

1

TEQIP – II

12th BOG MEETING



**Govt. College of Engineering,
Bargur**

Date: 20.03.2015

**GOVERNMENT COLLEGE OF ENGINEERING,
BARGUR - 635104, KRISHNAGIRI.
MINUTES OF ELEVENTH BOG MEETING**

The **12th BOG Meeting** was held on **20-03-2015** at GCE, Bargur.

Following members attended the meeting:

- 1 Mr. K. Murugan,
Chief Operating Officer,
NHK.F. Krishna India Automotive
Seating Pvt. Ltd, Plot No: 44, SIPCOT
Industrial Part, Oragadam
Sriperumpudhur Tk, Kanchipuram DT
Mobile: 7598221823
Chairman-BOG,
- 2 Dr.K.Sundaramoorthy,
Additional Director (Exams),
Directorate of Technical Education,
Chennai-600 025.
Representative of DOTE
- BOG Member
- 3 Mr. P. Thanikachalam,
Managing Partner of Ideal
Foundations& NHAI Consultant,
A10, Jayanagar, TNHB Colony,
Kannagkurich Main Road,
Salem- 636 008.
Mobile: 9486358872
Representative from
Industry
- BOG Member
- 4 Dr. S. Marshal Anthoni,
Associate Professor,
Department of Mathematics,
Anna University Regional Centre,
Coimbatore- 641 047
Mobile: 9894207162.
Nominee of University
- BOG Member
- 5 Dr. P. K. Jayadev,
Principal (Retd),
Govt. College of Engineering,
Salem-636 011
Mobile: 9443056469
Eminent Educationalist
- BOG Member

- | | | |
|---|---|--|
| 6 | Mr.K. Arumugam,
FA & CAO ,
Directorate of Technical Education,
Chennai-600 025,
Mobile: 9444498508 | Nominee from finance
wing of DOTE -BOG
Member |
| 7 | Prof. K. Subathra,
Principal (i/c),
Govt College of Engineering,
Bargur, Krishnagiri-635 104. | Principal(i/c) &
BOG Member |
| 8 | Dr. V. Thirunavukkarasu,
Asso. Prof / ECE,
Govt College of Engineering,
Bargur, Krishnagiri-635 104. | TEQIP Nodal Officer
- BOG Member |
| 9 | Prof.P.Thirumal,
Asst. Professor (Sr.Gr)/Mechanical,
Govt College of Engineering,
Bargur, Krishnagiri-635 104. | Academic Nodal Officer
/TEQIP (Representative
from Senior teaching
Staff)
- BOG Member |

The Principal (i/c) welcomed all the members of BOG for the meeting. The following resolutions were approved by the committee after discussion.

Action Taken
Report:

Trainings conducted/attended:

- FDP up to Feb 2015 – 49 in all departments conducted inside institution
- FDP up to Feb 2015 – 113 in all departments (attended outside institution)
- SDP up to Feb 2015 – 14 in all departments conducted inside institution
- SDP up to Feb 2015 – 09 in all departments (attended outside institution)
- Student Training Programme up to Feb 2015 - 132 in all departments
- Internal revenue Generated upto Feb 2015
 - Mechanical – Rs.1.98 lakhs
 - Chemistry – Rs. 8,500
 - EEE – Rs. 24,800

● **Placement 2014-15**

Academic Year	Number of Placements	Avg. Salary Package
2014-15	13	3 Lakhs per annum

Agenda: 12.1

Resolved to approve the **Eleventh BOG** meeting agenda and Minutes.

Approved

Agenda: 12.2 Mock Accreditation

Mock Accreditation was conducted by Dr.S.Sukeshkumar (Mentor) and Dr.P.K.Jeyadev (BoG Member) on Feb 25 and 26, 2015 for the Three departments. The panel suggested improvements in the preparation of e-SAR and the corresponding supporting documents.

Ratified

Agenda: 12.3 Accreditation fees to be paid to NBA:

Department of Mechanical Engineering is applying for accreditation. Permission is requested to pay the fees to NBA for accrediting Mechanical Engineering Branch.

Approved

Agenda: 12.4 Academic Support given for this Semester (July 14 to Dec 2014)

Dept.	Subject	Year	Beneficiaries	Passed
EEE	Electronic Devices and Circuits	II	56	54
EEE	Digital logic circuits	II	56	54
EEE	Electromagnetic Theory	II	56	52
CSE	Programming and Data structure	II	59	57
CSE	Java Programming	III	70	68
CSE	Open source lab	IV	64	64
CSE	Digital signal processing	IV	64	61
All Dept	Computer Programming	I	200	183
Mech.	Engineering Graphics	I	49	48
ECE	Transmission lines and Waveguides	III	65	64

Ratified

Agenda: 12.5 Reappropriation of FDP fund from other heads in TEQIP-II.

Permission is given by NPIU/Commissioner of Technical Education to utilize the funds available in other heads for FDP &SDP. As on date GCE, Bargur is not offering P.G courses. Hence permission is requested to utilize the funds under the head the P.G assistantship for FDP and SDP.

Ratified

Agenda: 12.6 Approval of Revised IDP (up to DEC 2016) and VISION 2020

12.6 A. Proposals of subcommittee reports for VISION 2020 is submitted for approval.

1. Procurement plan
2. Equity Action plan
3. Academic plan
4. Industry Institute Interaction plan

12.6 A. Approval of Revised Institutional Development Plan (upto DEC 2016)

The revised IDP-Institutional Development Plan (upto DEC 2016) with monthly expenditure plan is submitted for BOG approval. The BOG requests the Commissioner of Technical Education for extra funds to achieve the revised targets.

Revised IDP 2015-16

Consolidated Activity wise – (Rs. In Lakhs)

Activity	CSE	EEE	ECE	Mech	S&H	Institute Level	Total
Procurement	147.1	623.8	211	464	386.8	0	1832.70
Ph.D Assistantship	12.96	12.96	12.96	15.24	0	0	54.12
R & D	37	10	22	38	0	8.4	115.4
FDP & SDP	23.80	79.6	21.4	35.5	16.7	0	177
I-I-I	22.4	11.60	8.15	12	7	0	61.15
Capacity Enhancement	1	2.5	2.5	20	2	0	28
Academic support	26.70	2.8	65.6	21.3	26.6	0	143.15
Institutional Reforms	4	4	4	7	0	0	19
IOC	0	7	0	10	0	6.3	23.30
Total	274.96	754.26	347.61	623.04	439.1	14.7	2453.67

1. Detailed List of Procurement

Department of CSE

Justification for the procurement

1. Equipment for CoE : 83 lakhs
2. Civil work for CoE : 57.1 lakhs
3. Projector for PG : 1 Lakh
4. Membership for 6 faculty : 6 lakhs

Total : 147.1 lakhs

Month/Year	Sl. No	Equipment/Software	Budget(Lakhs)
Apr-15		Nil	0
May-15		Nil	0
June -15		Nil	0
July-15	1	<u>Centre of Excellence (Lab+ Server room + Faculty room +rest room) :281.51 sq.m</u>	57.10
August-15	1	Purchase of 1 Projector and Accessories for classrom	1
	2	Membership in Consortium – 1 number	1
September-15	1	Membership in Consortium – 1 number	1
October-15	1	CoE - Purchase of 1 Projector and Accessories for Centre of Excellence	1
	2	Membership in Consortium – 2 number	2
	3	CoE – Purchase of 100 computers	50
November-15	1	Membership in Consortium – 2 number	2
	2	CoE -Purchase of 3 Servers	3
December-15	1	CoE -Purchase of 3 - 10 KVA ups	9
January -16	1	CoE -Furniture : 100 Numbers	10
February -16	1	CoE -Air conditioners for the Lab :15	5
March -16	1	CoE -High speed Network Printers: 4	3
Apr-16	1	CoE Networking Components : 1 set	2
May-16 to December -16		Nil	0
		Total	147.1

Department of EEE
Detailed List of Procurement
Justification for the procurement

- To start ME in Electrical Drives and Embedded Control in the year 2016-2017.
- To start ME in Renewable Energy in the year 2017-2018.
- To continue consultancy in Power Quality and Energy Auditing; also to establish Entrepreneurship cell & incubation centre in 2017-18.
- To produce students projects which can be patented from 2018-2019 onwards from incubation cell.
- To become Centre of Excellence in Special Electrical Drives from 2019-2020 onwards.

Month/Year	Sl No	Equipment/Software	Budget(Lakhs)
Oct-16	1	Earth Resistance Kit	3.50
	2	Power Quality Analyser	8.50
	3	Thermal Imager	6.00
	4	Portable Scope meter	2.50
	5	Power module, BLDC motor(0.5HP) Controller circuit, sensor circuit, display meter, CRO/DSO	1.50
	6	SRM motor-0.5 HP, PIC DSP/TMS DSP Processor, speed sensor, Power module, Display meter, DSO	1.50
	7	Synchronous generator – 0.5HP, Power module(MOSFET/IGBT), Controller circuit, CRO/DSO, Display meters	1.50
	8	Matlab 2015 with all tools	25.00
	9	Data acquisition system	2.00
	10	Xilinx FPGA Kit	1.00
	11	DSP TMS Family kit	2.00
	12	Microcontroller based over/under voltage relay (DMT/IDMT) (Numerical)	1.80
	13	Multisim, pSpice, ETAP, pSCAD , Motor solver	25.00
	14	Lab VIEW software with Accessories related to EEE Branch	10.00
March 16	15	Solar flat plate collector with accessories	1.00
	16	Solar air heaters	0.50
	17	Concentrating solar collector	1.50
	18	Shadow & tilt angle estimator	0.50
	19	Energy resource assessment kits	3.00
	20	Pyranometer	0.35
	21	2-Batteries-1000AH	0.25
	22	Solar battery charging characteristics estimator	0.25
	23	Solid waste calorimeter	75.00
July 16	24	Gaseous fuel calorimeter	75.00
	25	Gas Chromatograph	18.00
	26	Liquid Chromatograph	25.00
	27	Solid Chromatograph	30.00
	28	Elemental Analyser	35.00

Oct 16	29	BOD, DO level estimator	10.00
	30	COD level Estimator	10.00
	31	Anaerobic System	2.60
	32	Aerobic System	3.00
Dec 16	33	<u>Civil Work :PG course-1</u> Class room – 2 Tutorial Hall – 1 Seminar Hall – 1 Lab-1 Total = 600 sq.m and Rs.20,000 per sq.m	120.00
	34	<u>Civil Work :PG course-2</u> Class room – 2 Tutorial Hall – 1 Seminar Hall – 1 Lab-1 Total = 600 sq.m and Rs.20,000 per sq.m	120.00
Total			623.75

ECE

Detailed List of Procurement

Justification for the procurement

Equipment needed for the establishment of the proposed PG course M.E. Communication Systems. In addition the procurement of some of the equipment needed for the CoE on VLSI is also initiated.

PG class rooms are to be constructed at a cost of Rs. 46 lakhs.

Sl.No	Equipments	Procuring Month	Amount in Lakhs
1	Interactive white board (4 nos)	Jul-15	5
2	Interactive Tablets 30 Nos.	Jul-15	5
3	Desktop computers (50 nos)	Jul-15	25
4	Network Analyser (1 no)	Sept-15	20
5	FPGA trainer Kit (20 nos)	Sept-15	10
6	Wireless sensor network trainer (10 nos)	Jan-16	10
7	Digital Storage Oscilloscopes	Jan-16	20
8	RF Generators	Mar-16	10
9	VLSI Design Software (Similar to Cadence) University Bundle Analog and Digital Front End and Back End 30 User Licences	Nov-16	20
10	Simulation Software (Similar to MATLAB)	Nov-16	10
11	Xilinx ISE & Modelsim simulator with Spartan –III FPGA 40 user license	Dec-16	25
12	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dec-16	15
	Civil Works		

13	Construction of Class Rooms for PG Two Class rooms each of 70 sq.m with a total plinth area of 230 sq.m Cost Estimate @Rs.20,000/- per sq.m.	Dec-15	46
Total	10		211

Mechanical Engineering

Justification:

1. Starting of P.G programmes in Thermal Engineering requires new lab facilities to be created.
2. To setup Centre of Excellence in Renewable energy for processing agro products and Alternate Fuel Research the above equipment are needed.

Procurement Plan 2015-2016

Sl. No	Item	Month & Year	Approximate Cost in Rs. lakhs
1	ICT enabled learning, related software & hardware.	June 2015	20
2	600 W Solar Array Simulator	June 2015	6.5
3	VI curve tracer	June 2015	7.5
4	Data acquisition system	June 2015	2
5	1 KW Grid Tied Inverters	June 2015	1
6	Solar Pathfinder Assistant Software, V4	June 2015	3
7	Lab VIEW software with modules related to Mech	June 2015	40
8	Pyranometer	Aug 2015	20
9	Ice plant	Aug 2015	15
10	Measurement scales (accuracy 0.001gm)	Aug 2015	15
11	Hot wire anemometer	Aug 2015	4
12	Thermal Imaging camera	Aug 2015	4
13	Optical Engine (CI)	Oct 2015	100
14	DAQ for optical Engine	Oct 2015	25
15	Biofuel plant	Oct 2015	2
16	Variable GAS injection Timing kit	Oct 2015	9
17	3D printing lab setup	Dec 2015	60
18	Vibration measuring instruments	Dec 2015	25
19	Opt align setup	Dec 2015	15
20	Steam turbine setup 2kW	Dec 2015	20
21	Library e-books and e-journals	Jan 2016	20
22	Membership of online journals and consortium	Jan 2016	20
23	Civil works	Jan 2016	30
TOTAL			464

Science & Humanities

Justification for the procurement

Planned to start Research lab in Environ. Science & Engg. followed by establishment of Centre of Excellence in Environmental Science and Engg.:

Current facilities available: AAS, UV, FP, Water analyzer kit (Analysis of DO, TDS, TH, Salinity, Conductivity ,pH), Preparation of Biodiesel from waste.

Equipment's to be purchased for well-equipped EVS Lab for R&D: ICP-AAS, Environmental Sample Digester, Freeze drier, HPLC

Consultancy work is carried out with the above facilities and Internal Revenue is generated. Purchase of above mentioned equipments will increase the IRG and a well-equipped environmental Engg. Lab can be established.

One of the faculty members of Dept. of Chemistry had completed Ph.D in the area: Environmental Chemistry and applied for guideship in Bharathiar University, Coimbatore. Hence purchase of the above equipments will pave way for R&D in environmental science.

Procurement – Chemistry

Month/Year	SI No	Equipment	Budget(Lakhs)
June-15	1	Inductively Coupled Plasma Atomic Absorption Spectroscopy (ICP-AAS)	85
Sep'-15	1	Environmental Sample Digester	9
March-16	1	Freeze Drier	12
June-16	1	High Performance Liquid Chromatography (HPLC)	30
			136

Procurement – Physics

S.No.	Name of the Equipment	No. of quantity required	Tentative procurement month	Total Cost (in Lakhs)
1	Travelling Microscope	6	JUL' 2015	2
2	UV-Visible Spectrometer	1	SEP' 2015	9
3	Manual Pellet press	1	OCT' 2015	0.5
4	Magnetic stirrer with hot plate	1	NOV' 2015	0.3
5	High power Ultrasonic Processor- Sonicator	1	DEC' 2015	1
6	Raman/PL Micro spectroscopy System	1	FEB'2016	25
7	Particle Size and Particle shape Analyzer	1	MAR' 2016	25
8	FTIR Spectrometer	1	APR' 2016	13

12th Dec minutes of meeting conducted on 20th March 2015

9	Hall Effect measurement System	1	JUNE'2016	25
10	X-Ray Diffraction Instrument	1	JULY'2016	95
11	Impedance Analyzer	1	OCT' 2016	30
12	TG-DTA Thermal Analyzer	1	NOV' 2016	25
TOTAL (IN LAKHS)				250.8

2. Action Plan for Assistantships (M.E. & Ph.D.) :

Detailed List of Assistantships (M.E.): M.E from 2015-16(AY)

Rs.12,000/student/month

It is planned to admit 18 students per branch per year all the four branches

Sl. No	Item	Month & Year	Approximate Cost in Rs.Lakhs
1	P.G assistantship for 18 students Per Branch	July 2016-Dec 2016	51.62
3	Research Associate (Full time Ph.D)	June 2015-Dec 2016	2.52
TOTAL			54.12

3. Action Plan R&D CSE

Justification

One National conference is to be conducted in the month of Oct every year

5 Students projects for the year 2015 and 5more for 2016

Patents : 3 from 2016

Seed grants for Students - minimum 2 per semester

Research publications in engineering in refereed journals -6 per semester

Month/Year	Sl No	Activity	Budget(Lakhs)
Apr-15		Nil	0
May-15		Nil	0
June -15		Nil	0
July-15	1	Research projects taken by UG /PG students -2	2
	2	Seed grants for research by faculty- 2	2
	3	Research publications in engineering in refereed journals -6	3
	4	Patent of a product /Technology - 1	1
August-15		Nil	0
September-15		Nil	0
October-15	1	Organising conferences on R&D topics	3

	2	Patenting of technologies	1
November-15		Nil	0
December-15	1	Research projects taken by UG /PG students -3	2
	2	Seed grants for research by faculty- 2	2
	3	Research publications in engineering in refereed journals -6	3
Jan-16 to June -16		Nil	0
July -16	1	Research projects taken by UG /PG students -3	2
	2	Seed grants for research by faculty- 2	2
	3	Research publications in engineering in refereed journals -6	3
August-16		Nil	0
September-16		Nil	0
October-16	1	Organising conferences on R&D topics -1	3
	2	Patenting of technologies	1
November-16		Nil	0
December-16	1	Research projects taken by UG /PG students -3	2
	2	Seed grants for research by faculty- 2	2
	3	Research publications in engineering in refereed journals -6	3
		TOTAL	37

EEE

Justification :

SEED grant for students projects and for patenting of technologies

Detailed List of R & D

Research projects taken by UG /PG students & } : Rs 10,00,000/=

Patenting of technologies

ECE

Research projects taken by UG /PG students: Students are encouraged to do the project work so as to get seed money. Seed grant of Rs. 1 lakh per project is given every year for a total of 5 best projects selected by a review committee every year. This seed money will be given in Dec-15 so that the students will be able to complete their projects in April-16.

Research publications in engineering in refereed journals: Financial assistance will be given to the faculty for the publication of their research works in the refereed journals. Financial assistance may be given during every quarter.

Organising conferences on R&D topics: One National level conference is to be organized in Feb-16

Patenting of technologies: One of the 5 best projects given with the seed grant will be selected to register for patent.

Dept.	Jun-15	Sep-15	Dec-15	Feb-16	Mar-16	Sep-16	Dec-16	TOTAL
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	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	
ECE	3 (Publication)	1.5	5 (Publication)	2.5	5 (Seed Money) 5 (Publication)	5 2.5	1 NConf	2	1 (Patent) 5 (Publication)	1 2.5	5 (Publication)	2.5	5 (Publication)	5	2.	35	22

Action Plan for R&D (2015-16) Mechanical Engg.

Justification:

1. U.G Seed projects will be identified and potential projects will be taken up for patent.
2. Research projects of faculty members will be judged for Seed funding by the external experts.
3. Four R&D conferences are proposed to be conducted in the department.
4. Faculty, student publications in the international refereed journals will be awarded.

SI. No	Item	Month & Year	Approximate Cost in Rs.Lakhs
1	Research projects taken by UG students	June 15-Dec 16	1.5
2	Seed grants for research by faculty	July 15-Dec 16	21
3	Research publications in engineering in refereed journals	June 15- Dec 16	0.5
4	Organizing conferences on R&D topics	July 15-Dec 16	12
5	Patenting of technologies	July 15-Dec 16	3
TOTAL			38

Intuitional Level :

Expenditure in R&D (Research Advisor Salary) Rs. 8.4Lakhs

4. Action Plan for Faculty & Staff Development

1. Enrollment of faculty with MTech for PhD degree : 3 faculty doing Ph.d :
Tuition Fees from July 2015- Dec 16 - **Rs.60000**
2. Faculty training in subject domain: 3 faculty each semester
Total Expenditure from July 2015 – Dec 2016 – **Rs. 240000**
3. Faculty training in pedagogy: 2 faculty each semester
Total Expenditure from July 2015 – Dec 2016 – **Rs. 320000**
4. Participation of faculty in outstation seminar/ conferences/ workshops etc : 6 faculty Total Expenditure from July 2015 – Dec 2016 – **Rs. 240000**
5. Participation of staff in outstation workshops etc : 1 faculty each 20,000 per semester:

Total Expenditure from July 2015 – Dec 2016 – Rs. 20000

And

6. Organising inhouse training workshops in teaching/research subjects (FDP)

S.No.	FDP	Coordinators	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	One week Faculty Development program on Big Data Analytics	S.Selvi	May 2015	2
2	One week Faculty Development program on Cryptography	C.M.T.Karthikeyan	September 2015	2
3.	One Day Faculty Development programme on “Publishing papers in top Journals”	J.Nafeesa Begum	December 2015	.5
4	One week Faculty Development program on Virtualization	B.Sivaranjani	May 2016	2
5	One week Faculty Development program on Wireless Sensor Networks	N.Jagadeeshwari	September 2016	2
6	One Day Faculty Development programme on “ Web Portal Development”	C.SatheeshPandian	December 2016	.5
	Total			9 lakhs

EEE

Detailed List of Faculty Dev. Plan

S.No.	FDP	Coordinators	Tentative Month / Year	Target audience	Expected Budget Expenditure in Lakhs
1	Faculty training in subject domain (outstation)	All Faculty	Apr 15	Faculty training in subject domain(outstation)	4.00
2	Smart Grid – Technology and Applications	Mr.K.Mohan Mr.V.Arivumani	May 2015	Faculty	2.00
3	Realization of Control System Concepts using MATLAB	Mr.A.Thangaraj Mrs.M.Bhavani	May 2015	Faculty	2.00
4	Embedded Controller for Electrical Drives	Dr.I.Thangaraju Mr.K.Mohan	May 2015	Faculty	2.00
5	Power Quality in Smart Grid	Mr.V.Arivumani Dr.I.Thangaraju	June 2015	Faculty	2.00

S.No.	FDP	Coordinators	Tentative Month / Year	Target audience	Expected Budget Expenditure in Lakhs
6.	Soft computing Techniques in Engineering Applications	Mrs.R.Sudha Mr.A.Thangaraj	June 2015	Faculty	2.00
7	Faculty training in Pedogogy (outstation)	3	Jun 15	Faculty training in Pedogogy(outstation)	0.60
8	Participation of Faculty in outstation Seminar/Conferences/ Workshops	6	Jun15	Participation of Faculty in outstation Seminar/Conferences/ Workshops	2.00
9.	Faculty training in subject domain (outstation)	10	Oct 15	Faculty training in subject domain (outstation)	4.00
10	Faculty training in subject domain (outstation)	10	Oct15	Faculty training in subject domain (Outstation)	4.00
11	Modeling and Performance of Transmission Lines	Mrs.M.Bhavani Mr.A.Thangaraj	Nov 2015	Faculty	2.00
12.	Modeling and Simulation of Engineering Applications	Mrs.R.Sudha Mr.V.Arivumani	Nov 2015	Faculty	2.00
13.	Challenges and Opportunities in Renewable Energy Integration	Mr.K.Mohan Dr.I.Thangaraju	Dec 2015	Faculty	2.00
14.	Recent trends in Optimization and Control	Mr.A.Thangaraj Dr.I.Thangaraju	Dec 2015	Faculty	2.00
15	Participation of Faculty in outstation Seminar /Conferences/ Workshops	All Faculty	Dec 15	Faculty	3.00
16	Faculty training in subject domain (outstation)	10	Jan 16	Faculty training in subject domain (outstation)	4.00

S.No.	FDP	Coordinators	Tentative Month / Year	Target audience	Expected Budget Expenditure in Lakhs
17	Faculty training in subject domain (outstation)	10	Apr 16	Faculty training in subject domain (outstation)	4.00
18.	Automotive Power Sources and Energy management System for EV and HEV	Mr.A.Thangaraj Mrs.M.Bhavani	May 2016	Faculty	2.00
19	Research Challenges in Automated Substation – SCADA & Relay co-ordination	Mrs.R.Sudha Mr.V.Arivumani	May 2016	Faculty	2.00
20	Solar Photovoltaic - Design and Application	Mr.K.Mohan Mr.V.Arivumani	May 2016	Faculty	2.00
21	Recent trends in HVDC & FACTS	Dr.I.Thangaraju Mr.K.Mohan	June 2016	Faculty	2.00
22	Microgrid: An Emerging Technology to Enhance Power System reliability	Mr.V.Arivumani Mrs.M.Bhavani	Nov 2016	Faculty	2.00
23	Digital Controllers for Special Machine Drives	Mr.A.Thangaraj Dr.I.Thangaraju	Nov 2016	Faculty	2.00
24	Recent Trends in Power System Protection and Numerical relay	Mr.K.Mohan Mr.V.Arivumani	Nov 2016	Faculty	2.00
25	Real Time Application using Labview	Mrs.R.Sudha Dr.I.Thangaraju	Dec 2016	Faculty	2.00
	Total				57.6

ECE**Detailed List of FSD**

S.No.	FDP	Coordinators	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
1	Optical Communication	Dr.G.Suchitra	Nov '15	2.0
2	Wireless Sensor Networks	Dr.V.Thirunavukkarasu	Dec '15	2.0
3.	FPGA Programming and Applications Development	Dr.M.Chandrasekaran	Dec '15	2.0
4	MATLAB Programming	M.Kavitha	May '16	2.0
5	Networking Resources like Printers, Scanners, Cameras etc	Dr.M.Chandrasekaran	June '16	2.0

6	Wireless Networks	Dr.V.Thirunavukkarasu	Nov '16	2.0
7	VLSI design using Cadance	M.Kavitha	Dec '16	2.0
	SDP			
8	Using Test and Measuring Equipment	Mrs.Kavitha	Dec 2015	1.4
Total	08			15.4

Mechanical Engineering

Action Plan for Faculty & Staff Development (2015-16)

Sl. No	Faculty Development Programme	Month & Year	Approximate Cost in Rs.Lakhs
1	Recent advances in Optimization Techniques	May 15	1.5
2	Workshop on Research Methodology	May 15	1.5
3	Recent advances in IC Engine Research	May 15	1.5
4	Recent advances in Alternative Fuels	May 15	1.5
5	Team Building & Professional Ethics	June 15	1.5
6	Research opportunities in CAD/CAM/CAE	June 15	1.5
7	Workshop on statistical tools for researchers	June 15	1.5
8	Workshop on Taguchi techniques	June 15	1.5
9	FDP on Processing and Applications of Green Composites	Dec 15	1.5
10	Workshop on NDT	Dec 15	1.5
11	Workshop on alternative refrigerants	Dec 15	1.5
12	Bio based fuels as an alternative	April 16	1.5
13	Modelling and Simulation in Mechanical Engineering	April 16	1.5
14	FDP on Macro, Meso/ Micro Manufacturing and Nano metrology	April 16	1.5
15	Residual Measurement Techniques	April 16	1.5
16	Workshop on Engine Electronics	June 16	1.5
17	Emission control & EURO norms	June 16	1.5
18	FDP on Computational Fluid Dynamics	June 16	1.5
19	Need Based training offered by IIT, IIM, NIT, ESCI and ASC	As arise	3.0
TOTAL			30

1. Detailed List of FSD - Chemistry

S.No.	FDP	Coordinators	Tentative Month / Year	Expected Budget Expenditure Lakhs
1.	Recent trends in Analytical Techniques	Dr.Saraswathy.G, AP(Sr.G)/Chermistry	Nov'15	2.5
2.	Environmental chemistry	Dr.Saraswathy.G, AP(Sr.G)/Chermistry	May'16	2.5
3.	Workshop on Analytical Chemistry	Dr.Saraswathy.G, AP(Sr.G)/Chermistry	Nov'16	1.5
4.	International conference on "Analytical techniques and its application in Environmental Chemistry"	Dr.Saraswathy.G, AP(Sr.G)/Chermistry	Dec'16	5.0
Total				11.5

Faculty Development Programme Details:

S.No.	Title of the training programme	Duration	Tentative month	Name of the Coordinator	Approx. Budget (in lakhs)
1	Recent Research Advances in Nanoscience and Technology	7 Days	July 2015	R. Bakkiyaraj	2.5
2	Recent trends in Advanced materials and its Engineering Applications	7 Days	July 2016	R. Bakkiyaraj	2.5
TOTAL (in lakhs)					5

Training/Development of technical/support staff (SDP)- CSE

S.No	SDP	Coordinators	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Computer Basics and DTP	C.SatheeshPandian	May 2015	1.5
2	Stress Management	J.Nafeesa Begum	August 2015	1.5
3	PC hardware and maintenance	S.Selvi	May 2016	1.5
4	Communication Skills	C.M.T.Karthikeyan	August 2016	1.5
	Total			6 lakhs

EEE**Detailed List of Staff Dev. Plan**

Sl.No.	Staff Development Programme	Coordinators	Tentative Month	Target Audience	Amount in Lakhs.
1.	PCB Design using ORCAD Tool	Mrs.R.Sudha Dr.I.Thangaraju	Apr 2015	Non Teaching Staff	1.00
2.	Testing and Calibration of Electrical Equipments	Mr.A.Thangaraj Mrs.M.Bhavani	May 2015	Non Teaching Staff	1.00
3.	Programming Techniques in Micro Processor & Micro Controller	Dr.I.Thangaraju Mr.V.Arivumani	May 2015	Non Teaching Staff	1.00
4.	Graphical Programming using Labview	Mr.K.Mohan Mr.V.Arivumani	June 2015	Non Teaching Staff	1.00
5.	Earthling Practices to Electrical Engineers	Mrs.M.Bhavani Mr.A.Thangaraj	June 2015	Non Teaching Staff	1.00
6.	Servicing of Electrical Apparatus	Dr.I.Thangaraju Mrs.R.Sudha	Oct 2015	Non Teaching Staff	1.00
7	Design and Maintenance of Solar Power Plant	Mr.K.Mohan Mr.V.Arivumani	Oct 2015	Non Teaching Staff	1.00

Sl.No.	Staff Development Programme	Coordinators	Tentative Month	Target Audience	Amount in Lakhs.
8.	Industrial Automation Using PLC	Mr.A.Thangaraj Mrs.M.Bhavani	Nov 2015	Non Teaching Staff	1.00
9.	Numerical Relays & Circuit Breakers	Mr.V.Arivumani Dr.I.Thangaraju	Nov 2015	Non Teaching Staff	1.00
10.	Present & Future Research trends in Electronics and Instrumentation Engineering	Mrs.R.Sudha Mr.K.Mohan	Dec 2015	Non Teaching Staff	1.00
11.	How to use various Simulation Softwares	Mrs.M.Bhavani Mr.A.Thangaraj	Dec 2015	Non Teaching Staff	1.00
12.	Hands On training Program on machine Design using MATLAB	Mrs.R.Sudha Dr.I.Thangaraju	Apr 2016	Non Teaching Staff	1.00
13.	Design and Fabrication of Printed Circuit Board (PCB)	Mr.A.Thangaraj Mrs.M.Bhavani	Apr 2016	Non Teaching Staff	1.00
14.	Maintenance of Diesel Generator Set	Dr.I.Thangaraju Mr.V.Arivumani	May 2016	Non Teaching Staff	1.00
15.	Communication Skill Development	Mr.K.Mohan Mr.V.Arivumani	May 2016	Non Teaching Staff	1.00
16.	Project Co-ordination & Stress Management	Mrs.M.Bhavani Mr.A.Thangaraj	June 2016	Non Teaching Staff	1.00
17.	Transformer , Motor and Generator Winding Practices	Dr.I.Thangaraju Mrs.R.Sudha	Nov 2016	Non Teaching Staff	1.00
18.	Energy Auditing	Mr.K.Mohan Mr.V.Arivumani	Nov 2016	Non Teaching Staff	1.00
19.	The 8051 Microcontroller and Embedded Systems Using C	Mr.A.Thangaraj Mrs.M.Bhavani	Nov 2016	Non Teaching Staff	1.00
20.	E-learning	Mr.V.Arivumani Dr.I.Thangaraju	Nov 2016	Non Teaching Staff	1.00
21.	Vibrations in Rotating Machines	Mrs.R.Sudha Mr.K.Mohan	Dec 2016	Non Teaching Staff	1.00
22.	Electrical Protection and Safety Measurements	Mrs.M.Bhavani Mr.A.Thangaraj	Dec 2016	Non Teaching Staff	1.00
	Total				22.0

Mechanical – Staff Development Programme

Sl. No	Staff Development Programme	Month & Year	Approximate Cost in Rs.Lakhs
1	Workshop on Measurements& Calibration	May 15	0.5
2	Workshop on Automation	May 15	0.5
3	Industrial Pneumatics	June 15	0.5
4	Manufacturing Systems	June 15	0.5
5	Training on Special Purpose Machines	Dec 15	0.5
6	Testing & Consultancy using SM lab equipment	Dec 15	0.5
7	Advanced welding technologies	May 16	0.5
8	Need Based training offered by MSME, NIT and ESCI etc.	As arise	2.0
TOTAL			5.5

5. Action Plan for Industry Institute Interaction CSE

Justification

Short term workshops with industry

- Academic networking with industry/research institutions including industry-exposure to teachers and students
- Campus placements of graduates (UG & PG)
- Students internship at industry
- Joint activities with industry
- Higher learning initiatives and Core competency training – Technical skills

Month/ Year	Sl No	Activity	Budget(Lakhs)
April -15		NIL	0
May 2015	1	Spoken Communication	1,40,000
Jun-15	1	Written communication	1,40,000
Jul-15	1	OOPS Concepts in Industries	1,40,000
Aug-15	1	Automation through Robotics	1,40,000
Sep-15	1	PHP Programming	1,40,000
Oct -15	1	E learning	1,40,000
Nov -15	1	Presentation Skills	1,40,000
	2	Mat Lab Tools	1,40,000
Dec-15	1	OOSE for software development	1,40,000
	2	Ethical Hacking	1,40,000
Jan-16	1	Preparation for Industrial Careers	1,40,000
May -16	1	Team Building	1,40,000
July-16	1	Entrepreneurship Development Workshop	1,40,000
Aug-16	1	Applications of Computer in Bio Tech Industry	1,40,000
Sep-16	1	Guidance on developing business and industry connections and partnerships	1,40,000
	2	Exposure to mathematical and statistical problems that arise in industry	1,40,000
16 Targets			22.4

EEE

Justification: Trainings are conducted with industrial experts to bridge the gap between curricula and the industry

SI No	Programme Name	Industry	Year/DEPT	Rs. (Lakhs)
1	One Day Seminar on Software Applied to Power systems In July 15	Vi Micro Systems, Chennai	3rd year, Final year 130 students	1.2
2	3 Day Workshop on ARM 7 Processor in Aug 15	PanTech Solutions, Chennai	III year EEE	0.7
3	DSP based Speed Control of Special Electrical Drives in Sep15	Vi Micro Systems	IV year EEE	0.7
4	Campus Placement Cracker(EEE) in Oct15	Focus Academy Career Enhancement,Coimbatore	III Year EEE	0.7
5	Empower in Jan 16	Focus Academy Career Enhancement,Coimbatore	IV Year EEE	0.7
6	PCB design and fabrication Jan16	Alpha Beta Solutions, Madura	II EEE	0.7
7	PLC , SCADA and automation in Feb 16	PanTech Solutions, Chennai	III year EEE	0.7
8	Gate Coaching Feb16 and Mar16	Alpha Beta Solutions, Madura	III, IV EEE	2.4
9	W ebinar from CII	CII	II,III,IV EEE	2
10	Industrial Projects from Jan 16	Any Industry	IV EEE	0.4
11	Embedded Design in Feb 16	Industry Alumonii	III,IV EEE	1.4
TOTAL				11.6

ECE

List of Industry Institute Interaction Activities

SI No	Programme Name	Industry	Year/DEPT	Amount in Lakhs
1	One Day Expert Guidance on Designing Embedded System Aug-15	STEPS, Coimbatore	III, IV Year ECE 130 students	1.20
2	2 Day Robotic Design and Applications Sep 15	Frontline Electronics Pvt. Ltd., Salem	III year ECE	1.50
3	TMS320CX based DSP application Oct 15	Texas Instruments	III year ECE	1.50
4	Campus Placement Cracker Nov 15	Focus Academy Career Enhancement,Coimbatore	II Year ECE	0.75
5	PCB Design and fabrication techniques Jan 16	PanTech Solutions, Chennai	IV Year ECE	1.0
6	OSCAD Electronic Circuit	Spoken Tutorial by IIT Mumbai	II & III Year	0.5

12th BGS Minutes of meeting conducted on 20th March 2015

	Simulation Feb 16		ECE	
7	Webinar from CII Mar 16	CII, Chennai	II, III & IV year ECE	1.0
8	PLC , SCADA and automation Mar 16	PanTech Solutions, Chennai	III year ECE	0.70
	Total			8.15

Mechanical Engg.

Justification: Trainings are conducted with industrial experts to bridge the gap between curricula and the industry

Sl. No	Item	Month & Year	Approximate Cost in Rs.Lakhs
1	Short term workshops with industry	June 15- Dec16	2.5
2	Academic networking with industry/research institutions including industry-exposure to teachers and students	June 15- Dec16	2.5
3	Campus placements of graduates (UG & PG)	March 16	3.0
4	Students internship at industry	June 15	2.0
5	Joint activities with industry	July 2016	2.0
TOTAL			12.0

6. Detailed List of III Activities – Science & Humanities

Justification

Since Dept. of Chemistry has planned to establish R&D in Environmental Engg., workshop/training with industry will enhance the quality of R&D lab by updating their current practices and needs and also will increase IRG.

Industrial Interaction will create an opportunity in finding the problems faced by the industry like waste disposal, water treatment methods, etc. and that can be given to the UG students as mini projects and solutions may be suggested to solve the industrial problems.

Chemistry

Month/Year	Sl No	Activity	Budget(Lakhs)
Dec'-15	1	Workshop/Training with industry	1.5
	2	Sludge treatment –TITAN, Hosur	1.5
Total:			3.0

S.No.	Title of the STP	Name of the industry	Duration	Tentative month	Approx. Budget (in lakhs)
1.	STP on Patent Registration(First year all branches)	Intellectual Property of India, Chennai	One Day	Apr' 2015	1.50
2.	Solar Photovoltaic Design and Energy Audit: Theory and Practices(first year all branches)	GPOWER SOLUTIONS, CHENNAI	Two days	Sep' 2015	2.50
Total (in lakhs)					4.00

7. Action Plan for Capacity Enhancement –

CSE

S.No.	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Good Governance	IIM,Kozhikode	Nov 15	.5
2	Engg Education Initiatives for betterment	IIM,Banglore	Nov 16	.5
Total				1.00

EEE

Detailed List of Capacity Enhancement Training

S.No.	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Capacity Enhancement Training	IIM Trichy	Jun 15	0.5
2	Capacity Enhancement Training	IIM,kozhibcode	Aug 15	0.5
3.	Capacity Enhancement Training	IIM, Ahamadabad	Dec 15	0.5
4.	Capacity Enhancement Training	IIM Trichy	Apr16	0.5
5.	Capacity Enhancement Training	IIM,kozhibcode	May 16	0.5
Total				2.50

ECE

Detailed List of Capacity Enhancement Training

S.No.	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Organizational Leadership for the 21st Century	IIM, Ahamadabad	July 15	0.5
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	Nov 15	0.5
3.	Capacity Enhancement Training	IIM, Ahamadabad	Dec 15	0.5
4.	Leadership and Change Management	IIM Trichy	Apr16	0.5
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	May 16	0.5
Total	5			2.50

Mechanical Engg.

Sl. No	Item	Month & Year	Approximate Cost in Rs.Lakhs
1	Exposure/Training of senior teaching/non-teaching members in management capacity development	July15;Dec 15& July 16, dec16	20
TOTAL			20

Detailed List of Capacity Enhancement Training -Chemistry

S.No.	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Need based	IIMs	May 15& Nov 16	2

8. Action Plan for Institution Reforms:

CSE

Sl.No	Academic Year	Activities	Month & Year	Amount in Lakhs
1	2015-16	Innovations aiming at improvement in quality of education	Jul 2015	2
2	2016-17	Innovations aiming at improvement in quality of education	July 2016	2
Total				4

ECE

12th BOG Minutes of meeting conducted on 20th March 2015

Sl.No	Academic Year	Activities	Month & Year	Amount in Lakhs
1	2015-16	Innovations aiming at improvement in quality of education	Jul 2015	2
2	2016-17	Innovations aiming at improvement in quality of education	July 2016	2
Total				4

EEE

Sl.No	Academic Year	Activities	Month & Year	Amount in Lakhs
1	2015-16	Innovations aiming at improvement in quality of education	Jul 2015	2
2	2016-17	Innovations aiming at improvement in quality of education	July 2016	2
Total				4

Mechanical Engg

Sl. No	Item	Month & Year	Approximate Cost in Rs.Lakhs
1	Fee for NBA accreditation	April 2015	2.0
2	Activities / Innovations aiming at improvement in quality of education	July 15 – Dec 16	5.0
TOTAL			7.0

9.Action Plan for Academic Support for Weak Students**CSE**

Sl No	Student Training Programme	Coordinators	Tentative Month/Year	Target Audience	Budget(Lakhs)
1	Spoken Communication	J.Nafeesa begum	Jul-15	IV Year	1,40,000
2	Written communication	C.SatheeshPandian	Aug-15	IV Year	1,40,000
3	Red Hat Linux Administration	B.Sivaranjani	Sep-15	IV Year	1,40,000
4	Web Development	C.M.T.Karthikeyan	Oct-15	III Year	1,40,000
5	Communication and Personality Development	S.Selvi	Nov-15	III Year	1,40,000
6	Fast Mathematics	N.Jagadeeshwari	Dec-15	III Year	1,40,000
7	Time Management	J.Nafeesa begum	Jan-16	II Year	1,40,000
8	Problem Solving Skills	C.SatheeshPandian	Feb-16	II Year	1,40,000
9	Preparing for GRE	B.Sivaranjani	March-16	I/II/III/IV (Interested)	1,40,000
10	Training on how to develop skills in	C.M.T.Karthikeyan	April-16	II year	1,40,000

SI No	Student Training Programme	Coordinators	Tentative Month/Year	Target Audience	Budget(Lakhs)
	students that are valued by employers				
11	Simple German	S.Selvi	May-16	I/II/III/IV (Interested)	1,40,000
12	Critical Thinking	N.Jagadeeshwari	June 16	I year	1,40,000
13	Grammar Confidence	J.Nafeesa begum	July -16	I year	1,40,000
14	Advanced Java	C.SatheeshPandian	Aug -16	III Year	1,40,000
15	Networking Skills	B.Sivaranjani	September-16	II Year	1,40,000
16	C Skill Set	C.M.T.Karthikeyan	October-16	I Year	1,40,000
17	Android Application Development	S.Selvi	November-16	II Year	1,40,000
18	Developing Data Structures	N.Jagadeeshwari	December-16	III Year	1,40,000
	Total : 18				25.2

CSE – Subject Training

Academic Support:

DEC 2015

SI No	Subject Name	Year/Sem	Budget
1	Analog & Digital Communication	II/3	RS:10,000/-
2	Programming & Data Structures	II/3	RS:10,000/-
3	Principles of Communication	III/5	RS:10,000/-
4	Computer Graphics	III/5	RS:10,000/-
	Total		RS: 40,000

July 2016

SI No	Subject Name	Year/Sem	Budget
1	Digital Principles and System Design	1/2	Rs: 10,000/-
2	Design & Analysis of Algorithm	II/4	RS:10,000/-
3	Microprocessor and microcontroller	II/4	RS:10,000/-
4	Artificial Intelligence	III/6	RS:10,000/-
5	Compiler design	III/6	RS:10,000/-
6	Digital Signal processing	III/6	RS:10,000/-

December 2016

12th BOG Minutes of meeting conducted on 20th March 2015

Sl No	Subject Name	Year/Sem	Budget
1	Analog & Digital Communication	II/3	RS:10,000/-
2	Programming & Data Structures	II/3	RS:10,000/-
3	Principles of Communication	III/5	RS:10,000/-
4	Computer Graphics	III/5	RS:10,000/-
5	Cryptography & Network Security	IV/7	RS:10,000/-

EEE

Detailed List of Academic Support for Weak Students

Sl No	Subject Name	Year	Sem	Budget
1.	Discrete Time Systems and Signal Processing	Apr 2015	II Yr	0.10
2.	Microprocessor and Microcontrollers	Apr 2015	III Yr	0.10
3.	Design of Electrical Machines	Apr 2015	III Yr	0.10
4.	Object Oriented Programming	Apr 2015	IV Yr	0.10
5.	Digital Logic Circuits	Oct 2015	II Yr	0.10
6.	Electro Magnetic Theory	Oct 2015	II Yr	0.10
7.	Power System Analysis	Oct 2015	III Yr	0.10
8.	Control System	Oct 2015	IV Yr	0.10
9.	Electronic Devices and Circuits	Oct 2015	II Yr	0.10
10.	Microprocessor and Microcontrollers	Oct 2015	III Yr	0.10
11	Electrical Machines-II	Oct 2015	III Yr	0.10
12	Power System Operation and Control	Oct 2015	IV Yr	0.10
13	Electrical Machines-I	Mar 2016	II Yr	0.10
14	Transmission & Distribution	Mar 2016	II Yr	0.10
15	Discrete Time Systems and Signal Processing	Mar 2016	II Yr	0.10
16	Power System Operation and Control	Mar 2016	III Yr	0.10
17	Design of Electrical Machines	Mar 2016	III Yr	0.10
18	Object Oriented Programming	Mar 2016	II Yr	0.10
19	Power System Operation and Control	Mar 2016	IV Yr	0.10
20	Protection & Switchgear	Mar 2016	IV Yr	0.10

SI No	Subject Name	Year	Sem	Budget
21.	Digital Logic Circuits	Oct 2016	II Yr	0.10
22	Electro Magnetic Theory	Oct 2016	II Yr	0.10
23	Power System Analysis	Oct 2016	III Yr	0.10
24	Control System	Oct 2016	III Yr	0.10
25	Electronic Devices and Circuits	Oct 2016	II Yr	0.10
26	Microprocessor and Microcontrollers	Oct 2016	III Yr	0.10
27.	Electrical Machines-II	Oct 2016	III Yr	0.10
28	Protection & Switchgear	Oct 2016	IV Yr	0.10
Total				2.8

ECE

Detailed List of Academic Support for Weak Students

SI No	Subject Name	Year/Sem	Month / year	Budget
1	Electronic Circuits-I	II/3	July 2015 to Dec 2015	RS:10,000/-
2	Object Oriented Programming	II/3		RS:10,000/-
3	Signals & Systems	II/3		RS:10,000/-
4	Digital Communication	III/5		RS:10,000/-
5	Transmission Lines and Waveguides	III/5		RS:10,000/-
6	Communication Theory	II/4	Jan 2016 to June 2016	RS:10,000/-
7	Electromagnetic fields	II/4		RS:10,000/-
8	Linear Integrated Circuits	II/4		RS:10,000/-
9	Control Systems	II/4		RS:10,000/-
10	VLSI Design	III/6		RS:10,000/-
11	Antenna and Wave Propagation	III/6		RS:10,000/-
12	Electronic Circuits-I	II/3	July 2016 to Dec 2016	RS:10,000/-
13	Object Oriented Programming	II/3		RS:10,000/-
14	Signals & Systems	II/3		RS:10,000/-
15	Digital Communication	III/5		RS:10,000/-
16	Transmission Lines and Waveguides	III/5		RS:10,000/-
Total	16			Rs.1.6 lakhs

Detailed List of Subject Training in ECE (Academic Support)

S.No.	Student Programme	Training	Coordinators	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
1	C & C++ Programming		Dr.V.Thirunavukkarasu Mr.M.Arul Kumar	July 15	II	3.0
2	Computer Network Simulation		Dr.M.Chandrasekaran Mr.K.Manogaran		III Yr	1.5
3	PCB Design Soldering Practice		Dr.V.Thirunavukkarasu Mrs.P.E.Irin Dorathy		III	1.5

4	PCB Design Soldering Practice	Dr.V.Thirunavukkarasu Mr.M.Elangovan		IV yr	3.0
5	Soldering Practice	Dr.V.Thirunavukkarasu Dr.G.Suchitra	Aug 15	II Yr	1.5
6	Electronic Circuit Design using OrCAD / OsCAD	Dr.V.Thirunavukkarasu Mr.M.Arul Kumar		III Yr	1.5
7	MATLAB and Xilinx programming	Dr.V.Thirunavukkarasu Mrs.P.E.Irin Dorathy		IV Yr	1.5
8	C and C++ Programming	Dr.V.Thirunavukkarasu Mr.M.Arul Kumar	Sept 15	II Yr	2.0
9	MATLAB programming	Dr.V.Thirunavukkarasu Dr.G.Suchitra		III Yr	1.5
10	DSP Architectures	Mr.M.Arul Kumar	Oct 15	III Yr	1
11	Training for GATE	Mr.M.Elangovan		IV Yr	1
12	Embedded System and Robotics	Dr.M.Chandrasekaran	Nov 15	II Yr	1
13	Embedded System Design	Mr.K.Manogaran		III Yr	1
14	RF Circuit Design	Dr.G.Suchitra		IV Yr	1
15	Digital systems	Mr.M.Kavitha	Dec 15	II	1
16	Microprocessor and Microcontroller	Dr.V.Thirunavukkarasu		III	0.75
17	Mobile Communication	Mr.M.Elangovan		IV yr	0.75
18	PCB Design Soldering Practice	Mrs.Kavitha		Jan 16	II yr
19	Robotics	Mr.K.Manogaran		III yr	3.0
20	Image Processing & Matlab Simulation	Dr.V.Thirunavukkarasu		IV	1.5
21	PSpice Simulation	Dr.G.Suchitra	Feb 16	II yr	1.5
22	Embedded System Design	Dr.V.Thirunavukkarasu		III yr	3.0
23	VLSI Design	Mr.M.Arul Kumar		IV	1.5
24	Equipment Testing and Calibration	P.E.Irin Dorathy	Mar 16	III	1.5
25	Computer Network Simulation	Mr.K.Manogaran		IVYr	1.5
26	C & C++ Programming	Mr.M.Arul Kumar	July 16	II	3.0
27	Computer Network Simulation	Mr.K.Manogaran		III Yr	1.5
28	VLSI Design using Cadence	Mr.M.Arul Kumar		III	1.5
29	PCB Design Soldering Practice	Mr.M.Elangovan	Aug 16	IV yr	3.0
30	Equipment Testing and Calibration	Dr.G.Suchitra		II Yr	1.5
31	Electronic Circuit Design using OrCAD / OsCAD	Mr.M.Arul Kumar		III Yr	1.5
32	MATLAB and Xilinx programming	Mrs.P.E.Irin Dorathy	Sept 16	IV Yr	1.5
33	Innovative Project Design	Mr.K.Manogaran		II Yr	2.0
34	MATLAB programming	Dr.V.Thirunavukkarasu		III Yr	1.5

35	DSP Architectures	Mr.M.Arul Kumar	Oct 16	III Yr	1
36	Training for GATE	Mr.M.Elangovan		IV Yr	1
37	Embedded System and Robotics	Dr.M.Chandrasekaran	Nov 16	II Yr	1
38	Test and Measuring Equipment Calibaration standards	Mrs.Kavitha		III Yr	1
39	Micro Robots	Mr.K.Manogaran		IV Yr	1
40	Circuit design	Mr.M Arul Kumar	Dec 16	II	1
41	Digital signal processing	Dr.V.Thirunavukkarasu		III	0.75
42	Microwave communication	Mr.M.Elangovan		IV	0.75
Total	42				64

Mechanical Engineering

1. Action Plan for Academic Support for Weak Students

SI No	Subject Name	Year	Sem	Budget Rs.Lakhs
1	Engineering Graphics	July 15,16	I	0.20
2	Strength of Materials	July 15,16	III	0.20
3	Engineering Thermodynamics	July 15,16	III	0.20
4	Fluid mechanics	July 15,16	III	0.20
5	Heat and Mass Transfer	July 15,16	V	0.20
6	Design of Machine elements	July 15,16	V	0.20
7	Meteorology and Measurements	July 15,16	V	0.20
8	Dynamics of Machines	July 15,16	V	0.20
9	Engineering Mechanics	April 15, 16	II	0.20
10	Kinematics of Machinery	April 15, 16	IV	0.20
11	Thermal Engineering	April 15, 16	IV	0.20
12	Design of Transmission Systems	April 15, 16	VI	0.20
13	Finite Element Analysis	April 15, 16	VI	0.20
Total				2.6

Student (Subject) Training – Academic Support

SI. No	Student Training Programme	Month & Year	Approximate Cost in Rs.Lakhs
1	Intensive Training on Engineering Graphics	July 15	0.75
2	Advanced Training Programme in CAE (NAFEMS)	July 15	0.75
3	Workshop RC aircraft modelling	July 15	0.75
4	Quality Systems training	Aug 15	0.75
5	Training on ABAQUS	Aug 15	0.75
6	Advanced Modelling Techniques using CATIA	Aug 15	0.75
7	Kinematic Simulation using ADMS	Sep 15	0.75
8	Communication Skills	Sep 15	0.75
9	Machining simulation using ABAQUS	Sep 15	0.75
10	Flow simulation using ABAQUS	Oct 15	0.75
11	State level project competition	Oct 15	0.75
12	Workshop on surface engineering	Oct 15	0.75
13	Workshop on Entrepreneurship	Jan 16	0.75
14	Workshop on Nuclear energy	Jan 16	0.75

15	Training on Renewable energy	Jan 16	0.75
16	Robotics - Practical Training	Feb 16	0.75
17	Workshop on Nano materials and applications	Feb 16	0.75
18	Workshop on application of Engineering Mechanics concepts	March 16	0.75
19	Surface Modelling Techniques	March 16	0.75
20	Time & Stress Management	March 16	0.75
21	Nonlinear analysis of Engineering Materials	July 16	0.75
22	Workshop on Newer and Smart Materials	July 16	0.75
23	Workshop on Noise, Vibration and Harness	July 16	0.75
24	Workshop on DFMA	Aug 16	0.75
25	Workshop on Geometric Design & Tolerance	Aug 16	0.75
TOTAL			18.75

Detailed List of Academic Support for Weak Students -Chemistry

S.No	Student Programme	Training	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
1	Engg. Materials and its applications		Oct'15	I yr/I sem ECE/EEE/CSE/MECH; students/branch	0.4
2	Corrosion studies and its control methods		Apr'16	Iyr/IIsem ECE/EEE/CSE/MECH; students/branch	0.4
3	Nanochemistry and its applications		Oct'16	I yr/I sem ECE/EEE/CSE/MECH; students/branch	0.4
4	Environmental Science and Engg.		Sep'15	IIyr / IIIsem EEE / CSE & IIIyr / Vsem ECE; students/branch	0.3
5	Environmental Science and Engg.		Sep'16	IIyr / IIIsem EEE / CSE & IIIyr / Vsem ECE ; students/branch	0.3
	Total				1.8

Student Training/Workshop/ Seminar Programme Details: - Physics

S.No.	Title of the training programme	Duration	Tentative month	Approx. Budget (in lakhs)
1	Advanced Engineering Materials(ECE & CSE Students)	2 Days	Mar'2015	1.30
2	Advanced Engineering Materials(MECH & EEE Students)	2 Days	Apr'2015	1.30
3	Basic Fire Safety and First Aid Techniques(ECE & CSE)	2 Days	Apr'2015	1.30
4	Basic Fire Safety and First Aid Techniques(ECE ,CSE, EEE & MECH)	2 Days	May'2015	2.50
5	Orientation Programme for fresher's(all branches)	1 Day	Aug'2015	1.50
6	Modern Engineering Role of Laser Photonics & Fiber Optics(ECE & MECH)	2 Days	Sep'2015	1.30

	CSE Students)			
7	Modern Engineering Role of Laser Photonics & Fiber Optics(EEE & Mech Students)	2 Days	Sep'2015	1.30
8	Recent Advances in Quantum Mechanics and its Engineering Applications(ECE & CSE Students)	2 Days	Oct'2015	1.30
9	Recent Advances in Quantum Mechanics and its Engineering Applications (MECH & EEE Students)	2 Days	Oct'2015	1.30
10	Recent Advances in Science and Technologies	2 Days	Feb'2016	1.30
11	Student Project Estimation, Design and Testing: Theory and Practices	2 Days	Mar'2016	1.30
12	Magnetic materials and its Engineering Applications	2 Days	Mar' 2016	1.30
13	Superconducting materials and its Applications	2 Days	Apr'2016	1.30
14	Orientation Programme for fresher's(all branches)	1 Day	Aug'2016	1.50
15	Recent Advances in Science and Technologies(All branches)	2 Days	Sep'2016	2.50
16	Modern Engineering Role of Laser Photonics & Fiber Optics(ECE & CSE Students)	2 Days	Oct' 2016	2.50
Total Budget(in lakhs)				24.80

9. Action Plan for IOC :

Detailed List of IOC Activities -EEE

Sl No	Activity	Month/Year	Budget
1.	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	Apr 15 to June 15	1.0
2.	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	July 15 to Sep 15	1.0
3.	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	Oct 15 to Dec 15	1.0
4.	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	Jan 16 to Mar 16	1.0

5	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	Apr 16 to June 16	1.0
6	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	July 16 to Sep 16	1.0
7.	Expenses for training programme including training / course fee, consumables, Consultants (experts) fee related to R&D.	Oct 16 to Dec 16	1.0
Total			7.0

ECE – Nil

Mechanical Engg.

Other Expenses in IOC (Mechanical Engg)

1. AMC for smoke meter, exhaust gas analyzer is required every year.
2. Calibration of UTM, spring testing machine and torsion testing machine will be carried out using incremental operating.
3. Extension of warranty period for the software purchased under TEQIP-II, upgradation of the software purchased will be carried using IOC.

Total Expenditure – Rs. 10 Lakhs

Institutional Level Expenditure :

Salary of MIS Officer & Data Entry Operator up to Dec 2016 Rs. 6.30Lakhs

Approved

12.6 C. Approval of VISION 2020

Vision 2020 – action plan of GCE, Bargur for next five years for continuous improvement is submitted to BOG for approval.

GCE BARGUR VISION 2020

Vision of the Institution

To provide world class engineers who are ethical and good citizens of our motherland

Mission of the Institution

To groom the student community through learner centric quality lectures, laboratories, Library and value added training.

Objectives of VISION 2020

- Getting NBA accreditation
- Creating Center of Excellence
- Improve R&D and consultancy practices
- Improve placement & Higher studies

- New PG programmes
 - M.E. Communication Systems
 - M.E. Computer Science and Engineering
 - M.E. Cyber Security
 - M.E. Electrical Drives and Embedded Control
 - M.E. Renewable Energy
 - M.E. Thermal Engineering
 - M.E. Manufacturing Engineering

- **New Lab to be Established :**
 - Advanced Communication Systems lab(ECE)
 - Innovative System Design Lab(ECE)
 - Solar Energy Lab(EEE)
 - Waste to Energy Conversion Technology Lab(EEE)
 - Cloud computing lab(CSE)
 - Basic Automation lab(CSE)
 - Virtual Cryptology lab(CSE)
 - Communication technologies lab(CSE)
 - Alternate Fuel Research Lab (Mech)

- **Creation of Center of Excellence**
 - **Centre of Excellence for VLSI Design**
 - **Centre of Excellence for Robotics**
 - **Instrument Testing and Calibration Centre**
 - **CoE in Cyber Technology and Information Security**
 - **CoE in Special Electrical Drives and Renewable Energy**
 - **CoE in Alternate Fuel Research**
 - **CoE in Renewable energy for processing agro products**
 - **CoE in Environmental Science and Engineering**

BOG Chairman & BOG Members Er. Thanikachalam suggested to start Civil Engineering Branch at least from 2016-17 onwards . Dr. G. Saravanan, Civil Nodal Officer TEQIP-II accepted to submit the proposal to start Civil Engineering Branch at GCE Bargur from 2016-17 onwards in next BoG meeting.

COMPONENTWISE OVERALL BUDGET

COMPONENTS	2015-2016	2016-2017	2017-2018	2018-2019	2019- 2020	TOTAL
1.a. Procurement	1832.70	943.52	255.53	191.99	285.14	3508.88
1.b Civil works						
2. Phd Assistantship	105.93	108.53	107.53	107.83	108.23	235.85
3.R&D	112.20	84.71	50.21	79.71	74.21	401.04
4.a.FDP	177	89.44	86.88	79.34	58.88	491.54
4.b.SDP						
5.Academic support	143.15	88.9	90.5	88.7	81.9	493.15
6.III	59.65	26.5	24.55	26.5	24.55	161.75
7.Management Capacity	28	9.5	10	10	10	67.5
8.Institutional reforms	19	5	6	5	7	42
9.IOC	23.30	16	10	15	19	83.3
Total	2500.8	1279.6	550.32	512.43	615.79	5485.01

Detailed List of Procurement- CSE

Justification for the procurement

2017: Establishment of One PG Course + Cloud Computing Lab : Civil and Equipments

2018: Establishment of Basic Automation Lab : Civil and Equipments

2019: Establishment of Communication Technologies Lab : Civil and Equipments

2020: Establishment of Visual Cryptology Lab : Civil and Equipments

Month/Year	Equipment/Software	Budget(Lakhs)
August-15	Purchase of 1 Projector and Accessories for classrom	1
	Membership in Consortium – 1 number	1
September-15	Membership in Consortium – 1 number	1
October-15	CoE - Purchase of 1 Projector and Accessories for Centre of Excellence	1

Month/Year	Equipment/Software	Budget(Lakhs)
	Membership in Consortium – 2 number	2
	CoE – Purchase of 100 computers	50
November-15	Membership in Consortium – 2 number	2
	CoE -Purchase of 3 Servers	3
December-15	CoE -Purchase of 3 - 10 KVA ups	9
January -16	CoE -Furniture : 100 Numbers	10
February -16	CoE -Air conditioners for the Lab :15	5
March -16	CoE -High speed Network Printers: 4	3
Apr-16	CoE Networking Components : 1 set	2
April-17	Procurement : Cloud Computing Lab a. UPS : 2 lakhs (1) b. Air conditioners: 3 lakhs (9) c. Furniture: 8 lakhs (25) d. Printer: 1 lakhs(1) e. Projector and its accessories: Rs.50,000(1) f. Other accessories for networking: 2 lakhs (1 set): Total: 16.5 lakhs	16.5
April-18	Procurement : Basic Automation Lab a. UPS for Trainer kits : 2 lakhs (1) b. Air conditioners: 3 lakhs (9) c. Furniture: 8 lakhs (25) d. Projector and its accessories: Rs.50,000(1) Total: 13.5 lakhs	13.5
April-19	Procurement : Communication Technologies Lab a. UPS for Trainers: 2 lakhs (1) b. Air conditioners: 3 lakhs (9) c. Furniture: 8 lakhs (25) d. Printer: 1 lakhs (1) e. Projector and its accessories: Rs.50000(1) f. Other accessories for networking: 2 lakhs : (1 set) Total: 16.5 lakhs	16.54
April- 20	Procurement : Visual Cryptology Lab a.i7 Computers: 60 Numbers: 50,00,000: 30 lakhs b. Servers: 1 Numbers : 1 lakhs c. UPS for 60 Computers: 9 lakhs (3) d. Air conditioners: 3 lakhs (9) e. Furniture: 8 lakhs (25) f. 3Printer: 1 lakhs(1) g. Image Processing Software: 5 lakhs(1) h. Projector and its accessories: 50000(1) i. Other accessories for networking: 2 lakhs (1 set) Total: 59.5 lakhs	59.5
	Total	196.04

July 2015 to June 2016

Communication Systems Lab & VLSI Design Lab

Sl.No	Equipments	Amount in Lakhs
1	Interactive white board (4 nos)	5
2	Interactive Tablets 30 Nos.	5
3	Desktop computers (50 nos)	25
4	Network Analyser (1 no)	20
5	FPGA trainer Kit (20 nos)	10
6	Wireless sensor network trainer (10 nos)	10
7	Digital Storage Oscilloscopes	20
8	RF Generators	10
9	VLSI Design Software (Similar to Cadence) University Bundle Analog and Digital Front End and Back End 30 User Licences	20
10	Simulation Software (Similar to MATLAB)	10
11	Xilinx ISE & Modelsim simulator with Spartan –III FPGA 40 user license	25
12	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	15
	Civil Works	0
13	Construction of Class Rooms for PG Two Class rooms each of 70 sq.m with a total plinth area of 230 sq.m Cost Estimate @Rs.20,000/- per sq.m.	46
	Total	221

July 2016 to June 2017

VLSI Design Laboratory & Basic Robotics Lab

Sl.No	Software	Amount in Lakhs
1	Universal CPLD/FPGA XC 9572 TM, 15C/XC2S50 TM, 5C	10
2	Spartan-II FPGA Trainer XC2S50 TM, 5C	10
3	Xilinx Spartan-III FPGA System XC3S200 TM	10
4	CPLD Xilinx XC 9572 TM	10
5	Spartan-III XC 3S400 TM (DSP Application)d	10
6	Altium Nanoboard	5
7	Embedded System Trainers	10
8	Network Analyser	15
9	Components and accessories for VLSI Lab	5
10	Basic Robotics Trainer Kits	10
11.	Sensors for Robotics design	5
12	Swarm Intelligence based Robotics	20
13	DSP Trainer Kits	10
14	Software Defined Radio Trainers	20
	Civil Works	

Sl.No	Software	Amount in Lakhs
15	Construction of lab for PG with a total plinth area of 240 sq.m Cost Estimate @Rs.20,000/- per sq.m.	48
Total	15	150

July 2017 to June 2018

Advanced Robotics Laboratory

Sl.No	Equipments	Amount in Lakhs
1	Robot Parts : Cables, Wires & Connectors, Communication & Control, Data Storage, Electronic Components, Interface Adapters & Converters, LCD & Display, Lighting, Mechanics, Microcontrollers, Microcontroller Accessories, Motor Controllers, Motors & Actuators, Power Systems, Relay & LED Controllers, RFID, Robot Construction Kit Parts, Robot Sensors, Single Board Computers etc	30
2	Robots & Kits: Robot Construction Kits, Robotic Arms & Grippers, Electronic Experimentation, Alternative Energy & BEAM, Sport Robot Kits	20
4	Humanoid and Biped Robots	10
5	Hexapod Robots	10
6	Quadruped Robots	10
7	Robotics based Wireless Sensor Networks	25
8	RFID system	5
	Civil Works	
9	Construction of R&D Lab with a total plinth area of 230 sq.m Cost Estimate @Rs.20,000/- per sq.m.	46
Total	07	156

July 2018 to June 2019

Testing and Calibrating Centre

Sl.No	Software	Amount in Lakhs
1	Multifunction Calibration System : To calibrate digital and analogue multi meters, frequency meters, ohm meters, AC/DC milli voltmeters, decade boxes, thermocouple indicators and sensors, clamp meters, oscilloscopes, timer counters, RTDs and much more. Accompanying instruments and adaptors can be added for power supplies, pressure devices, and more. For Calibration of all in house equipment and calibrating Industry equipments (IRG):	30
2	Software - Manage, Automate and Optimise the Calibration Process (Similar to MET/CAL Plus Version 7).	10
3	Temperature calibrators with Temperature measurement and Temperature sensors	10
4	Pressure calibrators	10
5	Signal calibrators	10
6	Accessories such as Reference sensors, calibration software	5

Sl.No	Software	Amount in Lakhs
7	1GHz DSO	10
8	Logic Analyser	5
9	Instrumentation Trainers	10
	Total	100

June 2019 to July 2010

Advance Communication Lab

Sl.No	Software	Amount in Lakhs
1	Desktop Computers 50 Nos.	25
2	Laptop Computers	10
3	Server	20
4	Optical Communication Trainers	10
5	Cognitive Radio	25
6	Satellite Communication Trainers	10
7	Embedded System based Radio Communication	10
8	3D Printers	15
9	Components and accessories	5
	Total	130

EEE- Procurement

2015-16

Sl.No	Name of the Equipment	Amount in Rs.
1.	Earth Resistance Kit	3,50,000
2.	Power Quality Analyser	8,50,000
3.	Thermal Imager	6,00,000
4.	Portable Scope meter	2,50,000
5.	Power module, BLDC motor(0.5HP) Controller circuit, sensor circuit, display meter, CRO/DSO	1,50,000
6.	SRM motor-0.5 HP, PIC DSP/TMS DSP Processor, speed sensor, Power module, Display meter, DSO	1,50,000
7.	Synchronous generator – 0.5HP, Power module(MOSFET/IGBT), Controller circuit, CRO/DSO, Display meters	1,50,000
8.	Matlab 2015 with all tools	25,00,000
9.	Data acquisition system	2,00,000
10.	Xilinx FPGA Kit	1,00,000
11.	DSP TMS Family kit	2,00,000
12.	Microcontroller based over/under voltage relay (DMT/IDMT) (Numerical)	1,80,000
13.	Multisim, pSpice, ETAP, pSCAD , Motor solver	25,00,000

Sl.No	Name of the Equipment	Amount in Rs.
14.	Solar flat plate collector with accessories	1,00,000
15.	Solar air heaters	50,000
16.	Concentrating solar collector	1,50,000
17.	Shadow & tilt angle estimator	50,000
18.	Energy resource assessment kits	3,00,000
19.	2-Batteries-1000AH	25,000
20.	Solar battery charging characteristics estimator	25,000
TOTAL		89,80,000

2016-17

Sl.No	Name of the Equipment	Amount in Rs.
1	Solid waste calorimeter	75,00,000
2.	Gaseous fuel calorimeter	75,00,000
3.	Gas Chromatograph	18,00,000
4.	Liquid Chromatograph	25,00,000
5.	Solid Chromatograph	30,00,000
6.	Elemental Analyser	35,00,000
7	BOD, DO level estimator	10,00,000
8.	COD level Estimator	10,00,000
9.	Anaerobic System	2,60,000
10	Aerobic System	3,00,000
TOTAL		2,83,60,000

Department of Mechanical

2015-16

Sl.No	Item	Approximate Amount in Rs. lakhs
1	600 W Solar Array Simulator	6.5
2	VI curve tracer	7.5
3	Data acquisition system	2.0
4	1 KW Grid Tied Inverters	1.0
5	Solar Pathfinder Assistant Software, V4	3.0
6	Lab VIEW software	40.0
7	Pyranometer	20.0
8	Ice palnt	15.0
9	Measurement scales (accuracy 0.001gm)	15.0
10	Hot wire anemometer	4.0
11	Thermal Imaging camera	4.0

2016-17

Sl.No	Item	Approximate Amount in Rs. lakhs
1	Optical Engine (CI)	100
2	DAQ for optical Engine	25
3	Biofuel plant	2.0
4	Variable GAS injection Timing kit	9.0
5	3D printing lab setup	60
6	Vibration measuring instruments	25
7	Opt align setup	15
8	Steam turbine setup 2kW	20

YEAR	BUDGET (Tentative) (Lakhs)
July 2017 to June 2018	45
July 2018 to June 2019	20

Department of Science & Humanities

Chemistry – Procurement

SI No	Name of the equipment	Cost
1	Inductively Coupled Plasma Atomic Absorption Spectroscopy (ICP-AAS)	85
2	Environmental Sample Digester	9
3	Freeze Drier	12
4	High Performance Liquid Chromatography (HPLC)	30
	TOTAL	136

Physics – Procurement

2015-16

SI No	Name of the equipment	Quantity	Cost(lakhs)
1	UV-Visible Spectrometer	1	8
2	Manual Pellet press	1	0.5
3	Magnetic stirrer with hot plate	1	0.3
4	White pipet	1	0.2
	TOTAL		9

2016-17

SI No	Name of the equipment	Quantity	Cost(lakhs)
1	FTIR Spectrometer	1	10
	TOTAL		10

2017-18

SI No	Name of the equipment	Quantity	Cost(lakhs)
1	TG-DA thermal Analysis	1	12
	TOTAL		12

2018-19

SI No	Name of the equipment	Quantity	Cost(lakhs)
1	Photoluminescence Spectrometer	1	18
	TOTAL		18

2019-2020

SI No	Name of the equipment	Quantity	Cost(lakhs)
1	Impedance Spectrometer	1	20
2	Desktop XRD	1	40
	TOTAL		60

Civil Work Plan**Detailed List of Procurement - CSE**

Month/Year	Equipment/Software	Budget(Lakhs)
Jan-17	Civil Works: Cloud computing Lab+ restroom+facultyroom : 26,67,000 133.35 sq.m	146.67
April-17	Procurement : Cloud Computing Lab a. UPS : 2 lakhs (1) b. Air conditioners: 3 lakhs (9) c. Furniture: 8 lakhs (25) d. Printer: 1 lakhs(1) e. Projector and its accessories: Rs.50,000(1) f. Other accessories for networking: 2 lakhs (1 set): Total: 16.5 lakhs	16.5
Jan-18	Civil Works : Basic Automation Lab (86.4 sq m)	17.28
April-18	Procurement : Basic Automation Lab a. UPS for Trainer kits : 2 lakhs (1) b. Air conditioners: 3 lakhs (9) c. Furniture: 8 lakhs (25) d. Projector and its accessories: Rs.50,000(1) Total: 13.5 lakhs	13.5
Jan-19	Civil Works : Communication Technologies Lab (178.2)	35.64
April-19	Procurement : Communication Technologies Lab a. UPS for Trainers: 2 lakhs (1) b. Air conditioners: 3 lakhs (9) c. Furniture: 8 lakhs (25) d. Printer: 1 lakhs (1) e. Projector and its accessories: Rs.50000(1) f. Other accessories for networking: 2 lakhs : (1 set) Total: 16.5 lakhs	16.54
Jan-20	Civil Works : Visual Cryptology Lab (178.2)	35.64

Detailed List of Procurement – EEE

Year	Details of Requirements	Total Area in sq.m and Rate/sq.m	Amount in Lakhs
2015-2016	Extension of Lab for 2 PG Courses	207.17 sq.m Rs.20,000	41.43
2016-2017	<u>2 PG courses</u> Class room – 4 Tutorial Hall – 2 Seminar Hall – 2	1200 sq.m Rs.20,000	240
TOTAL			281.43

Detailed List of Procurement – ECE

YEAR	Details of Requirements	Budget (lakhs)
2015-2016	<u>Construction of Class Rooms for PG (2015-16):</u> Two Class rooms each of 70 sq.m with a total plinth area of 230 sq.m. Cost Estimate @Rs.20,000/- per sq.m. : Rs. 46 lakhs	46
2016-2017	<u>Construction of Lab for PG (2016-17):</u> Construction of lab for PG with a total plinth area of 240 sq.m Cost Estimate @Rs.20,000/- per sq.m. : Rs. 48 lakhs	48
2017-2018	<u>Construction of R&D Lab (2017-18):</u> Construction of R&D Lab with a total plinth area of 230 sq.m Cost Estimate @Rs.20,000/- per sq.m. : Rs. 46 lakhs	46
	TOTAL	140

Detailed List of Procurement – Mech

YEAR	Details of Requirements	Budget(lakhs)
2015-2016	Construction of Class Rooms for PG (2015-16):	30
2016-2017	Construction of Lab for PG (2016-17):	11.75
2017-2018	Construction of R&D Lab (2017-18):	11.75
2018-2019	Construction of EDC Cell (2018-19):	11.75
2019-2020	Construction of Incubation Centre (2019-20):	11.75
	TOTAL	77

Department of Chemistry

Detailed List of civil works:

Month/Year	Civil Works	Budget (Lakhs)
June-15	Lecture halls- 2 nos; Seminar Hall -1	56.40

2. PhD ASSISTANTSHIP

M.E / PhD ASSISTANTSHIP-

**Detailed List of Assistantships (M.E.): M.E from 2015-16(AY)
Rs.12,000/student/month**

**It is planned to admit 18 students per branch per year all
the four branches**

Sl. No	Item	Month & Year	Approximate Cost in Rs.Lakhs
1	P.G assistantship for 18 students Per Branch	July 2016-Dec 2016	103.68
3	Research Associate (Full time Ph.D)	June 2015-Dec 2016	2.25
TOTAL			105.93

PhD ASSISTANTSHIP-ECE

Sl.No	Academic Year	No of faculty getting Ph.D Assistantship	Amount in Lakhs
1	2016-17	04	0.4
2	2017-18	03	0.3
3	2018-19	02	0.2
4	2019-20	01	0.1
Total		15	1

PDF ASSISTANTSHIP-EEE

SI.No	Academic Year	No of faculty getting Ph.D Assistantship	Amount in Lakhs
1	2016-17	4	2.0
2	2017-18	2	1.0
3	2018-19	3	1.5
4	2019-20	4	2.0
Total			6.50

Physics

Year	No. of Faculty Getting Assistantship	Amount in Rs.
2016-17	R. Bakkiyaraj/ Asst. Professor	0.20
2017-18	R. Bakkiyaraj/ Asst. Professor	0.20
2018-19	R. Bakkiyaraj/ Asst. Professor	0.20
2019-20	R. Bakkiyaraj/ Asst. Professor	0.20
		0.80

3. Action Plan R&D

CSE

One National conference is to be conducted in the month of Oct every year

5 Students projects for the year 2015 and 5 more for 2016

Patents : 3 from 2016

Seed grants for Students - minimum 2 per semester

Research publications in engineering in refereed journals -6 per semester

Month/Year	Activity	Budget(Lakhs)
July-17	Research projects taken by UG /PG students -2	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
	Patent of a product /Technology - 1	1
October-17	Organising conferences on R&D topics -1	3
	Patenting of technologies	1
December-17	Research projects taken by UG /PG students -3	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
July -18	Research projects taken by UG /PG students -3	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3

Month/Year	Activity	Budget(Lakhs)
October-18	Organising conferences on R&D topics -1	3
	Patenting of technologies	1
December-18	Research projects taken by UG /PG students -3	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
July-19	Research projects taken by UG /PG students -2	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
	Patent of a product /Technology - 1	1
October-19	Organising conferences on R&D topics -2	13
	Patenting of technologies	1
December-19	Research projects taken by UG /PG students -3	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
July -20	Research projects taken by UG /PG students -3	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
October-20	Organising conferences on R&D topics -1	3
	Patenting of technologies	1
December-20	Research projects taken by UG /PG students -3	2
	Seed grants for research by faculty- 2	2
	Research publications in engineering in refereed journals -6	3
	Total	84 Lakhs

RESEARCH & DEVELOPMENT - ECE

Academic Year	Conference	Amount in Lakhs
2015-16	National Conference	2
2016-17	International Conference	5
2017-18	-	-
2018-19	National Conference	2
2019-20	-	-
	Total	9

RESEARCH & DEVELOPMENT - EEE

Year	Sl.No.	Activities	Cost to be Involved in Rs.
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2015-2016	1.	Consultancy on Energy Auditing, Earth Resistance measurements and Harmonics measurements.	50,000 (For Transport)
2016-2017	1.	Initiating the project on Microgrid inside the campus.	30,00,000
2017-2018	1.	Consultancy on Energy Auditing, Earth Resistance measurements and Harmonics measurements	50,000 (For Transport)
2018-2019	1.	Field training for students & non teaching staff	4,00,000
	2.	Solar module design	2,50,000
	3.	Designing of PV inverter	2,00,000
	4.	Consultancy off grid solar pump	3,00,000
	5.	Patent Registration Fees	3,00,000
2019-2020	1.	Training Industry personnel in SPV design and maintenance	5,00,000
	2.	Consultancy on remote village solar electrification & solar agriculture pumping	10,00,000
	3.	Patents on solar lighting and pumping design products	5,00,000

RESEARCH & DEVELOPMENT - Mech

Year	Activities	Cost to be Involved in Rs.
2015-2016	Setting up Thermal Storage System Using Solar Energy in Small Scale (5kg) FDB (Fluidized Bed Dryer)	38
2016-2017	Oberving Drying behavior of select seeds, fruits and vegetables	12.21
2017-2018	Comparison of Various solar dryer	12.21
2018-19	UG Seed Projects will be identified and potential projects will be taken up for patent	12.21
2019-20	R& D Conferences are proposed to be conducted	12.21
TOTAL		86.84

4. Faculty Development CSE

2015-16

SI.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on Big Data Analytics	2,00,000
2.	One week Faculty Development program on Cryptography	2,00,000
3.	Faculty Development programme on “Publishing papers in top Journals”	50,000
4	Participation in outstation conference/workshops	3,00,000
TOTAL		7,50,000

2016-17

SI.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on Virtualization	2,00,000
2.	One week Faculty Development program on Wireless Sensor Networks	2,00,000
3.	Faculty Development programme on “ Web Portal Development”	50,000
4	Participation in outstation conference/workshops	3,00,000
TOTAL		7,50,000

2017-18

SI.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on Virtualization	2,00,000
2.	One week Faculty Development program on Android Application Development	2,00,000
3.	Faculty Development programme on “Networking for the future”	50,000
4	Participation in outstation conference/workshops	3,00,000
TOTAL		7,50,000

2018-19

SI.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on Cyber Disease-Ethical Hacking and Cyber Security	2,00,000
2.	One week Faculty Development program on Remote Infrastructure Management Services	2,00,000
3.	Faculty Development programme on “ Interpersonal Skills ”	50,000
4	Participation in outstation conference/workshops	3,00,000
TOTAL		7,50,000

2019-2020

SI.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on “Contemporary Issues in Research “	2,00,000
2.	One week Faculty Development program on “Research issues in Image Processing “	2,00,000
3.	Faculty Development programme on “ Stress Management ”	50,000
4	Participation in outstation conference/workshops	3,00,000
TOTAL		7,50,000

Faculty Development – ECE

July 2015 to Dec 2015

S.No.	FDP	Coordinators	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
1.	Optical Communication	Dr.G.Suchitra	Nov '15	2.0
2.	Wireless Sensor Networks	Dr.V.Thirunavukkarasu	Dec '15	2.0
3.	FPGA Programming and Applications Development	Dr.M.Chandrasekaran	Dec '15	2.0
4.	MATLAB Programming	M.Kavitha	May '16	2.0
5.	Networking Resources like Printers, Scanners, Cameras etc	Dr.M.Chandrasekaran	June '16	2.0
6.	Wireless Networks	Dr.V.Thirunavukkarasu	Nov '16	2.0

S.No.	FDP	Coordinators	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
7.	VLSI design using Cadance	M.Kavitha	Dec '16	2.0
8.	Training on Xilinx ISE & Modelsim simulator with Spartan –III FPGA	M.Arulkumar	May '17	2.0
9.	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dr.G.Suchitra	June '17	2.0
10.	Embedded System Design	Dr.M.Chandrasekaran	Nov '17	2.0
11.	Designing Micro robots	Mr.K.Manogaran	Dec '17	2.0
12.	Construction of Robots	K.Manogaran	May '18	2.0
13.	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dr.G.Suchitra	June '18	2.0
14.	ROBOT	Dr.V.Thirunavukkarasu	June '18	2.0
15.	Hexapod Robot	Dr.M.Chandrasekaran	Nov '18	2.0
16.	Quadrapod robot	Mr.K.Manogaran	Dec '18	2.0
17.	Calibaration of Test Equipment such as DMM, DSO etc.	Mrs.P.E.Irin Dorathy	May '19	2.0
18.	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dr.G.Suchitra	June '19	2.0
19.	Robot based applications	Dr.V.Thirunavukkarasu	June '19	2.0
20.	Calibration Techniques	Mrs.P.E.Irin Dorathy	Nov '19	2.0
21.	ADvancedVLSI Design Techniques using Software Tools	Dr.G.Suchitra Mr.K.Manogaran	Dec '19	2.0
22.	Calibaration of temperature, pressure sensors etc	Mrs.P.E.Irin Dorathy	May '20	2.0
23.	Advance VLSI Design Techniques	M. Elangovan	June '20	2.0
24.	Robot Design and assembling	Dr.V.Thirunavukkarasu	June '20	2.0
	Total			48

Faculty Development Program -Programs to be attended outside

S.No.	Subject Domain	Faculty Attending the Program	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
1.	Advanced Communication Systems	P.E. Irin Dorothy M.Arulkumar G.Suchitra	Nov 2015	6.0
2.	VLSI design using Cadance	M.Kavitha K.Manogaran	Dec 2015	4.0
3	Training on Xilinx ISE & Modelsim simulator with Spartan –III FPGA	M.Arulkumar	May 2016	2.0
4	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dr.G.Suchitra	June 2016	2.0
5	Construction of Robots and Micro Robots	K.Manogaran	May 2017	2.0
6	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dr.G.Suchitra	May 2017	2.0
7	Robots	Dr.V.Thirunavukkarasu	June 2017	2.0
8	Calibration of Test Equipment such as DMM, DSO etc.	Mrs.P.E.Irin Dorathy	May 2018	2.0
9	Tanner EDA tools for analog and mixed-signal ICs and MEMS design	Dr.G.Suchitra	June 2018	2.0
10	Advanced VLSI Design Techniques using Software Tools	Dr.G.Suchitra Mr.K.Manogaran	Dec 2018	4.0
11	Calibration of temperature, pressure sensors etc	Mrs.P.E.Irin Dorathy	May 2019	2.0
12	Advance VLSI Design Techniques	M. Elangovan	June 2019	2.0
13	Robot Design and assembling	Dr.V.Thirunavukkarasu	June 2019	2.0
14	Calibration of Test Equipment such as DMM, DSO etc.	Mrs.P.E.Irin Dorathy M.Elangovan	Dec 2019	4.0

Faculty Development – EEE

2015-16

Sl.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on Energy conservation and Energy Auditing	2,00,000
2.	One week Faculty Development program on Power Quality Issues and Improvement	2,00,000
3.	Faculty Development programme on “Advanced Application of Power Electronics and Drives”	2,00,000

SI.No	Title of the Programme	Amount in Rs.
4.	Design of online UPS	2,00,000
5.	Use of Softwares for implementing Smart grid	2,00,000
6.	Challenges and opportunity in renewable energy integration	2,00,000
7.	Participation in outstation conference/workshops	3,00,000
8.	FDP on Stress management and improved performance	2,00,000
TOTAL		17,00,000

2016-17

SI.No	Title of the Programme	Amount in Rs.
1.	One week Faculty Development program on Embedded Controller for Electrical Drives	2,00,000
2.	One week Faculty Development program on Recent Trends in HVDC & FACTS	2,00,000
3.	Smart Grids and Smart Metering Technology	2,00,000
4.	Solar Software Design	1,50,000
5.	Field Work Measurement Training	1,50,000
6.	Solar Cell Fabrication & Design in Germany	15,00,000
7.	Power Quality Analysis on Grid Integrated Renewable Energy	2,50,000
8.	Participation in outstation Conference/ Workshops	3,00,000
9.	FDP on Stress Management and Improved Performance	2,00,000
TOTAL		31,50,000

2017-18

SI.No	Title of the Programme	Amount in Rs.
1.	PV based Solar Pump Design ,installation and maintenance	3,50,000
2.	Application of controllers to mitigate power quality problems	2,50,000
3.	Digital Controllers for Special Machine Drives	2,50,000
4.	Industrial Automation Using PLC	2,50,000
5.	Research Challenges in Automated Substation –SCADA & Relay co-ordination	2,00,000

SI.No	Title of the Programme	Amount in Rs.
6.	Participation in outstation Conference/ Workshops	3,00,000
7.	FDP on Stress Management and Improved Performance	2,00,000
TOTAL		18,00,000

2018-19

SI.No	Title of the Programme	Amount in Rs.
1.	FDP on Energy Auditing, Earth Resistance Measurements and Harmonics Measurements	2,00,000
2.	Smart Grid Phasor Measurement using LabVIEW and Micro Grid Design	2,00,000
3.	Micro Grid: An Emerging Technology to Enhance Power System Reliability	2,00,000
4.	Real Time Application using LabVIEW	2,00,000
5.	Power Quality in Smart Grid	2,00,000
6.	Participation in outstation Conference/ Workshops	3,00,000
7.	FDP on Stress Management and Improved Performance	2,00,000
TOTAL		15,00,000

Faculty Development – Mech

SI No	Title	Month	Budget
1	Rcent advances in Optimization Techniques	May - Dec 2015	2
2	Workshop on Research Methodolgy		1.5
3	Rcent advances in IC Engine Research	Jan-May 2016	2
4	Rcent advances in Alternative Fuels		2
5	Team Building& Professional Ethics	June-Dec 2016	0.75
6	Research oppertunities in CAD/CAM/CAE		2
7	Workshop on statistical tools for researchsers	Jan-May 2017	0.7
8	Workshop on Taguchi techniques		0.7
9	FDP on Processing and Applications of Green Composites	June-Dec 2017	2
10	Workshop on NDT	Jan-May 2017	1.4
11	Workshop on alternative refregirants		0.7
12	Bio based fuels as an alternative		1.4
13	Modelling and Simulation in Mechancial Engineering	June-Dec 2017	2
14	FDP on Macro, Meso/ Micro Manufactring and Nano metrology	Jan-May 2018	2
15	Residual Measurement Techniqes		1.4
16	Workshop on Engine Electronics		1.4
17	Emission control & EURO norms		1.4

18	FDP on Computational Fluid Dynamics	June-Dec 2018	2
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Faculty Development – Physics

S.No.	Title of the training programme	Duration	Tentative month	Name of the Coordinator	Approx. Budget (in lakhs)
1	Recent Research Advances in Nanoscience and Technology	7 Days	July 2015	R. Bakkiyaraj	2.5
2	Recent trends in Advanced materials and its Engineering Applications	7 Days	July 2016	R. Bakkiyaraj	2.5
3	Recent Research Advances in Nanoscience and Technology	7 Days	July 2017	R. Bakkiyaraj	2.5
4	Recent trends in Advanced materials and its Engineering Applications	7 Days	July 2018	R. Bakkiyaraj	2.5
5	Recent Research Advances in Nanoscience and Technology	7 Days	July 2019	R. Bakkiyaraj	2.5
TOTAL (in lakhs)					12.5

FDP –Chemistry

S.No	Title of the training programme	Duration	year	Name of the Coordinator	Approx. Budget (in lakhs)
1	Recent trends in Analytical Techniques	7 Days	2015-2016	Dr.Saraswathy	2
2	Environmental chemistry	7 Days	2015-2016	Dr.Saraswathy	2
TOTAL (in lakhs)					4

Staff Development Programme

CSE

Year	Title of the Programme	Amount in Rs.
2015-16	Computer Basics and DTP	150000
2015-16	Stress Management	150000
2015-16	Outside Participation by Staff	20000
2016-17	PC Hardware maintenance and Trouble shooting	150000
2016-17	Communication Skills	150000
2016-17	Outside Participation by Staff	20000
2017-18	Contemporary technical skills	150000
2017-18	Work Life Balance	150000

Year	Title of the Programme	Amount in Rs.
2017-18	Outside Participation by Staff	20000
2018-19	Paperless Office	150000
2018-19	Motivational Workshop	150000
2018-19	Outside Participation by Staff	20000
2019-2020	Environmental awareness	150000
2019-2020	Healthy living through Yoga	150000
2019-2020	Outside Participation by Staff	20000
TOTAL		1600000

ECE

S.No.	SDP	Coordinators	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
1	Using Test and Measuring Equipment	Mrs.Kavitha	Dec 2015	1.4
2	SMD Soldering Practice	Dr.G.Suchitra	May 2017	1.4
3	Computer Networks	Dr.M.Chandrasekaran	Dec 2017	1.4
4	Training on Robots	Dr.V.Thirunavukkarasu	May 2018	1.4
5	Calibration of DMMs	P.E. Irin Dorothy	Dec 2018	1.4
6.	Personality Development	M.Elangovan	May 2019	1.4
7.	Calibration of DSO	M.Arulkumar	Dec 2019	1.4
8.	FPGA Applications	M.Manogaran	May 2020	1.4
Total	09			11.2

EEE

SI.No	Title of the Programme	Amount in Rs.
2015-16	PCB fabrication	100000
2015-16	Three Day Staff Development Program on Applications of Power Quality Analyser and power quality measurements	150000
2015-16	Three Day Staff Development Program on Earthing practices in Electrical Installations	150000
2015-16	Repairing of Electrical Appliances	100000
2015-16	Generator Maintenance and Diagnostics	100000
2015-16	Three Day Staff Development Program on Programming Techniques in Micro Processor & Micro Controller	150000
2016-17	Three Day Staff Development Program on Servicing of Electrical Apparatus	150000
2016-17	Electrical Wiring	150000
2016-17	Internet and LAN Maintenance	150000
2016-17	Stress Management and Personality Development	150000
2016-17	PCB Design using ORCAD Tool	150000

SI.No	Title of the Programme	Amount in Rs.
2016-17	Testing and Calibration of Electrical Equipments	150000
2017-18	Graphical Programming using Labview	150000
2017-18	Design and Maintenance of Solar Power Plant	150000
2017-18	Industrial Automation Using PLC	150000
2017-18	Numerical Relays & Circuit Breakers	150000
2017-18	Present & Future Research trends in Electronics and Instrumentation Engineering	150000
2017-18	How to use various Simulation Softwares	150000
2018-19	Hands on training Program on machine Design using MATLAB	150000
2018-19	Design and Fabrication of Printed Circuit Board (PCB)	150000
2018-19	Maintenance of Diesel Generator Set	150000
2018-19	Communication Skill Development	150000
2018-19	Project Co-ordination & Stress Management	150000
2018-19	Transformer, Motor and Generator Winding Practices	150000
2019-20	Energy Auditing	150000
2019-20	The 8051 Microcontroller and Embedded Systems Using C	150000
2019-20	E-learning	150000
2019-20	Vibrations in Rotating Machines	150000
2019-20	Electrical Protection and Safety Measurements	150000
TOTAL		4200000

Mech

SI No	SDP Title	Month	Budget
1	Workshop on Measurements & Calibration	May - Dec 2015	0.7
2	Workshop on Automation		0.7
3	Industrial Pneumatics	Jan-May 2016	0.7
4	Manufacturing Systems	June-Dec 2016	0.7
5	Training on Special Purpose Machines		1.4
6	Testing & Consultancy using SM lab equipments	Jan-May 2017	1.4
7	Advanced welding technologies	Jan-May 2017	1.4

Chemistry

SI No	SDP Title	Month	Budget
1	Safety Measurements and first aid in laboratory	Nov'15	1
2	Communication Skill Development	Nov' 16	1
Total			2

Students Training Programme

12th BOG Minutes of meeting conducted on 20th March 2015

CSE

SI.No	Title of the Programme	Amount in Rs.
2015-16	Spoken Communication	140000
2015-16	Written communication	140000
2015-16	Red Hat Linux Administration	140000
2015-16	Web Development	140000
2015-16	Communication and Personality Development	140000
2015-16	Fast Mathematics	140000
2015-16	Time Management	140000
2015-16	Problem Solving Skills	140000
2015-16	Preparing for GRE	140000
2015-16	Training on how to develop skills in students that are valued by employers	140000
2015-16	Simple German	140000
2015-16	Critical Thinking	140000
2016-17	Grammar Confidence	140000
2016-17	Advanced Java	140000
2016-17	Networking Skills	140000
2016-17	C Skill Set	140000
2016-17	Android Application Development	140000
2016-17	Developing Data Structures	140000
2017-18	Demystifying Research Papers	140000
2017-18	Content Development and Management	140000
2017-18	Youth Motivation	140000
2018-19	Code for Good	140000
2018-19	Leadership Qualities	140000
2018-19	Opportunities in Information Security	140000
2019-20	Demystifying Research Papers	140000
2019-20	Applications of Finite Automata.	140000
2019-20	Simple Chinese	140000
2020-21	Learn French	140000
2020-21	Standards in Information security	140000
Total		4060000

Students Training Programme- ECE

S.No	Student Training Programme	Coordinators	Month	Target Audien	Budget in Lakhs
1.	DSP Architectures	Mr.M.Arul Kumar	Oct 16	III Yr	1
2.	Training for GATE	Mr.M.Elangovan		IV Yr	1
3.	Embedded System and Robotics	Dr.M.Chandrasekaran	Nov 16	II Yr	1
4.	Test and Measuring Equipment Calibaration standards	Mrs.Kavitha		III Yr	1
5.	Micro Robots	Mr.K.Manogaran		IV Yr	1
6.	Circuit design	Mr.M Arul Kumar	Dec 16	II	1
7.	Digital signal processing	Dr.V.Thirunavukkarasu		III	0.75
8.	Microwave communication	Mr.M.Elangovan		IV	0.75
9.	PCB Design Soldering Practice	Dr.V.Thirunavukkarasu	Jan 17	II yr	1.5
10.	Robotics	Mr.K.Manogaran		III yr	3.0
11.	Image Processing & Matlab Simulation	Mr.M.Arul Kumar		IV	1.5
12.	PSpice Simulation	Dr.G.Suchitra	Feb 17	II yr	1.5
13.	Embedded System Design	Dr.V.Thirunavukkarasu		III yr	3.0
14.	Puzzle solver Robot	Mr.K.Manogaran		IV	1.5
15.	RF design	Mrs.G.Suchitra	Mar 17	III	1.5
16.	Computer Network Simulation	Dr.M.Chandrasekaran		IV Yr	1.5
17.	C & C++ Programming	Mr.M.Arul Kumar	July 17	II	3.0
18.	Test and Measuring Equipment Calibaration standards	Mrs.Kavitha		III Yr	1.5
19.	PCB Design Soldering Practice	Mrs.P.E.Irin Dorathy		III	1.5
20.	VLSI Design using Cadence	Mr.M.Arul Kumar	Aug 17	IV yr	3.0
21.	Hands on Training on Agilent Equipment	Mrs.G.Suchitra		II Yr	1.5
22.	Electronic Circuit Design using OrCAD / OsCAD	Mr.M.Arul Kumar		III Yr	1.5
23.	MATLAB and Xilinx programming	Mrs.P.E.Irin Dorathy	Sept 17	IV Yr	1.5
24.	C and C++	Mr.M.Arul Kumar		II Yr	2.0

S.No	Student Training Programme	Coordinators	Month	Target Audien	Budget in Lakhs
	Programming				
25.	MATLAB programming	Dr.V.Thirunavukkarasu		III Yr	1.5
26.	DSP Architectures	Mr.M.Arul Kumar	Oct 17	III Yr	1
27.	Training for GATE	Mrs.P.E.Irin Dorathy		IV Yr	1
28.	Embedded System and Robotics	Dr.M.Chandrasekaran	Nov 17	II Yr	1
29.	Puzzle solver Robot	Mr.K.Manogaran		III Yr	1
30.	RF Circuit Design	Dr.G.Suchitra		IV Yr	1
31.	Integrated circuit design	Mr.Elangovan	Dec 17	II	1
32.	Electronic system design	Mrs.P.E.Irin Dorathy		III	0.75
33.	Radio and TV broadcasting	Mrs.K.Kavitha		IV yr	0.75
34.	PCB Design Soldering Practice	Dr.V.Thirunavukkarasu	Jan 18	II yr	1.5
35.	Robotics	Mr.K.Manogaran		III yr	3.0
36.	Image Processing & Matlab Simulation	Mr.M.Arul Kumar		IV	1.5
37.	PSpice Simulation	Dr.G.Suchitra	Feb 18	II yr	1.5
38.	Embedded System Design	Dr.V.Thirunavukkarasu		III yr	3.0
39.	Test and Measuring Equipment Calibaration standards	Mrs.K.Kavitha		IV	1.5
40.	RF design	Mrs.G.Suchitra	Mar 18	III	1.5
41.	Computer Network Simulation	Dr.M.Chandrasekaran		IV Yr	1.5
42.	C & C++ Programming	Mr.M.Arul Kumar	July 18	II	3.0
43.	Computer Network Simulation	Mr.K.Manogaran		III Yr	1.5
44.	PCB Design Soldering Practice	Mrs.P.E.Irin Dorathy		III	1.5
45.	Innovative Project Design	Mrs.Kavitha	Aug 18	IV yr	3.0
46.	Soldering Practice	Mrs.G.Suchitra		II Yr	1.5
47.	Electronic Circuit Design using OrCAD / OsCAD	Mr.M.Arul Kumar		III Yr	1.5
48.	MATLAB and Xilinx programming	Mrs.P.E.Irin Dorathy	Sept 18	IV Yr	1.5
49.	C and C++ Programming	Mr.M.Arul Kumar		II Yr	2.0
50.	MATLAB programming	Dr.V.Thirunavukkarasu		III Yr	1.5

S.No	Student Training Programme	Coordinators	Month	Target Audien	Budget in Lakhs
51.	DSP Architectures	Mr.M.Arul Kumar	Oct 18	III Yr	1
52.	Training for GATE	Mrs.P.E.Irin Dorathy		IV Yr	1
53.	Embedded System and Robotics	Dr.V.Thirunavukkarasu	Nov 18	II Yr	1
54.	VLSI Design using Cadence	Mr.M.Arul Kumar		III Yr	1
55.	RF Circuit Design	Dr.G.Suchitra		IV Yr	1
56.	Integrated circuit design	Mr.Elangovan	Dec 18	II	1
57.	Electronic system design	Mrs.P.E.Irin Dorathy		III	0.75
58.	Radio and TV broadcasting	Mrs.K.Kavitha		IV yr	0.75
59.	PCB Design Soldering Practice	Dr.V.Thirunavukkarasu	Jan 19	II yr	1.5
60.	Robotics	Mr.K.Manogaran		III yr	3.0
61.	Image Processing & Matlab Simulation	Mr.M.Arul Kumar		IV	1.5
62.	PSpice Simulation	Dr.G.Suchitra	Feb 19	II yr	1.5
63.	Embedded System Design	Dr.V.Thirunavukkarasu		III yr	3.0
64.	Micro Robots	Mr.K.Manogaran		IV	1.5
65.	RF design	Mrs.G.Suchitra	Mar 19	III	1.5
66.	Computer Network Simulation	Dr.V.Thirunavukkarasu		IV Yr	1.5
67.	C & C++ Programming	Mr.M.Arul Kumar	July 19	II	3.0
68.	Computer Network Simulation	Mr.K.Manogaran		III Yr	1.5
69.	Puzzle solver Robot	Dr.G.Suchitra		III	1.5
70.	PCB Design Soldering Practice	Mr.M.Elangovan	Aug 19	IV yr	3.0
71.	Hands on Training on Agilent Equipment	Mrs.G.Suchitra		II Yr	1.5
72.	Electronic Circuit Design using OrCAD / OsCAD	Mr.M.Arul Kumar		III Yr	1.5
73.	MATLAB and Xilinx programming	Mrs.P.E.Irin Dorathy	Sept 19	IV Yr	1.5
74.	C and C++ Programming	Mr.M.Arul Kumar		II Yr	2.0
75.	MATLAB programming	Dr.V.Thirunavukkarasu		III Yr	1.5
76.	DSP Architectures	Mr.M.Arul Kumar	Oct 19	III Yr	1
77.	Training for GATE	Mrs.P.E.Irin Dorathy		IV Yr	1

S.No	Student Training Programme	Coordinators	Month	Target Audien	Budget in Lakhs
78.	Embedded System and Robotics	Dr.V.Thirunavukkarasu	Nov 19	II Yr	1
79.	VLSI Design using Cadence	Mr.M.Arul Kumar		III Yr	1
80.	RF Circuit Design	Dr.G.Suchitra		IV Yr	1
81.	Integrated circuit design	Mr.Elangovan	Dec 19	II	1
82.	Electronic system design	Mrs.P.E.Irin Dorathy		III	0.75
83.	Radio and TV broadcasting	Mrs.K.Kavitha		IV yr	0.75
84.	PCB Design Soldering Practice	Dr.V.Thirunavukkarasu	Jan 20	II yr	1.5
85.	Robotics	Mr.K.Manogaran		III yr	3.0
86.	Image Processing & Matlab Simulation	Mr.M.Arul Kumar		IV	1.5
87.	P Spice Simulation	Dr.G.Suchitra	Feb 20	II yr	1.5
88.	Embedded System Design	Dr.V.Thirunavukkarasu		III yr	3.0
89.	VLSI Design using Tanner	Mr.M.Arul Kumar		IV	1.5
90.	Testing and Calibration of Equipment	Mrs.G.Suchitra	Mar 20	III	1.5
91.	Computer Network Simulation	Dr.V.Thirunavukkarasu		IV Yr	1.5

Students Training Programme- EEE

Year	Title of the Programme	Amount in Rs.
2015-16	How to Write Project Report and Documentations	140000
2015-16	PCB fabrication	140000
2015-16	Preparing for Placement Activities	140000
2015-16	Communication Skills and Personality Development	140000
2015-16	Design and Fabrication of Electronic Circuits	140000
2015-16	Design and Fabrication of Power Electronic Circuits	140000
2015-16	FPGA Based Embedded Systems	140000
2015-16	PCB fabrication	140000
2016-17	Hands On Training Program "Software related to Renewable Energy"	140000
2016-17	Students Program on Control Systems	140000
2016-17	The 8051 Microcontroller and Embedded Systems Using C	140000

Year	Title of the Programme	Amount in Rs.
2016-17	Matlab Fundamentals of Programming and SIMULINK Concepts	140000
2016-17	Testing And Calibration of Electrical Equipments	140000
2016-17	Students Program on analog and Digital Electronics	140000
2016-17	Embedded Application Development using LABVIEW	140000
2016-17	Students Program on Analog and Digital Electronics	140000
2017-18	Novel Ideas to Develop Innovative Projects and Methodology Paper - Writing Skills.	140000
2017-18	Design And Fabrication Of Power Electronics Circuits	140000
2017-18	Students Program On Electrical Machines	140000
2017-18	Optimization Techniques Using Matlab	140000
2017-18	Training Program on Analytical Instrumentation	140000
2017-18	Students Program on Electric Circuits And Fields.	140000
2017-18	Students Program on Power System Protection	140000
2017-18	Design and Realization of Various Controllers in Matlab Environment	140000
2018-19	Sensors for Electrical Applications	140000
2018-19	Testing And Fabrication Of Electronic Devices And Circuits	140000
2018-19	Industrial Automation Using PLC	140000
2018-19	Students Program On Power Analysis and Stability	140000
2018-19	Students Program on Electric Circuit Theory (GATE coaching)	140000
2018-19	Students Program On Electrical Machines	140000
2018-19	Simulation & Analysis of Electronic Circuits using MULTISIM	140000
2018-19	Students Program on Electro Magnetic Theory (GATE coaching)	140000
2019-20	Students Program on 8085 Micro Processors	140000
2019-20	Assembling and Testing of Electronic Circuits	140000
2019-20	DSP Programming and Its Applications	140000
2019-20	Design And Fabrication of Printed Circuit Board	140000
2019-20	PCB Design using ORCAD Tool	140000
2019-20	Students Program on Power Electronics And Drives	140000
2019-20	Students Program on Signals And Systems	140000
2019-20	Micro Controller and Embedded Systems Using C	140000
	Total	560000

Students Training Programme- Mech

Sl.No	Title of the Programme	Month	Amount in Rs.
1.	Intensive Training on Engineering Graphics	May - Dec 2015	3
2.	Advanced Training Programme in CAE (NAFEMS)	Jan-May 2016	3.5
3.	Workshop RC aircraft modelling		1.4
4.	Quality Systems training	June-Dec 2016	1.4
5.	Training on ABAQUS		1.4
6.	Advanced Modelling Techniques using CATIA	Jan-May 2017	1.4
7.	Kinematic Simulation using ADMS		1.4
8.	Communication Skills		1.4
1.	Machining simulation using ABAQUS	June-Dec 2017	1.4
2.	Flow simulation using ABAQUS		1.4
3.	State level project competition		3
4.	Workshop on surface engineering		1.4
5.	Workshop on Entrepreneurship	Jan-May 2017	1.4
6.	Workshop on Nuclear energy		1.4
7.	Training on Renewable energy		1.4
8.	Robotics - Practical Training		1.4
1.	Workshop on Nano materials and applications		1.4

Sl.No	Title of the Programme	Month	Amount in Rs.
2.	Workshop on application of Engineering Mechanics concepts	June-Dec 2017	1.4
3.	Surface Modelling Techniques		1.4
4.	Time& Stress Management	Jan-May 2018	1.4
5.	Non linear analysis of Engineering Materials		1.4
6.	Workshop on Newer and Smart Materials	June-Dec 2018	1.4
7.	Workshop on Noise, Vibration and Horness		1.4
8.	Workshop on DFMA	Jan-19	1.4

Students Training Programme- Chemistry

Year	Title of the training programme	Duration	Approx. Budget (in lakhs)
2015-16	Engg. Materials and its applications	2 Days	1.5
2015-16	Corrosion studies and its control methods	2 Days	1.5
2016-17	Engg. Materials and its applications	2 Days	1.5
2016-17	Corrosion studies and its control methods	2 Days	1.5
2017-18	Engg. Materials and its applications	2 Days	1.5
2017-18	Corrosion studies and its control methods	2 Days	1.5
2018-19	Engg. Materials and its applications	2 Days	1.5
2018-19	Corrosion studies and its control methods	2 Days	1.5
2019-20	Engg. Materials and its applications	2 Days	1.5
2019-20	Corrosion studies and its control methods	2 Days	1.5
	Total		15

Students Training Programme- Physics

Year	Title of the Programme	Targeted participants	No. of Students	Estimated budget (in Lakhs)
2015-16	Basic Fire Safety and First Aid Techniques	First year all branches	210	2.5
2015-16	STP on Patent Registration	First year all branches	210	2.5
2015-16	One Day Orientation Programme for Fresher's.	Newly joined first year students	220	1.5

Year	Title of the Programme	Targeted participants	No. of Students	Estimated budget (in Lakhs)
2016-17	How to make a Engineering Project through a basic sciences?	First year all branches	210	2.5
2016-17	STP on Patent Registration	First year all branches	210	2.5
2016-17	One Day Orientation Programme for Fresher's.	Newly joined first year students	220	1.5
2016-17	Recent Advances in Science and Technologies	First year all studens	220	2.5
2017-18	Student Project Estimation, Design and Testing: Theory and Practices	First year all branches	210	2.5
2017-18	STP on Patent Registration	First year all branches	210	2.5
2017-18	One Orientation Programme	Newly joined first year students	220	1.5
2017-18	Recent Advances in Science and Technologies	First year all studens	220	2.5
2018-19	Student Project Estimation, Design and Testing: Theory and Practices	First year all branches	210	2.5
2018-19	STP on Patent Registration	First year all branches	210	2.5
2018-19	One Day Orientation Programme for Fresher's.	Newly joined first year students	220	1.5
2018-19	Recent Advances in Science and Technologies	First year all studens	220	2.5
2019-20	Student Project Estimation, Design and Testing: Theory and Practices	First year all branches	210	2.5
2019-20	STP on Patent Registration	First year all branches	210	2.5
2019-20	One Orientation Programme	Newly joined first year students	220	1.5
2019-20	Recent Advances in Science and Technologies	First year all studens	220	2.5
	Total			42.5

Students Training Programme- English

Year	Title of the Programme	Targeted participants	No. of Students	Estimated budget (in Lakhs)
2015-16	Basic grammar & Vocabularies	First year all branches	210	2.5
2015-16	How to enhance the vocabulary skills?	First year all branches	210	2.5
2015-16	Good practice of pronunciation skill	Newly joined first year students	220	1.5

Year	Title of the Programme	Targeted participants	No. of Students	Estimated budget (in Lakhs)
2016-17	Verbal – Non verbal Communication	First year all branches	210	2.5
2016-17	Official Language-Speaking Speed and Handling telecalling in IT sectors.	First year all branches	210	2.5
2017-18	Comprehensive Communication	First year all branches	210	2.5
2017-18	Communication skills- Essentials of 21 st Century	First year all branches	210	2.5
2018-19	How to enhance the language skill through video, play way- bilingual method?	III rd year students	210	2.5
2018-19	Comprehensive Communication	II nd & III rd years	210	2.5
2018-19	Communication skills- Essentials of 21 st Century	I st and II nd Years	440	4
2019-20	Comprehensive Communication	First year all branches	210	2.5
2019-20	Communication skills- Essentials of 21 st Century	First year all branches	210	2.5
	Total			30.5

Academic Support – CSE

SI No	Year	Subject Name	Year/Sem	Budget
1	(Jun 2015-Dec 2015)	Analog & Digital Communication	II/3	RS:10,000/-
2	(Jun 2015-Dec 2015)	Programming & Data Structures	II/3	RS:10,000/-
3	(Jun 2015-Dec 2015)	Principles of Communication	III/5	RS:10,000/-
4	(Jun 2015-Dec 2015)	Computer Graphics	III/5	RS:10,000/-
1	(Jan 2016-Jun 2016)	Digital Principles and System Design	2-Jan	Rs: 10,000/-
2	(Jan 2016-Jun 2016)	Design & Analysis of Algorithm	II/4	RS:10,000/-
3	(Jan 2016-Jun 2016)	Microprocessor and microcontroller	II/4	RS:10,000/-
4	(Jan 2016-Jun 2016)	Artificial Intelligence	III/6	RS:10,000/-
5	(Jan 2016-Jun 2016)	Compiler design	III/6	RS:10,000/-
6	(Jan 2016-Jun 2016)	Digital Signal processing	III/6	RS:10,000/-
1	(Jun 2016-Dec 2016)	Analog & Digital Communication	II/3	RS:10,000/-
2	(Jun 2016-Dec 2016)	Programming & Data Structures	II/3	RS:10,000/-

SI No	Year	Subject Name	Year/Sem	Budget
3	(Jun 2016-Dec 2016)	Principles of Communication	III/5	RS:10,000/-
4	(Jun 2016-Dec 2016)	Computer Graphics	III/5	RS:10,000/-
5	(Jun 2016-Dec 2016)	Cryptography & Network Security	IV/7	RS:10,000/-
1	(Jan 2017-Jun 2017)	Digital Principles and System Design	2-Jan	Rs: 10,000/-
2	(Jan 2017-Jun 2017)	Design & Analysis of Algorithm	II/4	RS:10,000/-
3	(Jan 2017-Jun 2017)	Microprocessor and microcontroller	II/4	RS:10,000/-
4	(Jan 2017-Jun 2017)	Artificial Intelligence	III/6	RS:10,000/-
5	(Jan 2017-Jun 2017)	Compiler design	III/6	RS:10,000/-
6	(Jan 2017-Jun 2017)	Digital Signal processing	III/6	RS:10,000/-
1	(Jun 2017-Dec 2017)	Analog & Digital Communication	II/3	RS:10,000/-
2	(Jun 2017-Dec 2017)	Programming & Data Structures	II/3	RS:10,000/-
3	(Jun 2017-Dec 2017)	Principles of Communication	III/5	RS:10,000/-
4	(Jun 2017-Dec 2017)	Computer Graphics	III/5	RS:10,000/-
5	(Jun 2017-Dec 2017)	Cryptography & Network Security	IV/7	RS:10,000/-
1	(Jan 2018-Jun 2018)	Digital Principles and System Design	2-Jan	Rs: 10,000/-
2	(Jan 2018-Jun 2018)	Design & Analysis of Algorithm	II/4	RS:10,000/-
3	(Jan 2018-Jun 2018)	Microprocessor and microcontroller	II/4	RS:10,000/-
4	(Jan 2018-Jun 2018)	Artificial Intelligence	III/6	RS:10,000/-
5	(Jan 2018-Jun 2018)	Compiler design	III/6	RS:10,000/-
6	(Jan 2018-Jun 2018)	Digital Signal processing	III/6	RS:10,000/-
1	(Jun 2018-Dec 2018)	Analog & Digital Communication	II/3	RS:10,000/-
2	(Jun 2018-Dec 2018)	Programming & Data Structures	II/3	RS:10,000/-
3	(Jun 2018-Dec 2018)	Principles of Communication	III/5	RS:10,000/-
4	(Jun 2018-Dec 2018)	Computer Graphics	III/5	RS:10,000/-
5	(Jun 2018-Dec 2018)	Cryptography & Network Security	IV/7	RS:10,000/-
1	(Jan 2019-Jun 2019)	Digital Principles and System Design	2-Jan	Rs: 10,000/-

SI No	Year	Subject Name	Year/Sem	Budget
2	(Jan 2019-Jun 2019)	Design & Analysis of Algorithm	II/4	RS:10,000/-
3	(Jan 2019-Jun 2019)	Microprocessor and microcontroller	II/4	RS:10,000/-
4	(Jan 2019-Jun 2019)	Artificial Intelligence	III/6	RS:10,000/-
5	(Jan 2019-Jun 2019)	Compiler design	III/6	RS:10,000/-
6	(Jan 2019-Jun 2019)	Digital Signal processing	III/6	RS:10,000/-

Department of ECE

Jun 2015-Dec 2015			
Dept	Subject Name	Year/Sem	Budget
ECE	Electronic Circuits-I	II/3	RS:10,000/-
	Object Oriented Programming	II/3	RS:10,000/-
	Signals & Systems	II/3	RS:10,000/-
	Transmission Lines and Waveguides	III/5	RS:10,000/-
	Digital Signal Processing	III/5	RS:10,000/-
(Jan 2016-Jun 2016)			
ECE	Communication Theory	II/4	RS:10,000/-
	Electromagnetic fields	II/4	RS:10,000/-
	Linear Integrated Circuits	II/4	RS:10,000/-
	Control Systems	II/4	RS:10,000/-
	VLSI Design	III/6	RS:10,000/-
	Antenna and Wave Propagation	III/6	RS:10,000/-
Jun 2016-Dec 2016			
ECE	Electronic Circuits-I	II/3	RS:10,000/-
	Object Oriented Programming	II/3	RS:10,000/-
	Signals & Systems	II/3	RS:10,000/-
	Digital Communication	III/5	RS:10,000/-
	Transmission Lines and Waveguides	III/5	RS:10,000/-
(Jan 2017-Jun 2017)			
ECE	Communication Theory	II/4	RS:10,000/-

	Electromagnetic fields	II/4	RS:10,000/-
	Linear Integrated Circuits	II/4	RS:10,000/-
	Control Systems	II/4	RS:10,000/-
	VLSI Design	III/6	RS:10,000/-
	Antenna and Wave Propagation	III/6	RS:10,000/-
Jun 2017-Dec 2017			
ECE	Electronic Circuits-I	II/3	RS:10,000/-
	Object Oriented Programming	II/3	RS:10,000/-
	Signals & Systems	II/3	RS:10,000/-
	Digital Communication	III/5	RS:10,000/-
	Transmission Lines and Waveguides	III/5	RS:10,000/-
Jun 2018-Dec 2018			
ECE	Communication Theory	II/4	RS:10,000/-
	Electromagnetic fields	II/4	RS:10,000/-
	Linear Integrated Circuits	II/4	RS:10,000/-
	Control Systems	II/4	RS:10,000/-
	VLSI Design	III/6	RS:10,000/-
	Antenna and Wave Propagation	III/6	RS:10,000/-
Jan 2019-Jun 2019			
ECE	Electronic Circuits-I	II/3	RS:10,000/-
	Object Oriented Programming	II/3	RS:10,000/-
	Signals & Systems	II/3	RS:10,000/-
	Digital Communication	III/5	RS:10,000/-
	Transmission Lines and Waveguides	III/5	RS:10,000/-
Jun 2019-Dec 2019			
ECE	Communication Theory	II/4	RS:10,000/-
	Electromagnetic fields	II/4	RS:10,000/-
	Linear Integrated Circuits	II/4	RS:10,000/-
	Control Systems	II/4	RS:10,000/-
	VLSI Design	III/6	RS:10,000/-
	Antenna and Wave Propagation	III/6	RS:10,000/-
Jan 2020-Jun 2020			
ECE	Electronic Circuits-I	II/3	RS:10,000/-
	Object Oriented Programming	II/3	RS:10,000/-
	Signals & Systems	II/3	RS:10,000/-
	Digital Communication	III/5	RS:10,000/-

	Transmission Lines and Waveguides	III/5	RS:10,000/-
Jun 2020-Dec 2020			
ECE	Communication Theory	II/4	RS:10,000/-
	Electromagnetic fields	II/4	RS:10,000/-
	Linear Integrated Circuits	II/4	RS:10,000/-
	Control Systems	II/4	RS:10,000/-
	VLSI Design	III/6	RS:10,000/-
	Antenna and Wave Propagation	III/6	RS:10,000/-

Department of Mech

Year	Subject	Amount in Rs.
2015-16	Engineering Graphics	10,000
2015-16	Strength of Materials	10,000
2015-16	Engineering Thermodynamics	10,000
2015-16	Fluid mechanics	10,000
2015-16	Heat and Mass Transfer	10,000
2015-16	Design of Machine elements	10,000
2015-16	Meteorology and Measurements	10,000
2015-16	Dynamics of Machines	10,000
TOTAL		80,000
2016-17	Design of Machine elements	10,000
2016-17	Meteorology and Measurements	10,000
2016-17	Dynamics of Machines	10,000
2016-17	Engineering Mechanics	10,000
2016-17	Kinematics of Machinery	10,000
2016-17	Thermal Engineering	10,000
2016-17	Design of Transmission Systems	10,000
2016-17	Finite Element Analysis	10,000
TOTAL		80,000
2017-18	Engineering Thermodynamics	10,000
2017-18	Fluid mechanics	10,000
2017-18	Heat and Mass Transfer	10,000
2017-18	Design of Machine elements	10,000
2017-18	Meteorology and Measurements	10,000
2017-18	Dynamics of Machines	10,000
2017-18	Engineering Mechanics	10,000
2017-18	Kinematics of Machinery	10,000
TOTAL		80,000
2018-19	Engineering Graphics	10,000
2018-19	Strength of Materials	10,000
2018-19	Engineering Thermodynamics	10,000
2018-19	Fluid mechanics	10,000
2018-19	Heat and Mass Transfer	10,000
2018-19	Design of Machine elements	10,000

2018-19	Meteorology and Measurements	10,000
2018-19	Dynamics of Machines	10,000
TOTAL		80,000
2019-20	Engineering Thermodynamics	10,000
2019-20	Fluid mechanics	10,000
2019-20	Heat and Mass Transfer	10,000
2019-20	Design of Machine elements	10,000
2019-20	Meteorology and Measurements	10,000
2019-20	Dynamics of Machines	10,000
2019-20	Engineering Mechanics	10,000
2019-20	Kinematics of Machinery	10,000
TOTAL		80,000

Department of EEE

Sl.No	Subject	Amount in Rs.
2015-16	Electronic Devices and Circuits	10,000
2015-16	Digital Signal Processing	10,000
2015-16	Power System Operation and Control	10,000
2015-16	Electromagnetic Theory	10,000
2015-16	Digital Logic Circuits	10,000
2015-16	Electrical Machines-II	10,000
2015-16	Transmission & Distribution	10,000
2015-16	Protection & Switchgear	10,000
TOTAL		80,000
2016-17	Electrical Machines-II	10,000
2016-17	Transmission & Distribution	10,000
2016-17	Power System Analysis	10,000
2016-17	Solid State Devices	10,000
2016-17	Discrete Time Systems and Signal Processing	10,000
2016-17	Microprocessor and Microcontrollers	10,000
2016-17	Design of Electrical Machines	10,000
2016-17	Object Oriented Programming	10,000
TOTAL		80,000
2017-18	Digital Logic Circuits	10,000
2017-18	Electro Magnetic Theory	10,000
2017-18	Power System Analysis	10,000
2017-18	Control System	10,000
2017-18	Electronic Devices and Circuits	10,000
2017-18	Microprocessor and Microcontrollers	10,000
2017-18	Electrical Machines-II	10,000
2017-18	Power System Operation and Control	10,000
TOTAL		80,000
2018-19	Electrical Machines-I	10,000
2018-19	Transmission & Distribution	10,000
2018-19	Discrete Time Systems and Signal Processing	10,000
2018-19	Power System Operation and Control	10,000
2018-19	Design of Electrical Machines	10,000

2018-19	Object Oriented Programming	10,000
2018-19	Power System Operation and Control	10,000
2018-19	Protection & Switchgear	10,000
TOTAL		80,000
2019-20	Digital Logic Circuits	10,000
2019-20	Electro Magnetic Theory	10,000
2019-20	Power System Analysis	10,000
2019-20	Control System	10,000
2019-20	Electronic Devices and Circuits	10,000
2019-20	Microprocessor and Microcontrollers	10,000
2019-20	Electrical Machines-II	10,000
2019-20	Protection & Switchgear	10,000
TOTAL		80,000

Department of Chemistry

SI No	Subject Name	Year / Sem	Budget
2015-16	Environmental Science& Engg	II/3	RS:10,000/-
2015-16	Environmental Science& Engg	II/3	RS:10,000/-
2015-16	Environmental Science& Engg	III/5	RS:10,000/-
2015-16	Environmental Science& Engg	III/5	RS:10,000/-
2016-17	Environmental Science& Engg	II/3	RS:10,000/-
2016-17	Environmental Science& Engg	II/3	RS:10,000/-
2016-17	Environmental Science& Engg	III/5	RS:10,000/-
2016-17	Environmental Science& Engg	III/5	RS:10,000/-
2017-18	Environmental Science& Engg	II/3	RS:10,000/-
2017-18	Environmental Science& Engg	II/3	RS:10,000/-
2017-18	Environmental Science& Engg	III/5	RS:10,000/-
2017-18	Environmental Science& Engg	III/5	RS:10,000/-
2018-19	Environmental Science& Engg	II/3	RS:10,000/-
2018-19	Environmental Science& Engg	II/3	RS:10,000/-
2018-19	Environmental Science& Engg	III/5	RS:10,000/-
2018-19	Environmental Science& Engg	III/5	RS:10,000/-
2019-20	Environmental Science& Engg	II/3	RS:10,000/-
2019-20	Environmental Science& Engg	II/3	RS:10,000/-
2019-20	Environmental Science& Engg	III/5	RS:10,000/-
2019-20	Environmental Science& Engg	III/5	RS:10,000/-

6. Industry Institute Interaction

CSE

SI.No	Year	Title of the Programme	Amount in Rs.
1	2015-16	Preparation for Industrial Careers	1,40,000
2	2015-16	Entrepreneurship Development Workshop	1,40,000
3	2015-16	Applications of Computer in Bio Tech Industry	1,40,000
4	2015-16	Guidance on developing business and industry connections and partnerships	1,40,000
5	2015-16	Exposure to mathematical and statistical problems that arise in industry	1,40,000
TOTAL			7,00,000
1	2016-17	Problem Solving Skills	1,40,000
2	2016-17	Preparing for GRE	1,40,000
3	2016-17	Training on how to develop skills in students that are valued by employers	1,40,000
4	2016-17	Simple German	1,40,000
5	2016-17	Critical Thinking	1,40,000
TOTAL			7,00,000
1	2017-18	Accounting in different industries	1,40,000
2	2017-18	Simple Chinese	1,40,000
3	2017-18	Content Development and management	1,40,000
4	2017-18	Creation of Computer Games – AI programming	1,40,000
5	2017-18	Career in Animations	1,40,000
TOTAL			7,00,000
1	2018-19	Youth Motivation Workshop	1,40,000
2	2018-19	Learn French	1,40,000
3	2018-19	Marketing Ideas	1,40,000
4	2018-19	<u>Inside the industry</u>	1,40,000
5	2018-19	Code For Good	1,40,000
TOTAL			7,00,000
1	2019-20	Leadership Qualities	1,40,000
2	2019-20	Learn French	1,40,000
3	2019-20	Igniting the Sparks	1,40,000
4	2019-20	Opportunities in Information Security	1,40,000
5	2019-20	Standards for Information Security	1,40,000
TOTAL			7,00,000

ECE

Academic Year	Projects	Amount in Lakhs
2015-16	Seed Money to Final Year Projects (5 batches)	5
2016-17	Seed Money to Final Year Projects (5 batches)	5
2017-18	Seed Money to Final Year Projects (5 batches)	5
2018-19	Seed Money to Final Year Projects (5 batches)	5
2019-20	Seed Money to Final Year Projects (5 batches)	5
TOTAL		25

Patent Registration-ECE

Academic Year	Number of Patents	Amount in Lakhs

2015-16	1	1
2016-17	1	1
2017-18	2	2
2018-19	2	2
2019-20	4	4
Total	10	10

Department of EEE

Sl.No	Year	Title of the Programme	Amount in Rs.
1	2015-16	Personality Development Programme	1,40,000
2	2015-16	Soft Skill Training	1,40,000
3	2015-16	How to Face Interview	1,40,000
4	2015-16	How to Communicate	1,40,000
5	2015-16	Embedded system Design	1,40,000
TOTAL			7,00,000
1	2016-17	Personality Development Programme	1,40,000
2	2016-17	Soft Skill Training	1,40,000
3	2016-17	How to Face Interview	1,40,000
4	2016-17	How to Communicate	1,40,000
5	2016-17	Hands on Training on PLC and SCADA	1,40,000
TOTAL			7,00,000
1	2017-18	Personality Development Programme	1,40,000
2	2017-18	Soft Skill Training	1,40,000
3	2017-18	How to Face Interview	1,40,000
4	2017-18	How to Communicate	1,40,000
5	2017-18	Design of Controllers for Special Electrical Machines	1,40,000
TOTAL			7,00,000
1	2018-19	Personality Development Programme	1,40,000
2	2018-19	Soft Skill Training	1,40,000
3	2018-19	How to Face Interview	1,40,000
4	2018-19	How to Communicate	1,40,000
5	2018-19	Training on Labview software	1,40,000
TOTAL			7,00,000
1	2019-20	Personality Development Programme	1,40,000
2	2019-20	Soft Skill Training	1,40,000
3	2019-20	How to Face Interview	1,40,000
4	2019-20	How to Communicate	1,40,000
5	2019-20	Workshop on Digital controller for Electrical Drives	1,40,000
TOTAL			7,00,000

Department of Mech

Year	Title	Cost
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2015-2016	Industry Institute Interaction – Establishment of EDC	2.4
2016-2017	Industry Institute Interaction Establishment of Incubation Centre	2.4
2017-2018	Industry Institute Interaction- Patenting Project	2.4
2018-2019	Industry Institute Interaction - Patenting Project	2.4
2019-2020	Industry Institute Interaction - Patenting Project	2.4
	Total	12

Department of Chemistry

Year	Title	Cost
Aug'15	Sludge treatment –TITAN, Hosur	1
July'-16	Workshop/Training with industry	1.5
	Total	2.50

Department of Physics

S.No	Title of the STP	Name of the industry	Duration	Tentative month	Approx. Budget (in lakhs)
1	STP on Patent Registration(First year all branches)	Intellectual Property of India, Chennai	One Day	Apr' 2015	1.50
2	Solar Photovoltaic Design and Energy Audit: Theory and Practices(first year all branches)	Gpower Solutions, Chennai	Two days	Sep' 2015	2.50
	Total (in lakhs)				4.00

7.Detailed List of Capacity Enhancement Training

ECE - July 15 to June 16

S.No	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Organizational Leadership for the 21st Century	IIM, Ahamadabad	July 15	0.5
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	Nov 15	0.5
3.	Capacity Enhancement Training	IIM, Ahamadabad	Dec 15	0.5
4.	Leadership and Change Management	IIM Trichy	Apr16	0.5
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	May 16	0.5
	Total			2.50

July 16 to June 17

12th BOG Minutes of meeting conducted on 20th March 2015

S.No	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Management Accounting & Financial Management	IIM, Ahamadabad	July 15	0.5
2	Interpersonal Effectiveness and Team Building	IIM,kozhicode	Nov 15	0.5
3.	Understanding Organizational Behaviour	IIM, Ahamadabad	Dec 15	0.5
4.	Leadership and Change Management	IIM Trichy	Apr16	0.5
5.	Knowledge Management	IIM,kozhicode	May 16	0.5
	Total			2.50

July 17 to June 18

S.No	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Knowledge Management	IIM, Ahamadabad	July 15	0.5
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	Nov 15	0.5
3.	Management Accounting & Financial Management	IIM, Ahamadabad	Dec 15	0.5
4.	Effective Communication Strategies: Men and Women @work	IIM Trichy	Apr16	0.5
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	May 16	0.5
	Total			2.50

July 18 to June 19

S.No	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Organizational Leadership for the 21st Century	IIM, Ahamadabad	July 15	0.5
2	Interpersonal Effectiveness and Team Building	IIM,kozhicode	Nov 15	0.5
3.	Understanding Organizational Behaviour	IIM, Ahamadabad	Dec 15	0.5
4.	Leadership and Change Management	IIM Trichy	Apr16	0.5
5.	Management Accounting & Financial Management	IIM,kozhicode	May 16	0.5
	Total			2.50

July 19 to June 20

12th BOG Minutes of meeting conducted on 20th March 2015

S.No	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Effective Communication Strategies: Men and Women @work	IIM, Ahamadabad	July 15	0.5
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	Nov 15	0.5
3.	Understanding Organizational Behaviour	IIM, Ahamadabad	Dec 15	0.5
4.	Leadership and Change Management	IIM Trichy	Apr16	0.5
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	May 16	0.5
Total				2.50

**Department of EEE
2015-16**

SI.No	Capacity Enhancement Training	Conducted By	Expected Budget in Lakhs
1	Organizational Leadership for the 21st Century	IIM, Ahamadabad	0.5
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	0.5
3.	Capacity Enhancement Training	IIM, Ahamadabad	0.5
4.	Leadership and Change Management	IIM Trichy	0.5
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	0.5
TOTAL			2.50

2016-17

SI.No	Capacity Enhancement Training	Conducted By	Expected Budget in Lakhs
1	Management Accounting & Financial Management	IIM, Ahamadabad	0.5
2	Interpersonal Effectiveness and Team Building	IIM,kozhicode	0.5
3.	Understanding Organizational Behaviour	IIM, Ahamadabad	0.5
4.	Leadership and Change Management	IIM Trichy	0.5
5.	Knowledge Management	IIM,kozhicode	0.5
TOTAL			2.50

2017-18

Sl.No	Capacity Enhancement Training	Conducted By	Expected Budget in Lakhs
1	Knowledge Management	IIM, Ahamadabad	0
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	0
3.	Management Accounting & Financial Management	IIM, Ahamadabad	0
4.	Effective Communication Strategies: Men and Women @work	IIM Trichy	0
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	0
TOTAL			2.5

2018-19

Sl.No	Capacity Enhancement Training	Conducted By	Expected Budget in Lakhs
1	Organizational Leadership for the 21st Century	IIM, Ahamadabad	0
2	Interpersonal Effectiveness and Team Building	IIM,kozhicode	0
3.	Understanding Organizational Behaviour	IIM, Ahamadabad	0
4.	Leadership and Change Management	IIM Trichy	0
5.	Management Accounting & Financial Management	IIM,kozhicode	0
TOTAL			2.5

2019-20

Sl.No	Capacity Enhancement Training	Conducted By	Expected Budget in Lakhs
1	Effective Communication Strategies: Men and Women @work	IIM, Ahamadabad	0
2	Enhancing Leadership Capacities and Potential Among Professional Women	IIM,kozhicode	0
3.	Understanding Organizational Behaviour	IIM, Ahamadabad	0
4.	Leadership and Change Management	IIM Trichy	0
5.	The Winning Edge: Communication Strategies for Leaders	IIM,kozhicode	0
TOTAL			2.5

S.No.	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Good Governance	IIM,Kozhikode	Nov 17	.5
2	Engg Education Initiatives for betterment	IIM,Banglore	Nov 18	.5
3	Managing organizations	IIM,Kozhikode	Nov 19	.5
4	Enterpreneurship for engineers	IIM,Ahmedabad	Nov 20	.5
	Total			2.00

Department of Mech

Year	Details	Amount in Rs.
2015 - 2016	Good Governance	4,00,000
2016 - 2017	Engg Education Initiatives for betterment	4,00,000
2017-2018	Managing organizations	4,00,000
2018-2019	Enterpreneurship for engineers	4,00,000
2019-2020	Good Governance	4,00,000
	TOTAL	20,00,000

Department of Chemistry

S.No.	Capacity Enhancement Training	Conducted By	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1.	Capacity Enhancement Training	IIM,kozhibcode	Aug 15	0.5
2.	Capacity Enhancement Training	IIM Trichy	Apr16	0.5
	Total			2.0

List of Activities under Institutional Reforms

ECE

Sl.No	Academic Year	Avctivities	Amount in Lakhs
1	2015-16	Innovations aiming at improvement in quality of education	2
2	2016-17	Innovations aiming at improvement in quality of education	2
3	2017-18	Innovations aiming at improvement in quality of education	2
4	2018-19	Innovations aiming at improvement in quality of education	2
5	2019-20	NBA Fee	3
Total			11

EEE

12th BOG Minutes of meeting conducted on 20th March 2015

Sl.No	Academic Year	Avctivities	Amount Lakhs
1	2015-16	Innovations aiming at improvement in quality of education	
2	2016-17	Innovations aiming at improvement in quality of education	
3	2017-18	Innovations aiming at improvement in quality of education	
4	2018-19	Innovations aiming at improvement in quality of education	
5	2019-20	NBA Fee	
		Total	1

Mech

Year	Title	Budget
2015-2016	Accreditation Fees	2 lakh
2016-2017	Autonomy Formation	1 lakh
2017-2018	Innovations aiming at improvement in quality of education	2 lakh
2018-2019	Innovations aiming at improvement in quality of education	1 lakh
2019-2020	Innovations aiming at improvement in quality of education	1 lakh
	TOTAL	7 Lakh

Incremental Operating Cost

ECE

Attending International Conference outside the country

S.No	Faculty Attending the Program	Purpose	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
1.	Dr.M.Chandrasekaran	Chair Person	Nov 2015	2.0
2.	Dr.V.Thirunavukkarasu	Chair Person	Dec 2015	2.0
3	M.Arulkumar	Presenting Paper	Jan 2016	2.0
4	Dr.G.Suchitra	Presenting Paper	May 2016	2.0
5	K.Manogaran	Presenting Paper	Nov 2016	2.0
6	Dr.M.Chandrasekaran	Presenting Paper	Dec 2016	3.0
7	Dr.V.Thirunavukkarasu	Presenting Paper	Dec 2016	3.0
8	Dr.G.Suchitra	Presenting Paper	May 2017	2.0
9	Dr.V.Thirunavukkarasu	Presenting Paper	June 2017	2.0
10	Mrs.P.E.Irin Dorathy	Presenting Paper	May 2018	2.0
11	Dr.G.Suchitra	Presenting Paper	June 2018	2.0

S.No	Faculty Attending the Program	Purpose	Tentative Date/ Month	Expected Budget Expenditure in Lakhs
		Paper		
12	Dr.M.Chandrasekaran	Chair Person	June 2018	3.0
13	M.Arulkumar	Presenting Paper	Dec 2018	2.0
14	Mrs.P.E.Irin Dorathy	Presenting Paper	May 2019	2.0
15	M. Elangovan	Presenting Paper	June 2019	2.0
16	Dr.V.Thirunavukkarasu	Presenting Paper	June 2019	2.0
17	M.Elangovan	Presenting Paper	Dec 2019	2.0
18	Dr.V.Thirunavukkarasu	Presenting Paper	May 2019	3.0
19	M.Arulkumar	Presenting Paper	June 2019	2.0
20	K.Manogaran	Presenting Paper	June 2019	2.0
Total				44

Maintenance of Furniture, Equipment, Computer etc. Maintenance of furniture, equipments, computers under IOC that are acquired under the project TEQIP-II, Purchase of Consumables and consultants fee related to R & D

Sl.No	Academic Year	Amount in Lakhs
1	2015-16	2.0
2	2016-17	2.0
3	2017-18	2.0
4	2018-19	2.0
5	2019-20	2.0
	Total	10.0

Department - CSE

Year	Details	Amount in Rs
12th BOG Minutes of meeting conducted on	20th March 2015	

2015 - 2016	Life Membership for ISTE, IETE,ACM	6,00,00
2016 - 2017	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,00
2017 - 2018	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,00
2018 - 2019	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,00
2019 – 2020	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,00
TOTAL		10,00,00

Department – EEE

Year	Details	Amount in Rs.
2015 - 2016	Life Membership for ISTE, IETE	1,00,000
2016 - 2017	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,000
2017 - 2018	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,000
2018 - 2019	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,000
2019 – 2020	Expenses for consumables, Consultants (experts) fee related to R&D	1,00,000
TOTAL		5,00,000

Department – Mech

Year	Details	Amount in Rs.
2015 - 2016	Expenses for consumables- AMC	2,00,000
2016 - 2017	Expenses for consumables- Upgrading Software	2,00,000
2017 - 2018	Expenses for consumables – Maintenance of Equipments	2,00,000
2018 - 2019	Expenses for consumables – Cabliberation of Testing Equipment	2,00,000
2019 - 2020	Expenses for consumables - Cabliberation of Testing Equipment	2,00,000
TOTAL		10 lakhs

Approved

Agenda: 12.7 State Budget and other Funds:

State Budget Allotment for 2014-15 is given below.

19 01 purchase	–	63 Lakhs
47 S&E	-	2.5 Lakhs
19 03 Maintenance	-	2 Lakhs
Library	-	9.35 Lakhs

Allotted budget is fully utilized. Submitted to BoG for information

Agenda: 12.8 Civil Works- Ladies students rest room with toilet facility

Proposal had been submitted to Commissioner of Technical Education to construct Ladies rest room with Toilet facilities. Budget estimate: Rs.8.0 lakhs. In AICTE and NBA – accreditation ladies rest room with toilet facility is mandatory requirement for technical institution.

Approved

Agenda 12.9 Training programmes attended outside Institution during DEC 2014 –FEB 2015.

Sl. No	Title of the Programme	Date	Participants	Place
1	Chennai Chapter Quality Circle Convention (CCQCC 2014)	06.09.2014-07.09.2014	Prof.R.Sudha (EEE) Prof.M.Elangovan (ECE) Dr.I.Rahamathullah (Mech) Prof.CMT.Karthikeyan (CSE)	QCFI- Chennai Chapter, Rajalaksmi college of Engg, Chennai
2	National Conference on "Status of Women in 21 st Century"	06.09.2014 to 07.09.2014	Dr. R. Karthika Devi (Eng)	Anna University, Chennai
3	First International Conference on DATA MINING – DMIN 2014	13.09.2014-14.09.2014	Prof.S.Selvi(CSE)	Academy Industry Research Collaboration Centre, Bengaluru
4	One week short term training program on "Advanced Engineering Optimization through Intelligent Techniques	22.9.2014-26.09.2014	Dr.G.Saraswathy (Chem) Prof.R.Sudha (EEE) Prof. M. Sutha(Maths) Dr.G.Suchitra (ECE) Prof.A.Thangaraj(EEE) Prof.K.Mohan,AP/EEE Prof.M.ArulKumar(ECE)	SV NIT ,Surat
5	Two days workshop on Network Simulator (NS2)	26.09.2014 – 27.09.2014	Prof.P.E.IrinDorathy (ECE)	National Engg College, Kovilpatti
6	Two days workshop on "Robots in Manufacturing Industry-2014"	26.09.2014 – 27.09.2014	Prof.D.Kulanthaivel, Mech	Anna University, Chennai
7	Regional Work shop on " Web based Student, Faculty and Non Teaching Staff Satisfaction Survey"	22.09.2014	Dr.V.Tirunavukkarasu (ECE) Prof.C.Satheesh Pandian (CSE)	M S Ramaiah Institute of Technology, Bangalore

8	Workshop on Quality Assurance Mechanisms	28.10.2014 to 30.10.2014	Prof.V.Arivumani (EEE) Dr.G.Suchitra(ECE) Prof.P.Natarajan(Mech) Prof.N.Jagadeeswari(CSE) Prof.K.Manogaran(ECE)	IIT, Chennai
9	Earthing practices in Electrical Installations	28.10.2014 to 30.10.2014	Prof.A.Thangaraj(EEE) Prof.Bhavani (EEE) Dr.I.Thangaraju(EEE) Prof.K.Mohan,(EEE)	ESCI, Hyderabad
10	AICTE sponsored short term course on Teachers Effectiveness workshop	13.10.2014 to 17.10.2014	Prof.R.Sudha(EEE) Prof.Bhavani (EEE) Prof.M.Kavitha(ECE)	IIT , Chennai
11	Art of Teaching: Pedagogical tools and techniques series III	17-11-2014 to 21-11-2014	Prof.N.Jagadeeswari (CSE) Prof.D.Kulanthaivel,(Mech) Prof.S.Selvi (CSE) Dr.Saravanan (Civil)	National Institute of Technology, Trichy
12	Two days workshop on Wide Area Monitoring , Protection and control-novel solution using phasor measurement unit	27.11.2014 to 28.11.2014	Prof.R.Sudha (EEE)	CPRI , Bangalore
13	International Congress on Sensor Networks 2014	19.11.2014 to 21.11.2014	Dr.M.Chandrasekaran Professor / ECE	Holiday Inn Silom, Bangkok, Thailand

Training conducted in the Institution during Dec 2014 –Feb 2015

SI.No	Title of the Programme	Name of the Coordinator
1	TEQIP II sponsored one week FDP on “ RECENT TRENDS IN POWER CONVERTERS ”-EEE 10.11.2014 to 16.11.2014	Prof.A.Thangaraj(EEE)
2	TEQIP II sponsored one week FDP on “ ENTREPRENEURSHIP ” – EEE 17.11.2014 - 23.11.2014	Dr.I.Thangaraju (EEE)

Student Training Programmes conducted during Dec 2014 –Feb 2015

Sl. No	Date	Particulars
1	Mech 07.10.2014 to 08.10.2014	Applied Hydraulics and pneumatics with applications
2	Mech 08.10.2014 to 09.10.2014	PLC and automation
3	ECE 10.10.2014 to 11.10.2014	Analog System design using ASIC.
4	ECE 08.10.2014 to 09.10.2014	Hands on training on low power microcontroller MSP
5	CSE 27.09.2014 – 29.09.2014	Effective Communication skill (for I SEM)

6	CSE 11.10.2014 to 12.10.2014	Effective communication skills (For III SEM)
7	CSE 27.09.2014- 29.09.2014	Android Application
8	CSE 23.09.2014	Aspiration 2020-Infosys campus connect online coding contest
9	All dept	CII Chennai Day event
10	All Dept 07.11.2014 to 08.11.2014	Modern Engineering role of Laser Photonics and Fiber Optics (For I Year Students)
11	EEE 13.09.2014- 15.09.2014	Gate Coaching
12	EEE 18.09.2014- 19.09.2014	PCB design and fabrication

FDP list is already approved in previous BOG. Need based training programmes attended outside the institution and conducted may be ratified.

Ratified

Agenda. 12.10 Teaching Learning center

Teaching Learning center was established and a meeting was convened on 05.02.2015. The best practices adopted by the faculty members were discussed. The minutes of the same is submitted to the BOG for information.

**Government College of Engineering, Bargur
Teaching Learning Centre (TLC)**

Minutes of all faculty meeting organised by TLC

An all faculty meeting was organised by TLC, of our college on 23rd February 2015 at 2.30 PM with the all regular and ad-hoc faculty members. The agenda of the meeting was to share and learn any new/innovative teaching learning practices followed.

The team leader of TLC, Dr. I. Rahamathullah Asst. Professor / Mechanical Engineering, welcome the Principal, HODs, regular professors and ad-hoc faculties from the engineering and non-engineering departments for this all faculty meeting. After welcoming every member, team leader has listed out various activities that are taken place during the past few months and read out the minutes of first TLC members meeting held on 9th February 2015. As per the decision made in the first TLC members meeting, the faculty members are invited to share their experience in teaching learning practices, with a view to improve overall institutions teaching learning practices. Madam Principal was first invited and subsequently other senior and junior faculty members are invited to share their experiences or any new/innovative methodologies/practices followed by them.

The following views are shared by,

Prof. K. Subathra

- Observed poor student-teacher interactions in the campus, advised all the teachers to maintain good rapport with the students, insisted the teachers to call their students by name.
- Found no correlation between theory and practical exam grades in the university examination results. One, who got S grade in practical exam, took D/E grade in the theory paper. Advised don't be too considerate in laboratory marks. At the same time, madam has suggested to give good grades for those deserve to get.
- Student's seminar must be encouraged.

Prof. Dr. M. Chandrasekaran

- Advised to divide 50 minutes class time into 5 min. + 40 min. + 5 min. The first 5 minutes for briefing the previous class, 50 minutes for regular class and the last 5 minutes of summarizing the class proceedings
- Emphasised proper course planning
- By requesting any student volunteer to prepare at least five objective type questions from the topics covered and ask the other student to answer them.

Prof. Dr. V. Thirunavukkarasu

- Advocated weekly tests, in addition to the monthly cycle test in order to improve end semester examination results.
- Advised the teachers to create awareness among the students, about the recent scientific advancements in their domain along with the regular subject teaching.
- Emphasised to play games such as *technical Antakshari*. In this game, the professor will start with a keyword (one technical word related to that subject) whereas the first student should come up with another keyword whose first letter should be the last letter of the previous keyword. This will continue until all the students participated in this game. At the end of the game, students must be asked to prepare a proper definition for the keyword he/she suggested. After compilation of all the definitions, the document can be circulated among each other.

Prof. P. Thirumal

- Suggested not to solve the entire problem in the class room, instead the students can be asked to complete problem by referring the previous problem or theory portions covered
- Advocated to speak only in English on the classroom and off the classroom.
- Emphasised that, the practical classes are more important than the theory classes and advised to demonstrate the laboratory work with theoretical background or with some simulation
- Proposed to used models wherever possible (subjects like Engineering Graphics)

Prof. Nafeesa Begum

- A new word a day, suggested. Any new word read in the newspaper can be discussed
- Advocated, every faculty be a member in social groups such as facebook, twitter etc. and pointed out this will be help be in touch with student and easy to track their movements.
- Emphasised interdepartmental interactions.

Prof. Govindan .T

- Advocated teaching through story telling
- Emphasised every action must follow the planning

- Found some serious problems with current evaluation system and advocated some changes in the present system

Mr. Elongovan

- Reiterated the need for education through story telling
- Students must be encouraged to raise questions
- Insisted cooperative/collaborative projects

Mr. Manogaran

- Insisted not to provide printed observation note book to the students
- Proposed to have common lab facility
- Proposed to have a department ambassador (a contact point for the other department faculty and students to get any help from their department)

Mr. C. Satheesh Pandian

- Discuss an acronym daily (related to their subjects like http, ftp, ascii etc)
- Insisted no teacher should go to the class with book/big notes
- Emphasised collaborative learning

Mr. CMT Karthikeyan

- Advocated review of the previous class teaching and summary of the present class teaching must be from the students not from staff.

Mr. Arul Kumar . M

- Insisted to motivated students
- Requested the faculty to pray for their student knowledge and welfare.

Dr. Saraswathy

- Insisted that, student must have separate notebook for each subject with syllabus copy pasted at the first page
- Emphasised to conduct surprise test during class hours

Dr. I. Thangaraj

- Advocated student seminar on easy topics

Mr. AnanathaKumar

- Advocated animation based teaching particularly subjects like engineering mechanics and IC engines.
- Insisted to take classes on Saturdays for the weak students

Mr. K. Mohan

- Suggested the late comers for the class can be permitted to attend the class after taking attendance
- Student can be allowed to become teacher by allowing them to take classes

Mr. V. Aruvumani

- Advocated for objective type question for the internal examinations.

Ms. M. Bhavani

- Suggested collaborative and cooperative learning for better understanding and results

Ms. R. Sudha

- Advocated for open book test
- Allocating separate councillors or proctor for individual students
- Insisted unique assignments for every individual

Dr. G. Suchitra

- Recommended to assign an assignment to the students on different topics
- Urged for the need of student seminar

Ms. PE Irin Dorathy

- Emphasised 40 minutes for faculty teaching and 10 minutes for student seminar

Mr. R. Bakkiyaraj

- Advocated teaching aids such as ppt for better visualisation and models for crystal structures like BCC, FCC
- Emphasised motivation of the students for better performance

Ms. S. Selvi

- Talked about concept map
- Insisted the teachers must be easily approachable.

Mr. D. Kulandaivel

- Emphasised the need of black board teaching for problematic subjects

Ms. M. Kavitha

- Emphasised the importance of objective type questions and answers

Ms. N. Jagadeeswari.

- Talked about the importance of group activates and role playing

After suggestions from everyone, Principal Madam insisted everybody to follow as many techniques as possible in their teaching methodology

Finally ~~the~~ One of TLC member Mr. Elango thanked everyone for their wonderful participation and contribution on behalf of Teaching Learning Centre of GCE Bargur. The meeting ended with a positive note. At the end of meeting, tea and snacks were served for all the participants.

1. K. Selvi 23/2/15
 2. [Signature] 23/2/15
 3. V. [Signature] 23/2/15
 4. [Signature] 23/2/15
 5. [Signature] 23/2/15
 6. [Signature] 23/02/15
 7. M. Elango
 8. [Signature]
 9. [Signature]
 10. M. B. [Signature] 23/2/15
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Ratified**Agenda. 12.11 Librarian**

The librarian who was working in this institute retired from the service on 31st May 2014. At present there is no librarian and attender. Due to this from the academic year 2014-15 it is very difficult to maintain and issue the books to the students. The inspection committee sent by Anna University, Chennai for affiliation also expressed their concern on this issue. In 12th BOG Minutes of meeting conducted on 20th March 2015

accreditation major portion of the marks goes for Library. **The BoG requests the Commissioner of Technical Education to give special attention for posting a librarian and attender immediately.**

Approved

Agenda 12.12 College Bus and Driver:

A bus was transferred from GCT Coimbatore to this institute. The bus is well maintained and utilized for the industrial visits. There is no sanctioned post for the bus driver and conductor cum attender. A letter was written to transfer the driver with the driver post from Govt.Polytechnic, women, Coimbatore on 10/11/14. It is requested to get sanction from the Govt to transfer the driver with the post from GPT women, Coimbatore to GCE, Bargur. **As an interim arrangement the driver may be redeployed to GCE, Bargur for maintaining and to utilize the bus effectively for students.**

Approved

Agenda 12.13 GCE Bargur Faculty Won Robotic Competition @ Sona College of Technology, Salem

The Commissioner of Technical Education congratulated GCE, Bargur Faculty team for getting First Prize (Cash Prize Rs.20, 000/=) in e-Yantra Robotic Competition conducted by IIT Mumbai. (**CTE Letter No: 56681 / TEQIP-II / 2015 Dated: 4.3.2015**) He also wished the team to get First Prize in Final competition to be conducted at IIT Mumbai in April 2015.

DEPARTMENT OF TECHNICAL EDUCATION, TAMILNADU

From	To
The Principal Secretary / Commissioner of Technical Education & Head of SPFU Directorate of Technical Education, Chennai – 600 025.	The Principal Government College of Engineering, Bargur -

Letter No: 56681 / TEQIP-II / 2015 Dated: 4.3.2015

Madam,

Sub: TEQIP Phase II – Government College of Engineering, Bargur – Bagged first prize in e-Yantra Robotics Teacher's Competition Organized by IIT, Bombay - Regarding.

Ref: Letter from Principal, Government College of Engineering, Bargur [lr.no.](#) GCEB / e-YANTRA /2015 /001
Dated: 11.02.2015

With reference to your letter cited above, I congratulate the Principal, Government College of Engineering, Bargur and their team for winning the first prize in e-Yantra Robotic's Teacher's competition organized by IIT, Bombay at Sona College of Technology, Salem on 22.1.2015. Best wishes for the team to win in the Finals at IIT, Bombay in April, 2015.

For Principal Secretary / Commissioner of
Technical Education & Head of SPFU

Submitted to BoG for information

Agenda 12.14 EEE project got selected in MOTOROLA Project Contest

In the 2014 one EEE project got selected in Motorola Project contest and won 3rd prize. In the current academic year 2015 again one EEE Project is selected for presentation which will be held in May 2015.

Submitted to BOG for information

Agenda 12.15 Mentor's 5th Visit in Jan 2016 report submitted.


The 5th mentor visit for TEQIP-II institutional progress monitoring was held in January 2016. The report of the same is submitted to BOG for information.

MENTOR REPORT FORM (I)

Name of Mentor : Prof (Dr.) Sukesh Kumar. A Dates of Mentoring Visit : 8 & 9 Jan 2015
 Name of Institution with location : Govt. College of Engineering, Bargur, Tamilnadu (5th Visit)

No.	SEVEN KEY ASPECTS	QUALITATIVE SUMMARY AND SUPPORTING EVIDENCE OF PROGRESS	PROGRESS SINCE PREVIOUS VISIT
Component I: Improving the quality of education			
1.1	Strengthening institutions to improve learning outcomes and employability of graduates	<ul style="list-style-type: none"> • There is good improvement in the TEQIP-Phase II activities • There were more domain, management capacity and pedagogy training programmes attended my faculty • There were more academic support programmes for students in the following area (i) Remedial classes for weak students (ii) QEEE and Edusat programs. • There were 8 training programmes in different areas for the skill development of the students. • The transition rate during 2013-14 for all students is 81.99% and for students from disadvantaged background is 81.46% which is higher among all 8 	<p>There is progress in all TEQIP – Phase – II activities.</p> <p>But there is severe shortage of faculty, technical and office staff college library is non-functional no full term librarian, and other employees.</p> <p>There is no physical education instructor, and hence couldn't create sports facilities</p>

		<p>TEQIP Phase – II institutes in Tamilnadu</p> <ul style="list-style-type: none"> • Pass percentage of VIIIth semester in April/May 2014 is as follows. CSE- 93.85%, ECE-98.57%, EEE-95.31% and Mechanical Engg – 98% • There is some slight improvement in the placement rate. 80 students have placed from 2013-14 final year batch. • 21 faculty members receiving Ph.D research support from TEQIP – Phase II Project • R&D activities under TEQIP project is slightly improved 14 MOU's signed with various industries/institutions. CSE and Mech. Engg. Departments got a fund of Rs. 13,23,000 from Govt of India, Ministry of defence, Directorate of Aeronautics/DRDO/Aeronautics Board for a research project. • Internal revenue earned through testing and consultancy is Rs. 1,74,680/- The details on four fund maintained are as follows. Corpus Fund – Rs. 554747/- Faculty and staff dev fund – Rs. 34924/- , Maintenance Fund – Rs.17283 and Equipment replacement fund – Rs. 	
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Component 2 : Improving System Management			
2.1	Capacity building to strengthen management	14 faculty members attended management capacity development programmes (4 in Kully, Manali, 5 in National Engg. College, Kovilpathi and 5 in ESCL, Hyderabad). There is good performance in the system management activity.	There is some improvement. But they have to plan more programme targetting all faculty of the institution.
2.1.1	Implementation of good institutional governance	Good institutional governance is in practice with in the available resources	
2.2	Project management, monitoring and evaluation	In the institution level there are difference committees to plan, implement, monitor and evaluate various 'TEQIP activities. As per TEQIP files, and presentation there are evidences for regular review and other meetings. Mentor had 5 visits sofar and addressed most of the stake holders and issued suggestions for improving TEQIP activities to achieve desired out comes. So far they, had 11 BOG meetings. BOG meetings regularly monitoring and evaluating the TEQIP activities, which is clearly, evident from the agenda notes and minutes of the meetings. They also attended and presented details in the state level review meetings organised by SPFU. SPFU audit team also assessing all financial activities.	 Mentor, GOF Bangalore SPFU (Dr) Subash kumar A
		17283/- (As per the physical verification of pass books)	
		<ul style="list-style-type: none"> All lab facilities of branches of engineering are modernised with advanced equipments and machinery procured under TEQIP. A fully networked and wi-fi campus is in place. More number of experimental setups in most of the labs and hence 3 or 4 students can do experiments now than the previous practice of 5 to 6 students per batch for doing experiments. Already applied and uploaded e-SAR for NBA accreditation. Accreditation team visit is expected in March, 2015. As per updated performance assessment of institutions by NPIU, institution met all indicators 	
1.2	Scaling up post graduate education and demand driven research, development and innovation	NA	
1.2.1	Establishing centres of excellence	NA	
1.3	Faculty development for effective teaching (Pedagogical training)	In the last six months 8 faculty members attended pedagogical training programmes (3 in IIT, Chennai, 4 in NIT, Trichy and 1 in NITTTR, Chennai)	Only slight improvement, they have to plan more programmes in this category

MENTOR REPORT FORM (2)

Name of Mentor : Prof.(Dr.) Suresh Kumar. A Dates of Mentoring Visit : 8 & 9 Jan 2015
 Name of Institution with location : Govt. College of Engineering, Bargur, Tamilnadu (5th Visit)

No.	LIST OF INTERVEIWS	KEY DISCUSSION SUMMARY POINTS
1	Under graduate students	<ul style="list-style-type: none"> • They expressed happiness over the availability of various academic facilities and different academic support programmes • They requested to solve the following (i) shortage of faculty, technical and office staff (ii) Appointment of physical education instructor and creation of more sports facilities (iii) Appointment of librarian and other library staff (iv) construction of a college auditorium.
2	Faculty and staff	<ul style="list-style-type: none"> • Due to shortage of faculty and technical staff currently working faculty and staff are over loaded. • They are not getting promotion and senior scales in time • They are working sincerely for obtaining accreditation. • They also requested for starting new PG Programmes to improve research ambiance in the campus. • All TEQIP activities will be carried out as per the 11th BOG meeting decisions.
3	Senior Management	<p>Had discussions with Principal, HODs and TEQIP Co-ordinators</p> <ul style="list-style-type: none"> • It is decided to setup 3 committees for the following activities (i) committee-1. This committee will list out all the targets of IDP for TEQIP Phase -II project and see the implementation status. Based on that it will prepare a detailed reports. (ii) Committee-2. This committee will make a detailed report on the achievements of

		<p>TEQIP – Phase – II Project to the institution. (iii) Committee-3 This committee will prepare a details report on the future development of the College (a vision document).</p> <ul style="list-style-type: none"> • These 3 committee's reports will be presented in the next mentor's visit. (Principal already issued orders constituting committees) • HODs informed that based on the improvements in the academic facilities through TEQIP implementation currently the departments are capable to start new PG programmes and centres of excellence as given below. 																				
		<table border="1"> <thead> <tr> <th>Sl.No.</th> <th>Department</th> <th>PG Programme</th> <th>Centre of excellence area – suggested</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Computer Science and Engineering</td> <td>1. ME Computer Science and Engineering 2. ME Cyber security</td> <td>Cyber Technology and Information Security</td> </tr> <tr> <td>2</td> <td>Electronics and Communication Engg</td> <td>1. ME Applied Electronics 2. ME communication Systems</td> <td>Embedded system and wireless sensor networks</td> </tr> <tr> <td>3</td> <td>Electrical and Electronics Engg.</td> <td>1. ME Power Electronics and drives</td> <td>Renewable Energy</td> </tr> <tr> <td>4</td> <td>Mechanical Engineering</td> <td>1. ME Thermal Engineering</td> <td>I.C. Engine fuel & Emission research</td> </tr> </tbody> </table>	Sl.No.	Department	PG Programme	Centre of excellence area – suggested	1	Computer Science and Engineering	1. ME Computer Science and Engineering 2. ME Cyber security	Cyber Technology and Information Security	2	Electronics and Communication Engg	1. ME Applied Electronics 2. ME communication Systems	Embedded system and wireless sensor networks	3	Electrical and Electronics Engg.	1. ME Power Electronics and drives	Renewable Energy	4	Mechanical Engineering	1. ME Thermal Engineering	I.C. Engine fuel & Emission research
Sl.No.	Department	PG Programme	Centre of excellence area – suggested																			
1	Computer Science and Engineering	1. ME Computer Science and Engineering 2. ME Cyber security	Cyber Technology and Information Security																			
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3	Electrical and Electronics Engg.	1. ME Power Electronics and drives	Renewable Energy																			
4	Mechanical Engineering	1. ME Thermal Engineering	I.C. Engine fuel & Emission research																			
		<ul style="list-style-type: none"> • It is decided to display all final year projects in the respective department project labs in the end of this academic year. A detailed wall chart with name of project, project group, guide and completion status will also be displayed. And open project exhibition also be arranged for the benefit of pre-final year students. 																				

<ul style="list-style-type: none"> All departments will concentrate on more R&D works (14 MOU's are in place) and submit proposals to funding agencies. Already CSE and ME has got a Joint Research project from DRDO, GOI 		
4	Head of the Institution	<ul style="list-style-type: none"> Visited all dept labs with principal and HODS and assessed the preparedness for accreditation. Also ensured that all equipments and softwares procured under TEQIP are fully utilized for lab experiments and student projects. Discussed the issues regarding shortage of faculty, technical and office staff, librarian, and library staff, physical education instructor and sports facilities. Principal has already taken up the issue of starting of new PG programmes as per IDP with the commissioner of technical education. Principal also assured to put all efforts for the successful completion of TEQIP Phase-II project, cumulative expenditure up to Dec 2014 is Rs. 89188767/-


 Mentor, Govt. College of Engineering, Bargur,
 Prof. (Dr.) Suresh Kumar A.

MENTOR REPORT FORM (3)

Name of Mentor : Prof. (Dr.) Suresh Kumar. A Dates of Mentoring Visit : 8 & 9 Jan 2015
 Name of Institution with location : Govt. College of Engineering, Bargur, Tamilnadu (5th Visit)

No.	RECORD OF KEY POINTS	INSTITUTIONAL RESPONSE	NOTE OF ANY FOLLOW UP NEEDED BY MENTOR, SPFU, NPIU
1	Successful completion of the remaining activities of TEQIP Phase-II Project actions to be taken	TEQIP Co-ordinator and HODs in their presentation explained their plan of action for the next six months	Mentor: Periodically contact for assessing improvements
2.	Steps to be taken to improve placement rate of students	Placement cell is contacting more core companies for placement. More programmes are being organised for skill upgradation. It is informed that SPFU is planning to organise central placement drives for TEQIP - Institutions.	SPFU-Kindly organise centralised placement drive at Chennai
3.	Starting of new PG Programmes	Already taken up the issue of getting NOC for applying PG programmes with commissioner of technical education	SPFU- Kindly take effective steps to release NOC from Govt.
4.	Discussed the progress on the preparation of accreditation PG programmes	Preparation of accreditation program is going on well. The team visit is expected in the month of March 2015. Major hurdle is the shortage of faculty and staff	Mentor: Monitor the progress SPFU- Kindly take urgent steps to fill faculty and staff positions.

5.	Solving the issue of faculty/staff shortages (i) sanctioning of posts as per AICTE requirements (ii) In library, librarian and library staff are not available (iv) Shortage of office staff and lab staff (v) Posting of physical education instructor and creation of sports facilities	Principal had taken these issues with commissioner of technical education through recent video conference review	Mentor: In my 4 th visit mentor report the same was included, but no improvement at all. BOG also addressed the issue to CTE for urgent solution. SPFU - kindly take necessary steps to solve these issues.
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Approved

Agenda 12.16 Internal Audit Report and ratification

The following replies are submitted for the observations noted in internal audit report for the 1st Hall year 01.04.2014 to 30.09.2014.

Sl. No	Internal Audit Observation	Reply from institution
1	<p>Non-inclusion of Security Deposit collected in the TEQIP books of accounts: We observed that the institution is maintaining separate bank account for the security deposits collected from the suppliers for the purchases made under TEQIP II Scheme. The above bank account transactions are not included in the TEQIP books of accounts. Hence it is suggested that the above bank account transactions should also be included in the TEQIP books of accounts</p>	Security Deposit account will be included in the current FY 2014-15
2	<p>Non filing quarterly TDS Returns : The institution has deducted income tax from the payments made to contractors Professional charges etc. The tax deducted is also paid to the credit of the Income Tax Account. But the institution has not filed the quarterly TDS returns till date.</p>	The Quarterly TDS Returns filed
3	<p>Industry Institute Interaction: The institution has paid a sum of Rs. 1,12,360/- to The Confederation of Indian Industry, Southern region vide Ch.no.791622 dated 26.5.2014. There is no bill or receipt available for the above payment. Income tax (TDS) has not been deducted from the above payment. The above payment includes Service Tax of 12.36%, but the Service Tax Registration Details of the Confederation of Indian Industry IS not available III the communication available with the institution.</p>	Letter was sent to The Director, Confederation of Indian Industry for the payment made etc.
4	<p>Purchase of CNC Milling Machine: The institution has purchased CNC Milling Machine from Mis Batliboi Ltd, Surat under NCB for Rs.19,44,627/- and made payment vide ch.no.788299 dated 28.4.2014. Auditor's observations are as under: a. To recover Excess payment of excise duty Rs. 32,353/- b. The supplier to correct the warranty condition as per the tender terms. c. Extend the Validity of Performance Bank Guarantee The validity of the PBG should be 2 years and 60 days from the date of acceptance i.e. up to 26.6.2016 but the supplier has given the PBG validity up to 31.3.2015. It is suggested that the institution has to take up the issue with the supplier and arrange to get the validity extension of PBG up to 26.6.2014. d. Value of Performance Bank Guarantee: As per the tender conditions the supplier has to give</p>	<p>A Letter was sent to M/s Batiliboi Ltd in addition to mails.</p> <p>The company accepted and sent the revised warranty certificate. The excess payment will be deducted from the EMD deposit.</p>

Sl. No	Internal Audit Observation	Reply from institution
	<p>PBG for an amount of 5% of the contract value. Here the Total contract value is Rs.19, 12,274/- as arrived in clause above.</p> <p>5% of the above amount is Rs.95,614/-. But the supplier has given the PBG for the value of Rs.93,0301-. It is suggested that the institution has to insist the supplier to increase the PBG value to Rs.95, 614/-.</p>	
5	<p>Delay in settlement of advances As on 30.9.2014 of Rs. 45,785/- given for various activities up to 31.3.2014 and Rs.6,32,785/- for the period from 1.4.2014 to 30.9.2014.</p>	All the advances are settled as on date
6	<p>Fixed Assets Register: The institution has not written the unique ID number of fixed assets in the fixed assets register. Unless unique ID number is written in the fixed assets register it is difficult to identify the assets. Hence it is suggested to write the unique ID number in the fixed assets register as well as in the concerned machinery/equipment.</p>	Unique ID updated in Asset Register
7	<p>Purchase of Minor items: The institution has issued 22 purchase orders for the purchase of minor items for the total value of Rs.5,42,487/-. All purchase orders are issued from 21.11.2013 to 25.11.2013. We observed that most of the above purchases are for identical items with the same supplier. We herewith enclose the statement of details containing the above purchases. The institution might have purchased the above items through shopping method instead of procurement under minor items by which it might have been obtained competitive rates.</p>	All items are unique to individual departments. In order to get uniformity in quality of board and color and font size of the character in all boards purchase is done in “ minor items ” category

Approved

Agenda 12.17 Career Advancement Scheme

Career Advancement Scheme (CAS) for the Asst. Professor to Asst. Professor (Senior Grade), Asst. Professor (Senior Grade) to Asst. Professor (Selection Grade) and Associate Professor are due to the faculty members. **BoG requests the Commissioner to give special attention to this issue and requests the Commissioner to speedily implement the CAS for the faculty members who are eligible.**

Approved

Agenda: 12.18 Inadequate Faculty strength (As per AICTE norms)

The Performance Auditor, Mentor and the inspection committee for Anna University affiliation has raised concern over inadequate Faculty and other staff strength in GCE, Bargur. This has been represented to the Commissioner of Technical Education for sanction of posts as per AICTE norms.

In the view of getting NBA-Accreditation, BoG requests the CTE to take special steps for the sanction of teaching and non teaching posts as per AICTE Norms as listed below.

*Appro
ved*

S.No	DETAILS OF POSTS FOR GCE BARGUR	No. of Posts required for GCE Bargur for 4 Branches as per AICTE Norms	No. of Posts already available in GCE Bargur	Vacant at present	Additional No. of Posts Required to fulfill AICTE Norms
1.1	Principal	1	1	1	0
1.2	Professor	4	2	0	2
1.3	Asso. Professor	16	8	8	8
1.4	Asst. Professor	52	42	9	10
1.5	Librarian	1	1	1	0
1.6	Physical Director	1	0	0	1
TEACHING POSTS		75	54	20	21

2.1	Foreman Instructor	1	0	0	1
2.2	Workshop Instructor	2	0	0	2
2.3	Artisan (Grade 1)	4	0	0	4
2.4	Artisan (Grade 2)	16	0	0	16
2.5	Lab Assistant	16	7	0	9
2.6	Pump House Operator	2	0	0	2
2.7	Plumber	1	0	0	1
WORKSHOP & TECHNICAL STAFF		42	7	0	35

3.1	P.A to Principal	1	1	0	0
3.2	Bursar	1	0	0	1
3.3	Superintendent	4	1	0	3

3.4	Assistant	8	1	0	7
3.5	Junior Assistant	12	2	1	10
3.6	Typist	3	0	0	3
3.7	Steno-Typist	1	1	0	0
3.8	Record-Clerk	2	0	0	2
ADMINISTRATIVE STAFF POSTS		32	6	1	26

4.1	Office Assistant	2	2	1	0
4.2	Watchman	3	0	0	3
4.3	Gardener	2	0	0	2
4.4	Marker	1	0	0	1
4.5	Sweeper	3	0	0	3
4.6	Sanitary Worker	2	0	0	2
BASIC SERVANTS		13	2	1	11

Agenda: 12.19 Filling up of vacant posts in office

GCE, Bargur has got only 6 sanctioned posts in office for the past 20 Years compared to newly started colleges with 21 Posts sanctioned. Two Assistant posts are vacant for the past 18 months. It is very difficult to run the office with only four members- one –PA; One Supdt; One Asst; One- Steno cum typist. **Hence it is requested that Two Vacant Assistant posts may please be filled up early.**

Approved

Agenda: 12.20 Block Grant

Since GCE, Bargur is TEQIP – II institution it is mandatory that this institution must be a block grant institution. BOG requests the Commissioner of Technical Education to speed up the process of issuing Block grant status to GCE, Bargur from April 2015 onwards. The funds requested under various head of accounts has been submitted to the DOTE is listed below.

(*Rupees in Thousands)

Head of Account	2015-16*	2016-17*	2017-18*
01 01 Pay	40000	50000	65000
02 MA	150	200	250
03 MC	30	30	30
04 OA	125	140	150
06 HRA	1000	1100	1200
07 TC	24	28	32
02 Wages	30	34	38

03 01 DA	40000	50000	65000
06 03 Water Charges	300	330	360
19 03 Maintenance	300	350	400
21 MV 02	35	45	60
33 02 Remuneration	3500	4000	4500
45 POL	130	160	190
47 01 S&E	850	900	950
66 Medicines	30	35	40
68 Cost of Books AA	45	55	65
76 C&A 03 Stationary	150	160	170
05 02 Contingency	40	50	60
19 M&E 01 Purchase	8850	8900	8950
68 Cost of Books AF	1200	1300	1500
68 Cost of books JE	40	50	60

Approved

Agenda: 12. 21

As per the NPIU's mail Dt. 19.03.2015 to approve the foreign travel of GCE, Bargur faculty the following committees are constituted.

I. Internal Scrutiny Committee (Senior faculty members):

1. Dr. M. Chandrasekaran, Prof / ECE
2. Prof. Nafeesa Begum, AP/ CSE
3. Prof.G. Saravanan, AP/ Civil

II. TEQIP-II Unit

1. Prof. K.Subathra, Principal
2. Dr. V. Thirunavukkarasu, TEQIP – II Coordinator
3. Prof. P. Thirumal, Academic Nodal Officer
4. Prof. Irin Dorothy, Equity Nodal Officer
5. C.M.T. Karthikeyan, III Nodal Officer

III.Screening Committee (constituted by BoG with Senior External Experts)

1. Dr. P. Ramamoorthy – Retired Principal, TPGIT, Vellore
2. Dr. M. Sakthivel – Prof/ Mech, Anna University Regional Centre, Coimbatore
3. Dr. K. Thaushkodi – Retired Principal, GCE, Bargur

Approved

Agenda: 12. 22**Governance Self-Assessment – GCE, Bargur**

INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
A PRIMARY ACCOUNTABILITIES	
SELF-REVIEW QUESTIONS	ASSESSMENT
Has the Governing Body approved the institutional strategic vision, mission and plan - identifying a clear development path for the institution through its long-term business plans and annual budgets?	<p>Before starting the project SWOT analysis was conducted with Student, Faculty members, HOD and Principal.</p> <p>Based on the SWOT analysis draft institutional development plan was finalized. Draft IDP was placed in BoG and got improved and finalized in 2012-13.</p> <p>For 2013-14 again IDP was revised in BoG and got approved in BoG.</p> <p>IDP for the period of Jan 2015 to Dec 2016 is submitted and approved in 11th BOG.</p> <p>Revised IDP (upto Dec 2016) and Vision IDP 2020 is approved in 12th BOG.</p> <p>State budget, TEQIP procurement, Faculty and staff training activities and all other academic activities are planned and placed before BoG for discussion and got approved.</p>
Has the Governing Body ensured the establishment and monitoring of proper, effective and efficient systems of control and accountability to ensure Financial sustainability (including Financial and Operational controls, risk assessment and management clear procedures. For Managerial and physical human resources)	<p>Yes.</p> <p>All the subcommittee decisions are placed in BoG for approval and process.</p> <p>The activities of institution are monitored by the BoG; on every BoG meeting an action taken report is placed based on the previous minutes.</p>

<p>Is the Governing Body monitoring institutional performance and quality assurance arrangements? Are these benchmarked against other institutions (including accreditation, and alignment with national and international quality assurance systems) to show that they are broadly keeping pace with the institutions they would regard as their peers or competitors to ensure and enhance Institutional reputation?</p>	<p>BoG is informed in each meeting about;</p> <ol style="list-style-type: none"> 1. Academic Results and transition rate. 2. External funding obtained from other research agencies. 3. Testing and consultancy services and IRG generated. 4. Training programmes for faculty, technical staff, and students. 5. Industry need based training for students and industry projects taken by the students. 6. Comparing the output with top institutions based on Anna University results in each semester. 7. Adopting the best practice in the leading institutions. 8. In every BoG meeting, action taken report placed based on previous BoG meeting minutes. 9. Mentor's report & Performance Auditor's report is placed in BoG. 10. SPFU review report approved by Commissioner of technical education is placed in BoG
<p>Has the Governing Body put in place suitable arrangements for monitoring the head of the institution's performance?</p>	<p>Yes. Monitoring is based on completion of BoG agenda. Mentor's report on the performance of Head of Institution is given to BoG chairman after every visit. BoG Chairman will record the action taken report of the previous BoG minutes in every meeting.</p>
INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
B OPENNESS & TRANSPARENCY IN THE OPERATION OF GOVERNING BODIES	
SELF-REVIEW QUESTIONS	ASSESSMENT
<p>Does the Governing Body publish an annual report on Institutional performance?</p>	<p>Yes. Annual report is published for 2012-13& 2013-14 and approved by BoG.</p>
<p>Does the Governing Body maintain, and publicly disclose, a register of interests of members of its governing body?</p>	<p>Yes. Every time members are asked to record their feedback about the meeting in the visitor's register</p>
<p>Is the Governing Body conducted in an open a manner, and does it provide as much information as possible to students, faculty, the general public and potential employers on all aspects of institutional activity related to academic Performance, finance and Management?</p>	<p>Yes. After the meeting the minutes of the meeting is circulated to the departments and the same is published in the web site.</p>



INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
C KEY ATTRIBUTES OF GOVERNING BODIES	
SELF-REVIEW QUESTIONS	ASSESSMENT
Are the size, skills, competences and experiences of the Governing Body, such that it is able to carry out its primary accountabilities Effectively and efficiently, and ensure the confidence of its Stake holders and constituents?	Yes. BoG is constituted as per NPIU guidelines and approved by State Government. BoG Chairman has evaluated the expertise and competencies of BoG members.
Are the recruitment processes and procedures for governing body members rigorous and transparent? Does the Governing Body have actively involved independent members and is the institution free from direct political interference to ensure academic freedom and focus on long- term educational objectives?	BoG does not have any member with political influence and its constitution is based on NPIU guidelines. The appointment of BoG member and Chairman is transparent.
Are the role and responsibilities of the Chair of the Governing Body, the Head of the Institution and the Member Secretary serving the governing body clearly stated?	Yes
Does the Governing Body meet regularly? Is there clear evidence that members of the governing body attend regularly and participate actively?	The project started in July 2012 and till DEC-2014 11 times BoG meetings were conducted and the minutes of the meeting were published in the institution web site.
INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
D- EFFECTIVENESS AND PERFORMANCE REVIEW OF GOVERNING BODIES	
SELF-REVIEW QUESTIONS	ASSESSMENT
Does the Governing Body keep their effectiveness under regular review and in reviewing its performance reflects on the performance of the institution as a whole in meeting its long- term strategic objectives and its short-term indicators of performance/ success?	In every meeting the action taken report on previous BoG minutes is discussed to ensure the complete implementation of BoG decisions. The BoG reviews and makes suitable suggestions for further development. In the BoG meeting as the last agenda BoG itself making the assessment in the institutional governance template.
Does the Governing Body ensure that new members are properly inducted, and existing members receive opportunities for further development as deemed necessary?	Being Govt. institution, academic members from the college get transferred. New members are appointed replacing the transferred faculty members in the immediate next BoG meetings itself. The appointments of new BoG members are subjected to the approval of the committee.
INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
E – REGULATORY COMPLIANCE	
SELF-REVIEW QUESTIONS	ASSESSMENT
Does the Governing Body ensure regulatory compliance* and, subject to this, take all final decisions on matter of fundamental concern to the institution.	Yes. Based on TEQIP guidelines – PIP and State Govt. Policy

Does the regulatory compliance include demonstrating compliance with the 'not-for-profit' purpose of education institutions	Yes. As per State Govt. Policy
Have there been accreditation and/or external quality assurance by a national or professional body? If so, give details: name, status of current accreditation etc.	Already applied for NBA Accreditation, e-SAR was submitted and expecting the visit of Accreditation team before May 2015

Approved

The meeting came to end by 5.00 PM. The Principal (i/c) thanked all the Members.

- 1 Mr. K. Murugan,
Chief Operating Officer,
NHK.F. Krishna India Automotive
Seating Pvt. Ltd, Plot No: 44, SIPCOT
Industrial Part, Oragadam
Sriperumpudhur Tk, Kanchipuram DT
Mobile: 7598221823


Chairman-BOG,
- 2 Dr.K.Sundaramoorthy,
Additional Director (Exams),
Directorate of Technical Education,
Chennai-600 025.

Representative of DOTE
- BOG Member
- 3 Mr. P. Thanikachalam,
Managing Partner of Ideal
Foundations& NHAJ Consultant,
A10, Jayanagar, TNHB Colony,
Kannagkurich Main Road,
Salem- 636 008.
Mobile: 9486358872

Representative from
Industry
- BOG Member
- 4 Dr. S. Marshal Anthoni,
Associate Professor,
Department of Mathematics,
Anna University Regional Centre,
Coimbatore- 641 047
Mobile: 9894207162.
Nominee of University
- BOG Member
Expressed his inability to
attend
- 5 Dr. P. K. Jayadev,
Principal (Retd),
Govt. College of Engineering,
Salem-636 011
Mobile: 9443056469

Eminent Educationalist
- BOG Member

6 Mr.K. Arumugam,
FA & CAO ,
Directorate of Technical Education,
Chennai-600 025,
Mobile: 9444498508


Nominee from finance
wing of DOTE -BOG
Member


7 Prof. K. Subathra,
Principal (i/c),
Govt College of Engineering,
Bargur, Krishnagiri-635 104.


Principal(i/c) &
BOG Member

8 Dr. V. Thirunavukkarasu,
Asso. Prof / ECE,
Govt College of Engineering,
Bargur, Krishnagiri-635 104.


TEQIP Nodal Officer
- BOG Member

9 Prof.P.Thirumal,
Asst. Professor (Sr.Gr)/Mechanical,
Govt College of Engineering,
Bargur, Krishnagiri-635 104.


Academic Nodal Officer
/TEQIP (Representative
from Senior teaching
Staff) - BOG Member