakhs	Expected Outcome / Objectives
1	Thermal science	Dr.Jose Prakash Dr.Reby Roy	2	5	-	International institutions	3.2	Exposure to int. inst.
2	Materials	Dr.S.Jose	1	3	May ,2014	Inst. Of metals, TVM	0.045	To acquire knowledge
Total							3.245	

Department: Electronics and Communication Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation	Expected Expenditure in lakhs	Expected Outcome / Objectives
1	VHDL/FPGA		2	15	Dec 2014	COREL Technologies	0.9	Hands-on expertise on programming FPGA with HDL for better deliverance of theory subject
Total							0.9	

Department: Computer Science and Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation	(Expected) Expenditure in lakhs	(Expected) Outcome / Objective
1	Cloud Computing	Prof. Thushara A	30	5 days	Nov 2014	In house (Own Dept.)	1.5	To get exposure to the latest trends in Cloud Computing
Total							1.5	

Supporting Department: Mathematics & Economics

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house / Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure In lakhs</i>	<i>(Expected) Outcome / Objective</i>
1	Quality of higher education and economic development (Economics)	P.Shajahan	2	-	D.D.G.DOSS vaishnav college ,Chennai	0.05	To get exposure to the latest trends in education and economic development
Total						0.05	

Supporting Department: Chemistry

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house / Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure</i>	<i>(Expected) Outcome / Objective</i>
1	Spectroscopy	JuhainaAhad	3	December 2014	CUSAT	0.25	Analysis of pollutants and compounds.
Total						0.25	

B (l)(i) (2) Faculty Development Plan for Training in areas other than Subject Domain based on TNA**Department: Civil Engineering**

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house / Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure</i>	<i>(Expected) Outcome / Objective</i>
1.	Medical First-Aid	35	2	Jan 2014	In house	0.1	Crisis Management
2.	Communication of Science and technology	25	5	April 2014	In house	0.25	To enhance the science and technology communication skills
Total						0.35	

Department: Electrical and Electronics Engineering

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house / Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure</i>	<i>(Expected) Outcome / Objective</i>
1	Power System optimization & Modelling of FACTS Controllers using Soft computing techniques	20	3	April 2014	Own Dept,NIT/IIT	0.5	To help the faculty for their research work & teaching advanced courses
Total						0.5	

Department: Electronics and Communication Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation	(Expected) Expenditure in lakhs	Expected Outcome / Objectives
1	Professional Development and Educational leadership		2	3	May 2014	IIT,Kharagpur	0.5	Developing the institution as a hub for upcoming engineering colleges
Total							0.5	

Department: Computer Science and Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation	(Expected) Expenditure in lakhs	(Expected) Outcome / Objective
1	Motivation and Counseling	Prof.Ansamma John	30	3 days	Jan 2014	National Trainer Organisation	1	Faculty get trained for motivating and counseling students
Total							1	

Department: Chemical Engineering

Sl. No.	Subject/Area of Training	No.of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house/Name of Network TEQIP Institution/National Trainer Organization	(Expected) Expenditure in lakhs	(Expected) Outcome/ Objective
1	Novel Instrumental and analytical standard testing protocols of water, waste water and industrial effluents	4	5	June 2014	In-house: using experts from CSIR and Central/State Pollution Control Labs	0.5	Transform the department into an environmental consultancy centre.
Total						0.5	

B (l)(i) (4) In-house Training Programmes / Continuing Education Programmes planned – Subject Domain

Department: Civil Engineering

Sl. No	Subject / Area of Training	From – To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Water Resources and Climate Change	June 10-14, 2014	5	10	15	10	5	40	0.5
2	Advances in concrete Technology	Aug, 2014	5	10	10	10	10	40	0.5
3	Soil characterization and Ground Improvement	Oct 2014	5	10	15	10	5	40	0.5
Total									1.5

Department: Electrical and Electronics Engineering

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
3	Inter connection issues with DERs & Power Quality Improvement	April 2014	5	8	4	4	4	20	1
4	Electrical Safety & Quality management	July 2014	5	8	4	4	4	20	1
Total									2

Department: Mechanical Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From - To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Advanced Mechanics of Materials	Dr.S.Jose	2 nd week of April 2014	5 days	8	4	4	4	20	1.2	To equip faculty to handle this subject in the new syllabus
Total										1.2	

Department: Electronics and Communication Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From - To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	FDP on Design & Development of Organic Electronic Devices	Dr.T A Shahul Hameed	19.05. 2014 to 23.05.2014	5	10	5	13	2	30	1.5
Total										1.5

Department: : Computer Science and Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From – To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Image Processing and Geometric Algorithms	Dr. Amarunnishad T M	April 2014	5	10	5	10	5	30	1.5	To get exposure to new techniques in Image Processing and Geometric Algorithms area
Total										1.5	

Department: Supporting Departments (Chemistry)

Sl. No	Subject / Area of Training	Name of coordinator	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1.	Nanomaterials (chemical basics)	Juhaina Ahad	1 day	10	0	0	0		0.1
Total									0.1

B(l)(i) (5) In-house workshops planned – Subject Domain

Department: Civil Engineering

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Civil Engg/Structural dynamics Lab training	January 2014	2	10	10	10	-	30	0.25

2	Testing of construction materials (for Lab instructors)	Nov, 2014	2	10	--	20	5	35	0.25
3	Geopolymer concrete	12-12-14	1	20	10	30	10	70	0.1
4	Water Resources and Climate Change	November 2014	2	10	--	20	5	35	0.25
Total									0.85

Department: Electrical and Electronics Engineering

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Power System Simulation Softwares	October 2014	1	25	5	5	0	30	0.10
Total									0.10

Department: Mechanical Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From - To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Entrepreneurship development	Dr. C A Shajahan	Dec 2014	2	10	10	10	10	40	1	To get awareness regarding preparing project reports and getting financial incentives for starting new ventures.
Total										1	

Department: Electronics and Communication Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From – To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Nanotechnology & Functional Nanomaterials	Unni C	11/07/2014 to 12/07/2014	2	12	5	13		30	0.5
Total									0.5	

Department: Chemical Engineering

Sl. No.	Subject/ Area of Training	From - To	No. of Days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Hazard Analysis in Chemical Industries	21/04/ 2014 to 22/04/2014	2	8	5	10	2	30	0.75
Total									0.75

Supporting Department: Chemistry

Sl. No	Subject / Area of Training	Name of coordinator	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1.	NLP for teachers	Juhaina Ahad	1 day	All staff	0	0	0	200	0.1
Total									0.1

B (l)(i) (6) Seminars / Expert Lectures planned – Subject Domain
Department: Civil Engineering

Sl. No	Subject / Area	From - To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs
				Faculty	Staff	Students	Total	
1	Geotechnical Engineering	March 2014	1	30		120	150	0.05
Total								0.05

Department: Electrical and Electronics Engineering

Sl. No	Subject / Area	From - To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs
				Faculty	Staff	Students	Total	
1	Energy conservation & Renewable Energy sources	Jan 2014	1	10	10	20	40	0.10
2	Applications of Nanotechnology in Electrical Engg	August 2014	1	20	10	60	90	0.10
3	Industrial Instrumentation & Automation	Sept 2014	1	10	10	20	40	0.15
4	Advances in Industrial Drives	December 2014	1	10	10	20	40	0.10
Total								0.45

Department: Mechanical Engineering

Sl. No	Subject / Area	From - To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs
				Faculty	Staff	Students	Total	
1	Nanotechnology	June 2014	2	10	-	140	150	1

Department: Electronics and Communication Engineering

Sl. No	Subject / Area	Name of coordinator/s	From - To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs
					Faculty	Staff	Students	Total	
1	Modern Trends in Display Technology	Prof. Reshma	22/02/2014	1	10	6	24	40	0.25
Total									0.25

Department: : Computer Science and Engineering

Sl. No	Subject / Area	Name of coordinator/s	From – To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs	Objectives
					Faculty	Staff	Students	Total		
1.	Latest OS	Prof. Shameem Ansar	June 2014	2 days	5	5	50	60	0.75	To give awareness and training to faculty about new Operating Systems
Total									0.75	

Department: Chemical Engineering

Sl. No.	Subject/ Area	From - To	No. of Days	Participation (nos) expected				Planned Expenditure
				Faculty	Staff	Students	Total	
1	Fuel Cell Technology	22/03/2014	1	10	6	24	40	0.4
2	Nanotechnology & nano-materials: Application in Chemical Engineering	20/09/2014	1	4	2	34	40	0.4
3	Recent Developments Catalysis in process Industries	08/11/2014	1	4	2	34	40	0.4
4	Chemical Engineering/ Integration of Chemical and Biological Engineering (Expert Lecture)	15/06/2014	1	30	10	100	140	0.4
5	Chemical Engineering/Inherent Safety in Process Design	26/08/2014	1	30	10	100	140	0.4
6	Chemical Engineering/Heat Transfer Augmentation	September 2014	1	30	10	100	140	0.4
Total								2.4

(B) TARGETS / PLAN (I) FACULTY & STAFF DEVELOPMENT (ii) TECHNICAL STAFF**B (I) (ii) (1) Staff Development Plan for Training in Functional Area based on TNA****Department: Electrical and Electronics Engineering**

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>No. of staff members identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure in lakhs</i>	<i>(Expected) Outcome / Objective</i>
1	Maintenance and trouble shooting of computer system hardware and computer networking	15	3	May 2014	In- house	0.1	Improvement of skills
2	Calibration of Equipment	15	3	July 2014	In- house	0.2	Improvement of skills
Total						0.3	

Department: Mechanical Engineering

<i>Sl. No.</i>	<i>Subject / Area of Training</i>	<i>Name of Coordinator/s</i>	<i>No. of faculty identified for training in the area</i>	<i>Duration (Days)</i>	<i>Tentative Date</i>	<i>In-house (Own Dept / Other Dept)/ Name of Network TEQIP Institution / National Trainer Organisation</i>	<i>(Expected) Expenditure In lakhs</i>	<i>(Expected) Outcome / Objective</i>
1	Quality Control & Management	Rajesh.S	2	11	Sept 2013 & Feb 2014	FTI Bangalore	0.45	To train more staff in the area.
2	AutoCAD 2D&3D,SOLIDWORKS,MasterCAM & Inventor	Sabeer Khan	3	25	Jan 2014/Feb 2014	ATI ,Chennai	1	To train more staff in the area.
Total							1.45	

Department: Electronics and Communication Engineering

Sl. No.	Subject / Area of Training	Name of Coordinators	No. of faculty identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept) / Name of Network TEQIP Institution / National Trainer Organisation	Expected Expenditure In lakhs	(Expected Outcome / Objective)
1.	Computer Networking		3	3	May 2014	Technopark, Trivandrum	0.75	To impart necessary knowledge and skills on installation
Total							0.75	

Department: : Computer Science and Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of staff members identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept) / Name of Network TEQIP Institution / National Trainer Organisation	(Expected) Expenditure in lakhs	(Expected) Outcome / Objective
1	Oracle Client Server installation and configuration	Prof. Anamma John	10	3 days`	May 2014	In-house (Own Dept)	0.5	To acquire a better understanding on database and networking
Total							0.5	

Department: Chemical Engineering

Sl. No.	Subject/Area of Training	No. of staff identified for training in the area	Duration (Days)	Tentative Date	In-house(Own Dept/Other Dept)/Name of Network TEQIP Institution/National Trainer Organization	(Expected) Expenditure in lakhs	(Expected) Outcome/ Objective
1	Personality development Training and awareness in students Psychology	4	1	May2014	Own Department	0.1	To impart professional skills in trouble shooting and managing the lab equipments
Total						0.1	

B (I) (ii) (2) Staff Development Plan for Training in areas other than Functional Area based on TNA

Department: : Computer Science and Engineering

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of staff members identified for training in the area	Duration (Days)	Tentative Date	In-house / Name of Network TEQIP Institution / National Trainer Organisation	(Expected) Expenditure in lakhs	(Expected) Outcome / Objective
1	Soft Skill Development	Prof. Nisa A K	10	5 days	June 2014	National Trainer Organisation	1	To improve competence in training skills
Total							1	

Department: Chemical Engineering

Sl. No.	Subject/Area of Training	No. of staff identified for training in the area	Duration (Days)	Tentative Date	In-house/Name of Network TEQIP Institution/National Trainer Organization	(Expected) Expenditure in lakhs	(Expected) Outcome/ Objective
1	Training in industrial laboratory & R&D practices	4	3	7.4.2014 to 11.4.2014	Outside Industries/ R&D Organizations	0.2	To keep the technical staff abreast of the industrial / R&D Lab practices/environment
Total						0.2	

B(I)(ii) (3) In-house Training Programmes / Continuing Education Programmes planned – Functional Area

Department: Mechanical Engineering

Sl. No	Subject / Area of Training	Name of Coordinators	From – To	No. of days	Participation (nos) expected					Planned Expenditure In lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Maintenance and Calibration	Prof. Nizar Hussain. M	November 2014	3	20	5	5		30	1.0	To make awareness of Maintenance and calibration of Machines/equipments
Total										1	

Department: : Computer Science and Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From – To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Wireless Networking	Prof. Manu J Pillai	Nov 2014	2 days	20	5	10	5	40	0.5	To get exposure in installing Wireless Networks
Total										0.5	

B(I)(ii) (4) In-house workshops planned – Functional Area

Department: Civil Engineering

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Civil Engg/Structural dynamics Lab training	Jan 2014	2	5	5	10	5	25	0.1
Total									0.1

Department: Electrical and Electronics Engineering

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
2	Programming Languages	December 2014	3	15	10	10	-	35	0.10
Total									0.10

Department: Mechanical Engineering

Sl. No	Subject / Area of Training	Name of Coordinator/s	From - To	No. of days	Participation (nos) expected					Planned Expenditure In lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	CNC Programming	Mr K.Jayakumar	Jan 2014	5	15	10	10	5	40	0.3	To train more staff in the area.
2	PLC Programming	Mr Rajesh.S	Jan 2014	5	15	10	10	5	40	0.3	To train more staff in the area.
Total										0.6	

Department: Electronics and Communication Engineering

Sl. No	Subject / Area of Training	Name of Coordinator/s	From - To	No. of days	Participation (nos) expected					Planned Expenditure In lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1.	Hands on training on PCB Design, , Layout and drilling	Mr Biju	12.09.2014 to 13.09.2014	2	4	5	6	--	15	0.25	To impart necessary knowledge and skills in PCB Design
Total										0.25	

Department: : Computer Science and Engineering

Sl. No	Subject / Area of Training	Name of coordinator/s	From – To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs	Objectives
					Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
1	Computer Maintenance	Dr. Amarunnishad T M	April 2014	2 days	20	5	10	5	40	0.5	To get practical exposure in maintenance of computing systems
Total										0.5	

B(I)(ii) (5) Seminars planned

Department: Electrical and Electronics Engineering

Sl. No	Subject / Area	From - To	No. of days	Participation (nos) Expected				Planned Expenditure
				Faculty	Staff	Students	Total	
1.	Energy conservation and management in Laboratories	August 2014	1	20	15	30	65	0.10
Total								0.10

Department: Electronics and Communication Engineering

Sl. No	Subject / Area	Name of Coordinator/s	From - To	No. of days	Participation (nos) Expected				Planned Expenditure In lakhs	Objectives
					Faculty	Staff	Students	Total		
1.	Rules and protocols in electronic laboratories	Mr.Biju	13.02.2014	1	10	5	15	30	0.1	Awareness on general safety measures to be considered while designing or installing electronic equipments
Total									0.1	

Department: : Computer Science and Engineering

Sl. No	Subject / Area	Name of coordinator/s	From - To	No. of days	Participation (nos) Expected				Planned Expenditure in lakhs	Objectives
					Faculty	Staff	Students	Total		
1	Security in Computing	Prof. Thushara A	May 2014	2 days	5	10	45	60	0.5	To get awareness in Security in Computing
Total									0.5	

Department: Chemical Engineering

Sl. No.	Subject/ Area	From - To	No. of Days	Participation (nos) expected				Planned Expenditure
				Faculty	Staff	Students	Total	
1.	Environmental Impact Assessment	15/02/2014	1	6	4	60	70	0.1
Total								0.1

Administrative staff

B (I) (ii) (1) Staff Development Plan for Training in Functional Area based on TNA

Library

Sl. No.	Subject / Area of Training	Name of coordinator/s	No. of staff members identified for training in the area	Duration (Days)	Tentative Date	In-house (Own Dept / Other Dept)/ Name of Institution / National Trainer Organisation	(Expected) Expenditure in lakhs	(Expected) Outcome / Objective
1	Digital libraries	Dr Manzoor Babu V	3	6	May 2014	IIM Kozhicode	0.3	Setting up of digital library
Total							0.3	

B (I) (iii) (2) Staff Development Plan for Training in areas other than Functional Area based on TNA College office

Sl. No.	Subject / Area of Training	No. of staff members identified for training in the area	Duration (Days)	Tentative Date	In-house / Name of Network TEQIP Institution / National Trainer Organisation	(Expected) Expenditure In lakhs	(Expected) Outcome / Objective
2	Thorough Training in Computer based office automation	15	30	Jan 1 to Mar 31, 2014		0.5	Enable all admin staff to perform duty other than traditional methods also.
total						0.5	

B(I)(ii) (3) In-house Training Programmes / Continuing Education Programmes planned – Functional Area

College office

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure in lakhs
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total	
1	Leadership and Management Training	Jan 1 to Mar 31, 2014	30						1
Total									1

B(I)(ii) (4) In-house workshops planned – Functional Area

Sl. No	Subject / Area of Training	From - To	No. of days	Participation (nos) expected					Planned Expenditure In lakhs	Objectives
				Own Institution	Other TEQIP Institutions	Other AICTE rec Engg Institutions	Industries	Total		
2	Koha Library Automation software	03.01.2014 to 04.01.2014	2 days	10	5	15	0	30	0.5	Automation of Libraries
3	Greenstone Digital Library software	21.05.2014 to 24.05.2014	4 days	7	5	13	0	25	0.5	Managing institutional digital library
Total									1	

B(I)(ii) (5) Seminars planned

Sl. No	Subject / Area	From - To	No. of days	Participation (nos) Expected				Planned Expenditure in Lakhs in	Objectives
				Faculty	Staff	Students	Total		
1	Digital divide	25-4-2014 to 26-042014	2 days	40	10	50	100	1	Creating awareness about digital divide and Managing the emerging situations
Total								1	

A. Conferences Planned – Subject Domain

B. Name of Department: Electrical and Electronics Engineering

Sl. No	Title of the conference	Name of organizing secretary	From – To	No. of days	Number of participants (expected)						Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	AICTE rec Engg Institutions	R&D organizations	Outside India	Total	
1	Emerging Trends in Electrical Engineering	Prof. M. Deepthi	May 14 th to 16 th 2014	3	20	20	30	10	5	85	6
2	Recent Research in Control, Instrumentation and Power Electronics Application to Electrical Engineering	Prof. V. Gayathri	November 12 th to 14 th 2014	3	20	20	30	10	5	85	6
Total										12	

Name of Department: Mechanical Engineering

Sl. No	Title of the conference	Name of organizing secretary	From – To	No. of days	Number of participants (expected)						Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	AICTE rec Engg Institutions	R&D organizations	Outside India	Total	
1	International conference on Recent Advances in Mechanical and Production Engg.	Dr.M.Jose Prakash Dr. KE.Reby Roy	Sept. 2014	2	15	10	25	5	5	60	6
Total										6	

Name of Department: Electronics & Communication Engineering

Sl. No	Title of the conference	Name of organizing secretary	From – To	No. of days	Number of participants (expected)						Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	AICTE rec Engg Institutions	R&D organizations	Outside India	Total	
1	International conference on Communication and Information Technology.	Dr.Gopakumar K	Aug 2014	3	5	10	45	5	5	70	6
Total											6

Name of Department: Computer Science and Engineering

Sl. No	Title of the conference	Name of organizing secretary	From – To	No. of days	Number of participants (expected)						Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	AICTE rec Engg Institutions	R&D organizations	Outside India	Total	
1	International Conference on Advanced Research in Computing, Communication and Information Science	Dr. D Chithraprasad	June 2014	3	10	15	25	10	10	70	6
Total											6

Name of Department: Chemical Engineering

Sl. No	Title of the conference	Name of organizing secretary	From – To	No. of days	Number of participants (expected)						Planned Expenditure in lakhs
					Own Institution	Other TEQIP Institutions	AICTE rec Engg Institutions	R&D organizations	Outside India	Total	
1	International conference on advances in chemical and bioprocess engineering"	DR.K.B.Radha krishnan	19 ,20 Sept.14	2	5	5	20	10	10	50	6
Total											6

Quality upgradation**Name of Department: Civil Engineering**

Sl. No	Name of faculty	Name programme	Address of the research centre and University	Name and official address of the guide	Date of registration	Expected expenditure in lakhs
1	Prof.Adarsh.S	PhD	IIT,Mumbai	Dr.M.Janga Reddy	Presentation for Confirmation	1.5
Total						1.5

Name of Department: Electronics & Communication Engineering

Sl. No	Name of faculty	Name programme	Address of the research centre and University	Name and official address of the guide	Date of registration	Expected expenditure in lakhs
1	Prof Reshna S	Ph.D.	College of Engineering, Trivandrum/ University of Kerala	Dr. M.Jayaraju Director, ANERT,Trivadrum	27.04.2013	1
Total						1

TKM College of Engineering, Kollam

TEQIP PHASE – II

Enhancement of Research & Development and Institutional Consultancy Activities

A. Seed money to faculty

Research Guidance committee has been formed with Senior Research advisor(SRA) and application has been invited for seed money.

Last date for submitting the application is 04-11-13

Sl.No	particulars	Numbers	Expected expenditure 1.5 lakhs per proposal
1	Proposals already received/expected to be received	15	22.5 lakhs

Details of faculty planned to publish paper in Journal (under TEQIP)

Department: Civil Engineering

Sl. No.	Name of Faculty	Subject / Title	Journal	Vol / Date	Planned Expenditure in lakhs	Referred (Y/N)
1	Prof Saraswathy B	Performance based seismic evaluation	Journal of Acoustics and Vibration		0.1	Y
2	Prof A Nizad	Strength and durability study on cement mortar using ceramic sand	Construction and Building Materials Elsevier		0.1	Y
3	Prof A Nizad	Strength and durability study on Self compacting concrete using Copper slag	Construction and Building Materials Elsevier		0.1	Y
Total					0.3	

Department: Mechanical Engineering

Sl.No	Name of Faculty	Subject / Title	Journal	Vol / Date	Planned Expenditure in lakhs	Refereed (Y/N)
1.	Dr. C A Shajahan	Industrial engineering	International journal of scientific research		0.03	Yes
2.	Dr. Jose Prakash.M	Performance studies on refrigeration system using nanorefrigerants	International Journal of Mechanical Engineering and Technology	2013	0.27	Y Impact factor 0.5
3	Dr. Jose Prakash.M	Nanofluids/refrigerants	IJAER	2013	0.15	Y
4	Dr.N.K.Mohammed Sajid	Refrigeration and Air conditioning	IJAER	2013-14	0.15	Y
5	Dr.S.Jose	TEQIP – Will it hit the Bulls Eye? Issues related to Motivation of faculty.	Indian Journal for Technical Education	To be submitted by Dec 2013	0.025	Y
Total					0.625	

Department: Electrical Engineering

Sl.No	Name of Faculty	Subject / Title	Journal	Vol / Date	Planned Expenditure (In lakhs)	Referred (Y/N)
1	R.Sheeba	Bees Colony Intelligence in Optimization: An Application to PSS Design	IREMOS	-	0.12	Y
2	Dr. Bijuna Kunju K	Solar Powered LED for Street Lighting	International Journal of Advanced Research Engineering & Technology	Nov. 2013	0.15	Y
Total					0.27	

Department: Electronics and Communication Engineering

Sl.No	Name of Faculty	Subject / Title	Journal	Vol / Date	Planned Expenditure IN LAKHS	Refereed (Y/N)
1.	Dr.T.A.Shahul Hameed	Nano Technology	International Journal of Applied Engineering research	Dec 2013	0.06	Y
2.	Dr.T.A.Shahul Hameed	Organic Electronics- Device Simulation	IJSSST	Mar 2014	0.08	Y
3	Dr.K.Gopakumar	Chaos	IJCA	May 2013	0.06	Y
4	Dr.K.Gopakumar	Chaos	IJAER	Sept 2013	0.06	Y
5	Prof.Abid Hussain	Soft Computing	IJAER	Aug 2014	0.06	Y
6	Prof.Abid Hussain	Soft Computing	IJFLS	Dec 2013	0.06	Y
7	Prof.Anu Assis	VLSI	IJAER	Sept 2014	0.06	Y
8	Dr.Sheeba O.	Biomedical Signal Processing	IJSSST	Dec 2013	0.08	Y
9	Prof.Preetha Basu	Signal Processing	IJCA	May 2013	0.06	Y

10	Prof.Preetha Basu	Signal Processing	IJAER	Nov 2013	0.06	Y
11	Prof.Nishant N.	Wireless Networking	IJSST	Dec 2013	0.08	Y
Total					0.72	

Department: Computer Science and Engineering

Sl.No	Name of Faculty	Subject / Title	Journal	Vol / Date	Planned Expenditure in lakhs	Referred (Y/N)
1	Dr. D Chitraprasad	Data mining	IEEE	Nov 2013	0.5	Y
2	Dr. D Chitraprasad	Geometric algorithms	Computational geometry: Theory and Application	April 2014	0.5	Y
3	Dr Amarunishad T M	Image Processing	International Journal on Signal and Image Processing	Dec 2013	0.5	Y
Total					1.5	

Department: Chemical Engineering

Sl.No	Name of Faculty	Subject / Title	Journal	Vol / Date	Planned Expenditure in lakhs	Referred (Y/N)
1.	Dr. N E Jaffar	Process Control	IEEE Explore Digital Library	March 2013	0.06	Y
2	Dr. K.B. Radhakrishnan	Heat Transfer	IJHMT/Int. Comm. In Heat Transfer or any other International Journals	2014	0.06	Y
Total					0.12	

Consultancy activities planned**Department: Mechanical Engineering**

Sl.No	Name of faculty coordinating the consultancy project	Expenditure				Total in lakhs
		Securing sponsored projects	Commercialization of research products	Patenting of research products	Travel cost, hospitality and to consultant for delivering Expert lectures	
1	Dr.Jose Prakash.M	0.1			0.2	0.3
2.	Dr.Reby Roy	0.1			0.2	0.3
Total						0.6

Department: Electronics Engineering

Sl.No	Name of faculty coordinating the consultancy project	Expenditure				Total in lakhs
		Securing sponsored projects	Commercialization of research products	Patenting of research products	Travel cost, hospitality and to consultant for delivering Expert lectures	
1	Dr.T.A.Shahul Hameed	1.5	1.5	0.5	0.5	4.0
Total						4.0

TKM College of Engineering, Kollam

TEQIP PHASE – II

Incremental operating COST

Details of Faculty planned for paper presentation in National / International conferences

Department: Civil Engineering

Sl. No.	Name of Faculty	Subject / Area	Host Institution / Title of Conference	Date	Planned Expenditure In lakhs	Inter-national (Y/N)
1	Prof. Ramaswamy K P	Concrete Technology	ICMSC-2013 (T.K.M College of Engineering)	Dec 12-14, 2013	0.1	Y
2	Dr. Seema K. Nayar	Water Engineering	International Centre for Research and Development, Colombo, Srilanka/ International Conference on Environment and Energy 2013	December 16-17, 2013	0.5	Y
3	Dr.B.Sunil Kumar	Civil Engg./Sustainable Buildings	Promoters: UNEP, iiSBE, FIDIC, CIB Title: World Conference on Sustainable Building (World SB14, Barcelona)	2014	0.5	Y
4	Prof. Adarsh S.	Artificial Intelligence Applications in Engineering Disciplines	Indian International Conference on Artificial Intelligence (IICAI 2013 Siddaganga Institute of Technology Tumkur)	Dec 18-20, 2013	0.1	Y
		Climate change Impact Assessment and Water Management	ICICECAS 2014 International Conference on Environment, Climate and Atmospheric Sciences UAE, Dubai	March 05-06, 2014	0.5	Y
5	Prof Chinsu Mereena Joy	Civil, Structural Engineering	ICCESE 2014 : International Conference on Civil, Environmental and Structural Engineering Berlin,	May 22-23, 2014	0.5	Y

			Germany			
6	Prof Haseena R	Concrete Technology	R. N. Raikar Memorial International Conference, Mumbai, India	Dec 20-21, 2013	0.1	Y
7	Dr. M Nazeer	Concrete Technology	ICCMATS 2014 International Conference on Construction Materials Engineering, Structural Performance and Durability, University of the Witwatersrand, Johannesburg, South Africa	Sep 8-10, 2014	0.5	Y
8	Prof Saraswathy B	Composite structures	Atlanta, Georgia (USA), or Stony Brooks University (USA)/ International Conference on Mechanics of Composites (MECHCOMP2014)	8-11 June 2014	0.5	Y
9	Dr.Sudhi Mary Kurian	How Feedback can Improve the Management of Quality and Safety in Construction	University of Liverpool,UK	July13-16, 2014	0.5	Y
10	Dr Lalu Mangal	Offshore Technology	Offshore Technology Conference, Convention Centre (KLCC) in Kuala Lumpur, Malaysia. Kuala Lumpur Malaysia	25-28 March 2014	0.5	Y
11	Dr. Seema K Nayar	International Conference on Environment & Energy	International Centre for Research & Development	Dec – 16 and 17,2013	1	Y
12	Prof,Adarsh . S	Wavelet Model Tree	IIT, Madras	Dec'6-9,2013	0.1	Y
Total					5.4	

Department: Mechanical Engineering

Sl No	Name of faculty	Subject/Area	Host institution/Title of conference	Date	Planned expenditure in lakhs	International (Y/N)
1	Dr. Rijo Jacob Thomas	Cryogenic Engineering	Cryogenic Engineering Conference (CEC/ICMC) 2013, Anchorage, Alaska, USA	17 th to 21 st June 2013.	2.4	Y
2	Nizar Hussain. M	Industrial Engineering/ ICT	International Conference on Information Systems (ICIS 2013), to be held in Milano, Italy	December 15-18, 2013.	2.0	Y
3	Dr. Jose Prakash.M	Computational Fluid Dynamics	International Conference on Computational Fluid Dynamics Berlin, Germany	May 22-23, 2014	1.5	Y
4	Dr. Jose Prakash.M	Mechanical Engineering	International Conference on Mechanical and Mechatronics Engineering Singapore	July 04-05, 2014	1	Y
5	Dr. K.E. Reby Roy	Two-Phase flow	ASME, 4th Joint US-European Fluids Engineering Summer Meeting,	August 3-7, 2014, Chicago, USA	2.25	Y
6	Nizar Hussain. M	Industrial Engineering	Fourth International Conference on Industrial Engineering and Operations Management (IEOM 2014) Bali, Indonesia,	January 7-9, 2014	1.25	Y
7	Dr. C A SHAJAHAN	Industrial management	International Academic Conference Dubai	20&21 st January 2014	1.5	Yes
8	P.Mohammed Iqbal	Gas hydrates	Intelligent Energy International Conference and Exhibition, Dubai,UAE	28-30 October 2013	0.75	Y
9	Dr. K K Abdul	Computational Fluid	International Conference on	May 22-23,		Y

	Rasheed	Dynamics	Computational Fluid Dynamics Berlin, Germany	2014		
10	Dr.Jose Prakash.M	15th international heat transfer conference	IHCT Kyoto,Japan	14-08-14 15-08-14	1.5	Y
11	Dr.Jose Prakash.M	12 th ASME international conference on nanochannels,microchannels	ASME Chicago, Illinois	03-08-14 to 07-08-14	2.7	Y
12	Dr.S.Jose	3 rd International Conference on Materials for the Future – Innovative Materials, Processes, Products and Applications – ‘ICMF 2013’	Government Engineering College, Thrissur, Kerala	November 6- 8, 2013.	0.15	Y
13	Dr.S.Jose	International Conference on “Precision, Meso, Micro and Nano Engineering (COPEN-8)”	NIT Calicut	13-15 th December 2013.	0.20	Y
14	Dr.Jose Prakash.M	ICHTA 2013 international conference on heat transfer and applications	World Academy of science UAE	02-12-13 03-12-13	0.8	Y
Total					19.5	

Department: Electrical Engineering

Sl.No	Name of Faculty	Subject / Area	Host Institution / Title of Conference	Date	Planned Expenditure In lakhs	International (Y/N)
1.	Dr. K. Bijuna Kunju	Power System Management	INDICON 2014, IIT Bombay	December 2014	0.2	Y
Total					0.2	

Department: Electronics and Communication Engineering

Sl No	Name of faculty	Subject/Area	Host institution/Title of conference	Date	Planned expenditure in lakhs	International (Y/N)
1	Dr.Sheeba O.	Biomedical Engineering	3 rd World Conference on Science and Engineering, Singapore	23 rd Aug 2013	1.5	Y
2	Dr.Shahul Hameed T.A.	Organic /Nano Electronics	International Conference on Electronics and Communication Engineering, Switzerland	May 7-8, 2014	1.5	Y
3	Prof.Nishant N.	Wireless Communication	15 th Intl Conference on Communication Technology, China	Nov 17-19	1.5	Y
4	Prof. Nishanth N	Wireless Network	IEEE International Conference on Communication(ICCC 2013), Trivandrum	Dec 15-17,2013	0.2	Y
5	Prof. Nishanth N	Information Technology	3 rd International conference on signal Processing and Information technology, Dubai	Dec 26-27,2013	2	Y
6	Dr.S.SureshBabu	Image processing	IEEE International Conference on Control,Comm'n & Computing, Trivandrum, India	Dec13-15 , 2013	0.10	Y
7	Dr SureshBabu	Signal Processing	ACEEE conference, Dubai	Dec 26-27, 2013	1.0	Y
Total					7.8	

Department: Computer Science and Engineering

Sl.No	Name of Faculty	Subject / Area	Host Institution / Title of Conference	Date	Planned Expenditure in lakhs	International (Y/N)
1	Dr.D Chitraprasad	Geometric Algorithms	9th International colloquium on graph theory and combinatorics. France	June 2014	1.5	Y
2	Dr Amarunishad T M	Image Processing	International Conference on Informatics Engineering and Information Science, Kaulampur, Malayasia	Nov 2013	1.5	Y
Total					3	

Department: Chemical Engineering

Sl.No	Name of Faculty	Subject / Area	Host Institution / Title of Conference	Date	Planned Expenditure in lakhs	International (Y/N)
1.	Dr. A S Abdul Rasheed	Process Safety	2014 Spring Meeting and 10th Global Congress on Process Safety, New Orleans, Louisiana	March 30 - April 3, 2014	2	Y
2	Dr. K B Radhakrishnan	Environmental Engineering and Management	International conf. on Chemical Engg and Technology (ICCET 2014)	March 14-15, 2014	2	Y
3	Dr. K B Radhakrishnan	Heat Transfer	15th International Heat Transfer Conference (IHTC-15), Kyoto, Japan	10-15 Aug 2014	2	Y
Total					6	

TKM COLLEGE OF ENGINEERING KOLLAM-5
ACTIVITIES PROPOSED UNDER ACADEMIC AND NON ACADEMIC REFORMS IN TEQIP-II UPTO DECEMBER 2014

1. Committee to review the performance appraisal of faculty by students

As part of the academic reforms, the evaluation of faculty performance on a periodic basis should be implemented. It is well known that in TKM College of Engineering, there is a well established system for this. But, TEQIP-II provides an opportunity to self evaluate the merits and demerits of this existing system to evolve a better option or modified system for the evaluation of faculty performance by students. It is proposed to appoint a committee of teachers for doing this exercise.

The committee will be asked to prepare the report after listening to the suggestions of all the stakeholders namely students, teachers at various levels of seniority and parents. The committee will be asked to submit the draft report in January 2014 and it will be circulated for comments from the stakeholders. The final report will be approved and implemented as part of the academic reforms.

2. Brainstorming Session on the Improved Students Performance Evaluation

It is proposed to conduct a one day Brainstorming session on the improved student's performance evaluation in February. The details of the program are as follows.

Venue	: TKM College of Engineering Auditorium
Date	: February second week
Participants	: All faculty of the college
Keynote Speaker	: Dr. Achuthsankar S Nair, Head, Department of Computational Biology and Bioinformatics University of Kerala, Kariavattom, Trivandrum
Expenditure	: 15000/-
Deliverables	: Awareness on the exercise of autonomy
Stakeholder group	: Faculty

3. Accreditation Fees : Rs.2200000/-

4. Expenses for the preparedness for Autonomy : Rs.50000/-

Grand Total (planned upto December 2014)	: Rs.2265000/-
Amount spent upto October 31,2013	: Rs.30000/-
Total	: Rs.2295000/-

TKM COLLEGE OF ENGINEERING KOLLAM
Industry Institute Interaction Cell

Statements of Expenditure

Amount Actually spent as on date 31.10.2013	Planned to be3 spend till December 2014	Total
2,811,800	1,335,000	5,481,800

ACTION PLAN WITH BUDGETING FOR THE REMAINING PERIOD UPTO 31st DECEMBER 2014

BoG Approved

No	Activity	Title	Proposed by	Expert/Industry involved	For whom	Tentative Date	Budget
1	Invited Lecture	Improving Employability of Students	Dr. LaluMangal	Prof Gicy M Koor, Professor, Manipal Institute of Technology, Manipal, Karnataka	Faculty/ Students of Civil Engineering Department	Nov-13	27,000
2	Industrial visit	One day industrial visit	K Bijuna kunju	LDC Ernakulam	25 faculties	Nov-13	60,000
3	Industrial visit	One day industrial visit Power station Muzhiyar	Baiju R Naina	Power station Muzhiyar	120 students,10 faculties and 4 technical staff	Nov-13	1,00,000
3	Industrial visit	One day industrial visit at 220KV Substation Kundara	Shahina TN	220KV Substation Kundara	120 students,10 faculties and 4 technical staff	Nov-13	40,000

4	One Day Workshop	Academic-Industrial Interface	Dr. Amarnishad T M	Wg Cdr (Rtd) Simon. K. John, Additional Director, Military Engine Certification, Regional Centre for Military Airworthiness (Engines), CEMILAC, Ministry of Defense (R&D), Govt. of India, Bangalore	Faculty/ Final year Students of All Departments	Nov-13	80,000
4	Industrial Visit	Cochin Refineries	Prof.Nizar Hussain	Cochin Refineries	12 faculty	Nov-13	35000
5	Industrial Visit	Cochin Shipyard	Prof. Ashfak A.	Cochin Shipyard	10 faculty	Nov-13	25000
6	Industrial Visit	SILK, Cherthala	Prof. Aju Kumar	SILK, Cherthala	15 faculty	Nov-13	35000
7	Industrial Visit	Carborandum Ltd, Kochi	Prof. Rakesh Pillai	Carborandum Ltd, Kochi	10 faculty	Nov-13	25000
8	Visit to R& D Institute	Fluid Control Research Institute, Palakkad	Dr.D.Roshan Kumar	Fluid Control Research Institute, Palakkad	5 Faculty	Nov-13	40000
9	MOU	Research related to acoustic features of coir products.	Dr.B. Premlet	Experts from Coirboard and related research centres.	Coir industry	Nov-13	80,000

10	Workshop	Recent trends in Nano Materials	Dr.SureshBabu, Dr.Unni	Dr.AjayGhosh, Dr.Shyju Dr.Jayaraj NIIST, IIST,CUSAT	Staff & Students	Nov-13	90,000
11	Workshop	Simulation tools of RF & Microwave	HeeraKarunakaran Dr.Sheeba	AWR Corporation Bangalore	Staff & Students	Nov-13	55000
12	Hands on Training	PCB Design	Dr.Gopakumar	ORCAD	Staff & Students	Nov-13	15,000
13	One day Workshop	Parallel Computing (FN Session) VIV (AN Session)	Dr. LaluMangal	Prof K Murali, Professor, Department of Ocean Engineering, IIT Madras, Chennai	Faculty/ Students of Civil Engineering Department	Dec-13	68,500
14	One day Workshop	Embedded System	Dr. K. Gopakumar	Mr. Bhasi S., Divisional Engineer, RTTC, BSNL, Trivandrum. Ms. Bindu K.R., SDE. BSNL RTTC, Trivandrum.	Faculty/ Students of ECE	Dec-13	50,150
15	One day Seminar	“ Endosulphan- A Saviour or a Saboutier”	Dr. K.B. Radhakrishnan	Experts from various industries, scientists, representatives of NGO’s and academic institutions	Faculty /students All Departments	Dec-13	150000
16	5 days industrial training	Electrical wing, Indian Railways, Trivandrum	Mohammed Mansoor.O	Two experts from Railway	Three faculties and two technical staff of Electrical Engineering Department	Dec-13	60000

17	Invited Talk	Cyber Security	AbidHussain	NabeelKoya CDAC, Trivandrum	Staff& Students	Dec-13	12,000
18	Workshop	Embedded System	Dr.Gopakumar	Tata Elxsi	Students	Dec-13	30,000
19	Training	Telecommunication System	AbidHussain	BSNL	Students	Dec-13	25,000
20	Workshop	2 days workshop on "Introduction to PLC"	Shaleena	Experts from respective companies from reputed institution	Students(50 nos) and 30 faculties	Dec-13	60,000
21	Industrial visit	Industrial visit at 220KV Substation Edamon	HanySF	220KV Substation Edomon	120 students,10 faculties and 4 technical staff	Dec-13	50,000
22	Visit to R& D Institute	Naval Physical and Oceanographic Laboratory (NPOL) , Kochi	Dr.S.Jose	Naval Physical and Oceanographic Laboratory (NPOL) , Kochi	3 Faculty	Dec-13	10000
23	Visit to R& D Institute	SHAR, Andhra Pradesh	Prof.A.Sudheer	SHAR, Andhra Pradesh	5 faculty	Dec-13	90000
24	Visit to R& D Institute	LPSC, Valiamala	Prof. Agesh Markose	LPSC, Valiyamala	12 faculty	Dec-13	25000

25	Industrial Training	Lakshmi Machine ToolsCoimbatore	Rajesh S	Advanced Technology Centre	14 Technical staff	Dec-13	85000
26	Invited Talk	Ship Technology	Prof. Muhammed Zakkeer	Prof. Pyarilal Dept of Ship Technology, CUSAT	10 faculty 40 students	Dec-13	15000
27	Consultancy	Development of a consultancy cell on noise studies in industries and road traffic	Dr.B. Premlet	Prof. A. Ramachandraiya Acoustics lab, IIT Madras, Chennai And Experts from GIS centre, Bangalore	Faculty and students	Dec-13	80,000
28	Workshop	Construction of noise map with GIS	Dr.B. Premlet	Experts from IIT, GIS centre	Town planners and practicing civil engineers	Dec-13	60,000
29	Invited Talk	Estimation & Detection	Nishanth	Dr.Sameer NIT Calicut	Students	Jan-14	9,000
30	Training	Network Simulator NS2	Nishanth	NIT, Suratkal	Students	Jan-14	8,000
31	Training	Telecommunication System	AbidHussain	BSNL	Staff	Jan-14	80,000
32	Training	Computer Networking	Nishanth	Nest, Trivandrum	Students	Jan-14	15,000

33	Invited Talk	Image Processing in MRI Scan	AbidHussain	Dr.Afsar, Travancore Scans	Students	Feb-14	12,000
34	Invited Talk	Networking	Nishanth	NIT Suratkal	Staff & Students	Feb-14	12,000
35	Industrial Visit	HAL Bangalore	AbidHussain	HAL Bangalore	Staff	Mar-14	28,000
36	Industrial Visit	Toyota Kirloskar Motor Private Limited, Bangalore	Dr.A.Sadiq	Toyota Kirloskar Motor Private Limited, Bangalore	4 Faculty Mechanical Dept.	May-14	30800
37	Industrial Training	Defiance Technologies, Bangalore	Dr.S.Jose	Dr.Y.Arun Roy Vice President	3 Faculty 5 students	May-14	50000
38	Factory Visit	MOU	Dr.S.Jose	Er.Hemalatha, JGM,(Design), HMT, Kalamassery	10-15 Faculty of Mech Dept	Jul-14	20000
39	One day workshop	Recent trends in biomedical instrumentation	Muhammed Shanir P.P.	Resource persons from SCT, Pappanamkodu,Trivandrum	Faculty/ Students of Electrical Engineering Department	Jul-14	21350
40	One day workshop	Applications of modern semiconductor devices in electrical drives	Muhammed Shanir P.P.	Experts from CDAC Trivandrum	Faculty/ Students of Electrical Engineering Department	Jul-14	21350

41	One day workshop	Applications of Fluke Power Quality analyser	Mohammed Mansoor.O	Experts from Fluke Trivandrum	Faculties and students of Electrical Engineering Department	Jul-14	25000
42	Invited Lecture	Issues and Challenges in Project Implementation	Dr. Seema K Nayar	Dr. Jayakumar, CEO, Pondicherry Port & SEZ, SPL Infra Ltd, Bangalore	Faculty/ Students of Civil Engineering Department	Jul-14	32,000
43	One Day Workshop	Software Development Process	Dr. Chithraprasad D	Mr. Kishore Kumar, CTO, OSPYN Technologies, Technopark, TVM	Faculty/ Students of CSE Department	Aug-14	27,000
44	Invited Lecture	GIS and its applications in Transportation Engineering	Dr. LaluMangal	Dr Samson Mathew, Professor, NIT,Trichy	Faculty/ Students of Civil Engineering Department	Aug-14	32,500
45	One Day Workshop	Software Development Process	Dr. Chithraprasad D	Mr. Kishore Kumar, CTO, OSPYN Technologies, Technopark, TVM	Faculty/ Students of CSE Department	Aug-14	27,000
46	Invited Lecture	VHDL programming	Dr. K. Gopakumar	Sri Ravindra Kumar R, Project Director & Head, VLSI-ASIC Hardware design Centre, CDAC, Trivandrum.	Faculty/ Students of ECE	Aug-14	25,150
47	One day workshop	Evaluation of annoyance and health hazards	Dr.B. Premlet	Experts from industry and medical fields	Public	Aug-14	40,000
48	Invited Lecture	Image Processing	Dr. Amarnishad T M	Dr. V K Govindan, Professor & DEAN Academic, NIT Calicut	Faculty/ Students of CSE Department	Sep-14	21,750

49	One Day Workshop	Open Source Framework for Research & Engineering	Prof. Manu J Pillai	Dr Sajeew G P, Professor, Dept. of CSE, Saintgits College of Engineering, Kottayam	Faculty/ Students of CSE Department	Sep-14	27,000
50	Invited Lecture	Image Processing	Dr. Amarnishad T M	Dr. V K Govindan, Professor & DEAN Academic, NIT Calicut	Faculty/ Students of CSE Department	Sep-14	21,750
51	One Day Workshop	Open Source Framework for Research & Engineering	Prof. Manu J Pillai	Dr Sajeew G P, Professor, Dept. of CSE, Saintgits College of Engineering, Kottayam	Faculty/ Students of CSE Department	Sep-14	27,000
52	Industrial Lecture	Safety in Oil/Gas transportation	Dr. K.B. Radhakrishnan	Mr. Venugopal Nayar Controller of Explosives, Chennai and Andhrapradesh Region Chennai	Faculty /students Department of Chemical Engineering	Sep-14	30000
53	Two day training	KEL Kundara	Prof. Lissamma Panjickaran	Two experts from KEL Kundara	6 faculty +4 staff+40 students of Electrical Engineering Department	Sep-14	49500
54	Technical talk	One days technical talk on"Operation and maintenance of substation/generating station equipments"	Prof. Lissamma Panjickaran	Experts from KSEB	Students(60 nos)	Sep-14	30,000
55	Workshop	3 days workshop on "Introduction to matlab and Simulink-Control system approach"	Mohammed Mansoor.O	Experts from Mathworks and from reputed institution	Students(50 nos) and 30 faculties	Sep-14	90,000

56	Workshop	2 days workshop on "Introduction to simulation software PSIM and Power world.	Muhammed Shanir PP	Experts from respective companies or from reputed institution	Students(50 nos) and 30 faculties	Sep-14	60,000
57	MOU	MOU with BSNL	Shanir PP	BSNL	EEE, ECE, CSE Depts	Sep-14	150000
58	Seminar	Safety in fireworks	Dr. B. Premlet	Dr. Rajendran, VSSC And controller explosives	Industries related to fireworks and fireworkers	Sep-14	50,000
59	Consultancy	Noise reduction program for KMML, Chavara.	Dr.B. Premlet	KMML, Chavara. A case study by Faculty, Research scholar and student	For the industry	Sep-14	30,000
60	Industrial training	Numerical Relays	Dr. K. Bijuna Kunju	Two experts from Alind, Mannar	Faculties and students of Electrical Engineering Department	Oct-14	42000
61	Two Days Workshop	Familiarization of Simulation software SEQUEL	R. Sheeba	Two experts from IIT Bombay	Faculties and students of Electrical Engineering Department	Oct-14	59000
62	Technical Seminar	One day technical talk on "Basics of Electric traction" and " Electric traction in india-an overview"	Mohammed Mansoor.O	Experts from Indian railways/IIT/NIT	Students(50 nos) and 30 faculties	Oct-14	60,000

63	Workshop	Research related to the development of solar cells.	Dr.B. Premlet	Experts from Pondicherry central university and CUSAT.	Faculty and students	Oct-14	40,000
64	Industrial Visit	Kerala Automobiles	Prof. Roshan Kumar	Kerala Automobiles	15 faculty	Nov-14	30000

TOTAL 2,811,800

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No	Activity	Title	Proposed by	Expert/Industry involved	For whom	Tentative Date	Budget
1	One Day Workshop	Academic-Industrial Interface	Dr.Abdul Rasheed		Faculty/ Final year Students of All Departments	Sep-14	80,000
2	Industrial Visit	Mangalore Refinery	K.B.Radhakrishnan		12 faculty	Oct-14	95000
3	National Workshop	3 days workshop on Innovation in Engineering Design	Prof. Ashfak A.	Experts from IIT, IISc	10 faculty, 30 students	Oct-14	125000
4	Industrial visit	Visit to Reliance Petroleum, Gujarat	Fazil A		5faculties and 4 technical staff	Nov-14	140,000
5	National Workshop	Workshop for IIIC coordinators	Prof. Aju Kumar	All IIIC coordiantors	All IIIC coordiantors from TEQIP colleges	Nov-14	235000

6	MOU	SILICON MICRO SYSTEMS	Dr.S.Jose		Mech Dept	Nov-14	200000
7	MOU				CSE Dept	Nov-14	200000
8	MOU	Pentagon Educational Services	Dr.S.Jose	MOU on publication of conference proceedings	All Depts	Nov-14	100000
9	Industrial visit	Visit to Maruti Udyog Ltd, Chennai	TS Krishna Kumar	Chennai	5 faculties	Dec-14	160,000
10	Industrial visit	Visit to HAL, Bangalore	Nizar Hussain		10 faculties and 4 technical staff	Dec-14	2,00,000
TOTAL							1,335,000

**TKM COLLEGE OF ENGINEERING ,KOLLAM
EQUITY ACTION PLAN**

Statements of Expenditure

Amount Actually spent as on October 2013	Amount Planned to spent during Nov 2013 - Dec 2014	Total
3.137 lakhs	43.97 lakhs	47.107 lakhs

(I) PROGRAMS CONDUCTED UNDER THE EQUITY ACTION PLAN, JUNE-OCTOBER 2013

Sl. No.	Name of Programme	BOG Approval	Date of conduction of the programme	No. of students attended	Expenditure (Rupees)	Outcome
1	AutoCAD training for the V semester Civil Engg. Students	Approved	June 2013 – August 2013	138	70000	The students wanted to learn the software since for practical applications the drawings are made using AUTOAD rather than manual drawing. In the present semester they are learning the building drawing. So the students got benefited from this training programme in fully understanding the subject.
2	Diagnostic test for the Final year students in English, numerical aptitude and Logical reasoning	Approved	25-07-13 to 27-07-13	500	6600	The weak students who are in need of the improvement in communication skill and other soft skills are identified. From the results we could specifically identify the aspects

						in which they need more attention.
3	A bridge course in mathematics for the lateral entry students of III semester	Approved	01-07-13 to 31-07-31	50	21600	Fundamental concepts of Engg. Maths is given to the students. This will help them in understanding the III semester mathematics. The syllabus for the bridge course was formulated so that the first year mathematics is fully covered. Students gave the feedback that this programme was very effective.
4	Motivational Talk	Approved	31-07-13	50	2000	This talk, was highly motivating to the students who want to prepare for the Engineering Services Examination.
5	Special coaching in C++ for the III semester ECE students who are weak in Computer Programming.	Approved	20-07-13 to 31-08-13	35	27000	The students who have studied biology in the plus two level got benefited from this special training course
6	Induction programme for the I year students	Approved	13-08-13 to 14-08-13		99600	This programme helped the newly admitted students by motivating and guiding them in many aspects to face the challenges in engineering education

7	Diagnostic test for the I year	Approved	21-08-13	620	13000	The weak students at the entry level(Plus 2) in mathematics , physics, problem solving & English are identified. For Chemical Engg. Students a diagnostic test on chemistry is conducted for identification of weak students.
8	Bridge course for the I year students as per the results of diagnostic test.	Approved	September – October 2013	320	70000	Subject knowledge upgradation at the entry level to make them fit for engineering education.
9	An intensive training programme on Data structures and pointers in Cfor the VII semester ECE students	Approved	September 2013	40	3900	Enhancing the employability rates.
					Total (Rupees)	313700

(II) TARGETS / PLAN EQUITY ACTION PROGRAMMES, (OCTOBER – DECEMBER 2013)
(Programmes Initiated/ Ongoing, Approved by BOG)

Sl. No.	Action	Tentative month/Date	(Expected) Expenditure (Rupees)	Objective / (Expected) Outcome
1	Soft skills and communication skill development programme for the VII semester students	November/December 2013 (Initiated)	5,00000	To improve usage of English for written and oral communication and other soft skills
2	Remedial Classes for the weak students III semester (All branches together)	October to December 2013 (Ongoing)	1,00000	To help in knowledge upgradation in the subject area, this will enhance the transition rate.
3	Remedial Classes for the weak students V semester (All branches together)	October to December 2013(Ongoing)	1,00000	To help in knowledge upgradation in the subject area, which will enhance the transition rate.
4	Remedial Classes for the weak students VII semester(All branches together)	October to December 2013(Ongoing)	1,00000	To help in knowledge upgradation in the subject area,which will enhance the transition rate.
5	Specialist classes for the first year students	October to December 2013(Ongoing)	30,000	To support the first year students in difficult subjects.
Total (Rupees)			830,000	

**(III) EQUITY ACTION PLAN - PROGRAMMES, PLANNED FOR (JUNE-SEPTEMBER 2013),
(Approved By the BOG & To be conducted by 31st December 2013)**

Sl. No.	Action	(Expected) Expenditure (Rupees)	Objective / (Expected) Outcome
1	An intensive training programme on “Total Station” for the V semester Civil Engineering students	1,00000	To help the students to get awareness in using the state of the art technology/ equipment.
2	Special coaching in C++ for the IV semester students (Mechanical & production), who are weak in Computer Programming	1,00000	To improve the programming skills of students those, who have studied biology in the plus two level.
3	Special coaching in C++ for the VI semester(Civil and EEE), who are weak in Computer Programming	1,00000	To improve the programming skills of students those, who have studied biology in the plus two level.
4	Training programme on memory improvement	70000	To improve memory skills, which will help the students in the learning process.
5	Motivational Talk for the ECE students on Engineering services Examination	10000	To help in the preparation for IES and other national level competitive examinations
6	Motivational Talk for the EEE students on Future of an Electrical Engineer	10000	To motivate the students in choosing the proper employment in Electrical engineering.
7	An intensive training programme on JAVA, SQL & C for the VII semester ECE students	100000	To enhance the employability rates.
8	A course on Practical applications of Control Systems for the VIII semester EEE students	30000	To help the students to understand the practical applications of control systems.
9	An intensive training programme on power system analysis for the VIII	30000	To help the students to have better understanding in analysis.

	semester EEE students		
10	Motivational programme for the III semester students (All students)	75000	Awareness in recent advances in the subject areas of the respective branch and the importance of curriculum.
11	Soft skills and communication skill development programme for the III semester students	100000	To improve usage of English for written and oral communication and other soft skills
12	Soft skills and communication skill development programme for the V semester students	100000	To improve usage of English for written and oral communication and other soft skills
13	A course on virtual laboratory as per the need analysis	30000	To help the students to do the lab experiments, virtually, on a 24x7 basis
Total (Rupees)		7,55000	

(IV) TARGETS / PLAN EQUITY ACTION PROGRAMMES, (JANUARY 2014 – MARCH 2014)
(Programmes to be approved by the BOG and To be conducted)

Sl. No.	Action	(Expected) Expenditure (Rupees)
1	An intensive training programme on “STADD-Pro V8i” for the VIIIsemester Civil engineering students (2010 Admissions)	1,00000
2	Invited Talks for Civil Engg Branch (S1, S3, S5 & S7 students)	12,000
3	Project Planning Software training	1,00000
4	Invited Talks for Mechanical Engg& Production Engg Branch (S1, S3, S5 & S7 students)	15000
5	AutoCAD training for the EEE Students	1,00000
6	Software Training programme for EEE students	25, 000
7	Introduction to JAVA programming and application development using advanced concepts of JAVA for CSE Branch	25000
8	Antroid workshop for CSE Branch	10,000
9.	Computer Hardware maintenance, networking and trouble shooting for CSE Branch	10000
10	Workshop on LINUX for CSE Branch	10,000
11	Workshop on pressure vessel testing and fabrication for Chemical Engg Branch	25,000
12	“CHEMGUARD” training programme for Chemical Engg Branch	40000
13.	ASPEN Training programme for Chemical Engg Branch by experts from KRL	25000
14	Remedial Classes for the weak students I& II Semester (All branches together)	70000
15	Remedial Classes for the weak students IV Semester (All branches together)	50000

16	Remedial Classes for the weak students VI Semester(All branches together)	50000
17	Remedial Classes for the weak students VI Semester(All branches together)	50000
18	Training in in simulation tool for product design and PCB fabrication for ECE students	25000
19	Training on JAVA and Data structure for ECE students	30000
20	Management skill development programme for ECE students	10000
Total (Rupees)		782000

(V) TARGETS / PLAN EQUITY ACTION PROGRAMMES, (APRIL 2014 – SEPTEMBER 2014)
(Programmes to be approved by the BOG and To be conducted)

Sl. No.	Action	(Expected) Expenditure (Rupees)
1	An intensive training programme on “STADD-Pro V8i” for the Civil engineering students (2011 Admissions)	2,00000
2	MATLAB Training for Civil engineering students (2011 Admissions)	25000
3	AutoCAD training for the V semester Civil Engg. Students (2012 Admission)	75000
4	Training on Piping Design (QA/QC) for for Mechanical Engineering students	60000
5	Management training for EEE students	25000
6	Training programme on Robotics and MEMS for EEE students	25, 000
7	Software training for EEE students	75,000
8	Soft skills and communication skill development programme for the III semester students (2013 Admission)	100000
9	Soft skills and communication skill development programme for the V semester students (2012 Admission)	100000
10	Soft skills and communication skill development programme for the VII semester students (2011 Admission)	5,00000
11	Intensive training/ Finishing school programme for the passed out students	5,00000

12	Special coaching in C++ for the III semester ECE students who are weak in Computer Programming (2013 Admission)	40000
13	Induction programme for the I year students (2014 admission)	100000
14	Diagnostic test for the I year (2014 Admission)	15000
15	Bridge course for the I year students as per the results of diagnostic test.	70000
16	An intensive training programme on power system analysis for the VIII semester EEE students	15000
17	Invited talks in various fields of Electronics Engg	10000
18	Expert lecture to give awareness about higher education for ECE students	10000
19	Training programme in Simulink for ECE students	20000
20	Expert lecture on optical communication for ECE students	10000
21	Expert lecture on improving confidence level to ECE students	5000
22	Workshop on nondestructive testing methods	15000
23	Workshop on awareness of industrial machinery	15000
24	Workshop HTML-5 for CSE students	10000
25	Training on Operating system and Network programming for CSE students	10000
26	Training on network security issues and optimization techniques for CSE students	5000
27	Training on Design and analysis of Algorithms for CSE students	10000
28	Introduction to soft computing techniques for CSE students	10000

Total (Rupees)	20,30000

(VI) TARGETS / PLAN EQUITY ACTION PROGRAMMES, (OCTOBER 2014 – DECEMBER 2014)

Sl. No.	Action	(Expected) Expenditure (Rupees)
1	Remedial Classes for the weak students I& II Semester (All branches together)	70000
2	Remedial Classes for the weak students III semester (All branches together)	50000
3	Remedial Classes for the weak students V semester (All branches together)	50000
4	Remedial Classes for the weak students VII semester(All branches together)	50000
5	An intensive training programme on “Total Station” for the Civil engineering students (2012 Admissions)	1,00000
6	Special coaching for competetive examinations	1,00000
7	Expert lecture series for the EEE students	10,000
8	Training on DSP kit for the EEE students	10000
9	Training on Neuro linguistic programming for the EEE students	10,000
10	Training on data mining techniques for the CSE students	10,000
11	Introduction to advanced data structures for the CSE students	10,000
12	Three days training on heat exchange network for chemical Engg students	15000

13	Training programme to motivate effective research	5000
Total (Rupees)		490000