TEQIP – II

14th BOG MEETING

Govt. College of Engineering, Bargur

Date: 31.03.2016

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR - 635104,

KRISHNAGIRI.

MINUTES OF FOURTEEN BOG MEETING

The **14th BOG Meeting** was held on **31-03-2016** at GCE, Bargur.

Following members attended the meeting:

1	Mr. K. Murugan, COO 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, Channai-600 025, Mobile: 9444498508	Nominee from finance wing of DOTE -BOG Member

7	Prof. K. Subathra, Principal, Govt College of Engineering, Bargur, Krishnagiri-635 104.	Principal & BOG Member
8	Dr. V. Thirunavukkarasu, Asso. Prof / ECE, Govt College of Engineering, Bargur, Krishnagiri-635 104.	TEQIP Nodal Officer - BOG Member
9	Dr.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 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 2016 – 54 in all departments conducted inside institution
- FDP up to Feb 2016 – 169 in all departments (attended outside institution)
- SDP up to Feb 2016 – 14 in all departments conducted inside institution
- SDP up to Feb 2016 – 9 in all departments (attended outside institution)
- Student Training Programme up to Feb 2016 - 162 in all departments
- Internal revenue Generated upto Feb 2016
  - Mechanical - Rs. 180450
  - Chemistry - Rs. 46800
  - EEE - Rs. 24,800
  - CSE - Rs. 16,550
- Prof. J. Nafeesa Begum and Prof.P.Thirumal got Ph.d; at present all the faculty (21 Faculty) of GCE Bargur have registered for their Ph.d

Placement 2015-16

Academic Year	Number of Placements	Avg. Salary Package
2015-16	24	3 Lakhs per annum

Result Analysis (Nov / Dec 2015)

Department	Year / Semester			
	I / 1st Sem	II / 3rd Sem	III / 5th Sem	IV / 7th Sem
EEE	91.66%	73.40%	62.02%	94.44%
ECE	82.60%	64.41%	60.00%	94.00%
CSE	89.28%	54.83%	73.77%	85.50%
Mechanical	58.30%	60.71%	62.32%	82.35%

Agenda: 14.1

Resolved to approve the **13th BOG** meeting agenda and Minutes.

Approved

Agenda: 14.2 Accreditation

Accreditation was completed for EEE, ECE and CSE Branches. **Two Year Accreditation was given. Mechanical Engineering Branch submitted their e-SAR**.

Ratified

Agenda: 14.3 Academic Support given for this Semester - July 15 to Dec 15

Department	Name of the Subject	Year	Pass Percentage Passed /Appeared
EEE	1.Digital Logic Circuits	II/3	56/65 =86.15%
EEE	2.Electromagnetic Theory	II/3	58/65 =89.23%
EEE	3.Power System Analysis	III/5	52/56 =92.85%
CSE	4.Computer programming	I/I ECE	46/46 = 100%

Ratified

Agenda: 14.4 Block Grant status Granted from Apr 2015:

Block grant status is granted to GCE Bargur from Apr 2015 vide G.O (Ms)No:88 Dt: 29-04-2015 and an amount of Rs 10,06,50,000 (Ten crores six lakhs fifty thousand) is sanctioned . 1st installment of Rs 2,51,62,000/- 2ndInstallment of Rs. 2,51,62,000/-, 3rd Installment of Rs. 1,03,33,000/- and 4th Installment of Rs. 1,03,33,000/- are released.

Final Modified Appropriation (FMA) as given below (Salary Items and Non Salary Items:

FORMAT - I

SALARY ITEMS

(01 SALARIES, 02WAGES, 03 DEARNESS ALLOWANCES, 79 Salary Grant)

RS. IN THOUSAND

SI NO	Head of Account (Up to Sup - Detailed Head)	BE 2015-2016 (Re allocated)	RE 2015-2016 (Proposed)	FMA Proposed 2015 – 2016	Increase	Decrease	Reason
1	01 01 Pay	22500	40000	20000			
2	02 MA	100	150	50			
3	03 MC	15	30	15			
4	04 OA	75	125	60			
5	06 HRA	1000	1000	625			
6	07 TC	24	25	25			
7	02 Wages	1	30	1			
8	03 01 DA	28618	40000	25000			
	Total	**52333**	**81360**	**45776**			

RS. IN THOUSAND

SI NO	Head of Account (Up to Sup - Detailed Head)	BE 2015-2016 (Reallocated)	RE 2015-2016 (Proposed)	FMA Proposed 2015 - 2016	Reason
1	04 01 Tour TA	50	70	50	
2	02 Tr.TA	50	50	25	
3	05 01 TC	10	10	10	
4	02 OC	320	200	320	
5	03 Electricity charges	4500	4500	3700	
6	04 SP&PE	2	2	1	
7	06 03WaterCharges	1000	1000	700	
8	08 01 Advt.Charges	50	100	50	
9	13Hospitality charges	2	2	1	
10	1903 M&E Maintenance	1030	1030	650	
11	21MV 02Maintenance	50	50	50	
12	24 M & S	7	7	1	
13	33 02 Remuneration	2485	2500	1800	

Sl NO	Head of Account (Up to Sup - Detailed Head)	BE 2015-2016 (Reallocated)	RE 2015-2016 (Proposed)	FMA Proposed 2015 - 2016	Reason
14	45 POL	150	200	50	
15	47 01 S & E	1750	1000	1750	
16	49 01 FA Debit	300	300	110	
17	49 02 FA Credit (-)	0		40	
18	54 Expenses Conducted Tour	1	1	1	
19	59 P & A	10	10	6	
20	66 Medicines	30	30	15	
21	0502 Other Contingency	40	50	40	
22	1901 Purchase	21600	17625	17000	
23	68 Cost of Books Non Plan AF	2200	2200	2200	
24	68 Cost of Books AH	45	45	45	
25	69 Cost of Books JP	40	50	40	
26	76 C&A 01 Purechase	12495	17000	11550	
27	76 C&A 02 Maintenance	50	60	50	
28	76 C&A 03 Stationary	50	100	50	
	Total	**48317**	**48192**	**40305**	

Budget allotment for each branch is given below:

MECH:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
1	19 M&E 01 Purchase	3D Printer with Power Backup	193725	
		CCTV Camera and Accessories	147473	
		Fluidized Bed dryer	162750	
		CRDI Injector	91371	
		Crank Angle Encoder	60685	
		Engine Analysis Combustion analysis Kit	452275	
		Combustion pressure sensor	285105	
		Data Acquisition system	561050	
		Automatic steam boiler	988593	
		Mini Steam turbine	992486	
		5 axis Robot	577500	
		Solar Thermal Accessories	187320	**47,00,333**
2	76 Computer & Accessories	Computers - 20 Nos.	961086	
		ANSYS	996625	
		CADEM	981750	**29,39,461**
3	19 M&E 03 Maintenance	AC Maintanance	49750	
		FM Lab Maintanance	49800	
		MT Lab Maintanance	49600	
		SM Lab Maintance	37800	
		AC Maintanance	49750	
		FM Lab Maintanance	49800	
		MT Lab Maintanance	49600	
		SM Lab Maintance	37800	**1,86,950**
4	47 S& E	Consumables	130032	
		Tools	97860	**2,27,892**
			TOTAL	**8054636**

CSE:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
1.	19 M&E 01 Purchase	10 KVA UPS - 2 Nos unit alone	199500	
		Batteries with Buy Back 199840 -26400	173440	
		Split AC with stabilizer stand and installation – 5 nos- 1.5 tonne	199500	
		Split AC with stabilizer stand and installation – 4 nos- 2 tonne	199815	
		Microprocessor Interface Cards	61110	
		8086 Trainer Kits	196875	
		Internet Security Device	199000	
		Internet filters and Hardware	199750	
		Lab Air circulator	77800	
		Cameras 16 Nos	80640	
		10 KVA ups	199800	
		Lab Footwear Stand and Seminar Hall Table	97500	
		LCD Projector	65900	**19,50,630**

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
2	76 Computer & Accessories	HP Laser Jet Printer	66500	
		ACER i7 Computers-50	2698552	
		HP ML 320 server	82205	
		HP ML 310 G	74587	
		Laptop –i7	79275	**30,01,119**
3	19 M&E 03 Maintenance	AMC – KM 1635 1 year	8989	
		AC servicing	17400	
		Servicing of Scanners / Printer	20000	**46,389**
4	47 S& E	SMPS, RAM,Mouse , VGA	99225	
		Cables , Camera sockets	97346	
		Items for RO Servicing	10100	
		Window Lids	97200	
		Spares for Old ACs	13500	
		Electrical Items for UPS wiring	50715	
		Cartridge toner	15500	
		Antivirus Software	142000	
		Head Phones	18375	
		Electrical Items for UPS	15310	**5,59,271**
			TOTAL	**55,57,409**

EEE:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
1.	19 M&E 01 Purchase	3Phase Auto Transformer ,440V/(0-470)V,15A	102375	
		1Phase Auto Transformer, 230V/(0-270)V ,15A	21525	
		Analog Spring balance (0-100 Kg)	50400	
		1Phase Loading Rheostat, 5.0KVA,230V, (0-20A)	56070	
		3Phase Loading Rheostats, 5.25KVA,440V, (0-20A)	74340	
		2 Point Starter 220V,20A,5HP	7980	
		3 Point Starter 220V,20A,5HP	19950	
		3 Point Starter 220V,20A,5HP	12285	
		Earth Resistance Tester	258825	
		Trainer Kits	172725	
		Trainer Kits	182577	
		Three Phase Synchronous Motor 5HP, 415V, 10A, 1500rpm	107100	
		Single phase induction motor 3HP,240V,20A,1440rpm	56175	
		DC compound generator coupled with compound motor Generator:5.6KW,220V, 20A, 1500rpm Motor:10HP,220V,20A,1500rpm	195300	

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
		DC compound motor with starter 5HP,220V,21A,1500rpm	99225	
		DC series motor With starter 5HP,220V,21A,1500rpm	99225	
		Three Phase salient pole alternator coupled with DC shunt motor Generator:6KW,415V,10A,1500rpm Motor:10HP,220V,30A, 1500rpm	197400	
		Single phase energy meter-230V,10A, 1400 rev/kwh	4200	
		Three phase energy meter-415V,20A, 1400 rev/kwh	10290	
		LPF wattmeter-multi range: Voltage:300V,600V,Current:5A,10A	34125	
		Inductive Load-415V,10A	96075	
		Three phase Power factor meter-600V,10A	26775	
		Rotor resistance starter- For 5 HP, 415V, 10A Slip Ring Induction motor	25200	**19,10,142**
2	76 Computer & Accessories	Desktop Computers i5	1441629	
		Circuit Capture Software	179350	
		PCB Editor Software	179350	
		PSPICE Software	179350	
		Advance Analysis Software	179350	
		Signal Integrity Software	179350	
		I7 Computers	1079421	
		Network Printer & Scanner	175900	**35,93,700**
3	19 M&E 03 Maintenance	RO repair	6900	
		DC Power supply for Machines Lab	9490	
		Consumables-Electronics	54023	
		Electrical Consumables for ATM	70326	
		Printer Tonners	75942	**2,16,681**
4	47 S& E	Furniture	44100	**44,100**
			TOTAL	**5764623**

ECE:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
		Desktop Computer with i3	1,99,093	
		Desktop Computer with i5	1,97,884	
		Desktop Computer with AMD A6	1,97,542	
		Desktop Computer with AMD A10	1,99,610	
		50MHz DSO – 6 Nos.	1,95,930	
		30 MHz DSO – 7 Nos.	1,89,998	
		TMS 320C5416 based DSP Trainer Kits	1,98,450	
		TMS 320C6713 based DSP Trainer Kits	1,98,450	
		Robotics Trainer Kits	1,99,500	
1	19 M&E 01 Purchase	LAN module	1,94,670	
		Switchable Oscilloscope Probe	1,87,425	
		Multimedia Head set	36,000	
		Embedded System	1,99,500	
		Wireless Sensor Network trainer using ARM7	1,99,500	
		VLSI- FPGA based Trainer Kits	1,96,350	
		PA System for seminar hall	1,98,275	
		PA System for Class rooms	1,98,800	
		Wi Fi enabled Printer	1,750,24	
		DSC Development Hardware for Advanced Applications	1,96,875	
		Micro Cortex-M3 Based Embedded Application Development System	1,99,500	
		5Mhz Arbitary Function Generator	1,97,400	
		100Mhz Digital Storage Oscilloscope	1,98,978	
		AC/DC Clamp On Power Debugger Kit	1,87,425	
		Multy Channel DC Power supply	2,00,000	
		Electronic Equipment Cabinets	1,99,600	
		Instrument Supporter with Desktop Computer Cabinet &Chairs	1,92,400	
		Electronic Equipment Supporting Workbench with Chairs	1,86,375	
		CCTV camera and security system	2,00,000	**68,12,009**

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
		CCTV camera and security system	4,00,000	
		Wireless Sensor Network Development Kits	1,98,660	
		100MHz Oscilloscope	1,94,250	
		DC Power Supply	1,86,375	
		Storage Cobinet	1,28,150	
		Function Generator	1,86,386	
		Function Generator	1,72,778	
		Instrument Storage Cabinet	1,99,880	
2	76 Computer & Accessories	Netsim Software	3,96,285	
		Back End Tools for Analog IC Design	1,99,184	
		Simulator for front end analog IC design	1,98,762	
		Front end tools for digital IC design	1,99,395	
		Front end tools for analog IC design	1,99,395	
		Encounter Digital Implementation	1,99,184	
		Desktop Computer Core i7 windows Operating system	1,61,913	
		Desktop Computer Core i7 Linux Operating system	1,50,888	**17,05,006**
3	19 M&E 03 Maintenance	KM1620 Digital Copier maintenance	68,989	
		2500i Digital Copier maintenance	13,484	
		Servicing of Desktop machines	45,000	**1,27,473**
4	47 S& E	Consumables	88,410	
		Anti virus	1,74,240	
		Electronic Components	1,85,200	
		Printer Toners	53,907	
		Key boards & optical Mousses	42,000	
		Consumables	16,000	**5,59,757**
			TOTAL	**90,04,365**

Science & Humanities:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
1	19 M&E 01 Purchase	**Chemistry Dept**		
		BOD Apparatus	199500	
		BOD Accessories	179393	
		COD Apparatus	105000	
		Physics Dept		
		Travelling Microscope, High quality Screw gauge, Digital stop watch	1,94,565	
		FTIR Spectrometer basic Equipment	4,80,213	
		FTIR Spectrometer – Complete Accessories	4,72,445	
		UV-VIS Spectrometer	1,97,803	
		Data processing unit for UV-vis spectrophotometer	1,97,169	
		5 KVA UPS	1,99,500	
		Lab Equipment : Laboratory Vertical Auto clear, Digital PH meter,, Portal Suction Pump, Magnetic Stirrer with Hard Plat, Cam Corder	1,75,700	
		Stationery Tools : Spiral binding Machine, Heavy duty stapler, Heavy duty double punching machine, Thermal Laminator	22,600	
		1.5 ton AC	1,10,880	
		Vertical Window Lid	54,000	
		FTIR Transmittance Module Pellet Making Machine	1,99,000	**27,87,768**
2	76 Computer & Accessories	**Physics Dept :**		
		Desktop computer- 2 Nos i-7 configuration	116000	**1,16,000**
3	19 M&E 03 Maintenance	**Chemistry Dept :**		
		RO, Distilled water Plant Service	18,113	
		Distilled water Plant Heating element		
		BOD incubator Service	37,118	
		Physics Dept :		
		High temperature tube furnace service, RO repair work(Service), Cool water circulator service Travelling microscope service	19950	
		Desktop Computer – Mother Board Servicing	11500	**86681**

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
4	47 S& E	**Chemistry Dept :**		
		Glassware & Apparatus	56595	
		Glassware & Apparatus	89840	
		Physics Dept :		
		Air wedge experiment-consumables Ultrasonic interferometer experiment related chemicals Wooden extension box for power supply Laboratory consumables (Waste cloth, hand wash liquid, Block cloth, etc.)	22470	
		AC & UPS wiring consumables	70298	**239203**
			TOTAL	**32,29,652**

Civil:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
1.	19 M&E 01 Purchase	Minor Loss Test rig	50,000	**1,95,000**
		Multi Stage Centrifugal Pump Test	75,000	
		Fum Test Rig	70,000	
2	19 M&E 03 Maintenance	Concrete Lab Maintenance	30,000	**30,000**
			TOTAL	**2,25,000**

Library:

S.No	Head of A/C	List of items required	Amount in Rs	Total requirement
1	19 M&E 01 Purchase	Visitors Cushion Chair & Teapoy	1,54,560	4,54,309
		Visitors Cushion Sofa set	1,81,650	
		Door Mats & Carpets	17,099	
		White Board & Notice Board	1,01,000	
2	68 Cost of Books Purchase AF	Online & Hard Copy Journals Subscription (As per AICTE Requirements) IEEE, IETE, ASME, ACM,	15,04,320	34,99,701
		Books & Journals	19,95,381	
3	68 Cost of Books	Books & Journals	35,000	**35,000**
			TOTAL	**39,89,010**

Ratified

Agenda: 14.5

Institute is recognized as Business incubator /Host institution for implementation of the scheme " Support for entrepreneurial and managerial development of SMES thro' incubator by MSME New Delhi .

Local management committee is constituted to finalise the proposals submitted by departments.

Local management committee members are:

Sl. No	Members as per MSME Norms	Members Proposed
1	Executive Head of the BUSINESS INCUBATOR (Ex-officio Chairperson)	**Prof. K. Subathra,** Principal, GCE, Bargur.
2	One representative of Office of the DC(MSME)	**Mr.S.Satheesh Kumar**,Deputy Director(ELEX), MSME-DI,Chennai
3	One representative of the industry/industry association	**Mr.N.Srinivasan,** Director, Pantech Group of Companies, Chennai.
4	One representative of the financial institutions	**Manager, City Union Bank**, Bargur Branch.
5	One representative from the academic community of the HOST INSTITUTION	**Dr.P.Thirumal,** AP/Mech, GCE,Bargur
6	One R&D expert (Member)	**Dr.Cyril Prasanna Raj P,** Dean (R&D), Professor/ECE, MS Engg.College, Bangalore.
7	BUSINESS INCUBATOR Manager (Member-Secretary)	**Dr. J. Nafeesa Begum,** HOD/CSE, GCE, Bargur.

21 proposals were presented before the committee on 18-03-2016. 10 Proposals were selected by the members for presentation to MSME and the proposals were sent to MSME Delhi for fund sanction on 21-03-2016

Proposals approved and sent to MSME Delhi are:

S.No	Title of Project Proposal	Comments / Suggestion	Budget (in Lakhs)	Recommended For Business Incubation
1.	Solar Powered DC Mixie (EEE)	Design of the mixie should be mentioned.	4.05	Yes
2.	LAP-PRO (CSE)	To improve the resolution similar to the regular projector	1.75	Yes
3.	Intelligent In House Power Smoother (Peak Load Preventer) (ECE)	The proposed idea is highly appreciated by R&D Expert member.	4.25	Yes
4.	Laptop Heat Management using peltier effect and LED Light control by mobile Bluetooth. (CSE)	The proposed idea is appreciated by R&D Expert member	0.14	No

S.No	Title of Project Proposal	Comments / Suggestion	Budget (in Lakhs)	Recommended For Business Incubation
5.	Controlling Fan using Smart Android device via Bluetooth (CSE)	The proposed idea is appreciated by R&D Expert member	3.85	Yes
6.	Laptop inbuilt with Scanner (CSE)	Focus on Coding Part	2.92	No
7.	Breath Safe (CSE)	Minimize the Product Cost	4.35	Yes
8.	Solar inbuilt Mobile Charger (EEE)	Charging time can be minimise	3.00	No
9.	Universal Inductive Charger for Home Appliances and Electrical vehicle (EEE)	Do it for specific application like charging multiple phones simultaneously	3.5	Yes
10.	Avoidance of Excessive current in 2phase supply by using GSM (EEE)	Need some more technical information	4.00	No
11.	Microdust Network for tactical border surveillance (EEE)	To include technology of detect the wood smuggling.	2.00	No
12.	Smart Grid Based prepaid Smart Metering System (EEE)	Work Should be combined with mobile application to indication the power consumption on daily basis & Power theft	3.02	No
13.	Solar based insect killing Sprayer System (EEE)	Advised that keep the solar panel in common place	3.00	Yes
14.	Stock Management by Android Application (Mech)	Differentiation of Load Sensor, Combine with IoT	5.05	Yes
15.	Mechanical Anti-Lock Braking System (Mech)	The proposed idea is appreciated by R&D Expert member	1.00	Yes
16.	Surface Flooring Machine (Mech)	The proposed idea is appreciated by R&D Expert member	2.40	Yes
17.	Smart Energy Meter (ECE)	Improvement Needed	3.20	No
18.	Treebot (ECE)	Improvement Needed	2.70	No
19..	Flood Alert System Using Sensor Network (ECE)	Improvement Needed	1.50	No
20.	Wall Follower and Painting Robot (ECE)	Improvement Needed	3.60	No
21.	Design and Fabrication of Secure Vehicle Transportation System (ECE)	Improvement Needed	3.00	No

Honorarium for local management committee members is given below:

- ✓ Rs. 3000/- per sitting
- ✓ TA & DA as per TEQIP –II norms

Ratified

Agenda: 14.6 Patent Cell

Patent Cell is constituted to guide for patent and to finalise the patent proposals submitted by departments.

Patent Cell members are

1. **Dr. U. Chandresekar,** Addl. Director (Rtd), GTRE, DRDO - SRA GCE, Bargur
2. Dr.Cyril Prasanna Raj P, Dean (R&D), Professor/ECE, MS Engg.College, Bangalore
3. Prof. K. Subathra, Principal, GCE Bargur
4. Dr.J.Nafeesa Begaum HoD CSE
5. Dr. P. Thirumal, AP / Mech

Out of 10 proposals presented to EDC/BI 6 were selected on the spot for patenting. "HOW TO PATENT" workshop will be held on 2nd week of April and the six projects will be made ready for patenting by the end of April 2016.

S.No	Title of Project Proposal	Comments / Suggestion	Budget (in Lakhs)	Recommended for Patent
1.	Intelligent In House Power Smoother (Peak Load Preventer) (ECE)	The proposed idea is highly appreciated by R&D Expert member.	4.25	Yes
2.	Breath Safe (CSE)	Minimize the Product Cost	4.35	Yes
3.	Solar based insect killing Sprayer System (EEE)	Advised that keep the solar panel in common place	3.00	Yes
4.	Stock Management by Android Application (Mech)	Differentiation of Load Sensor, Combine with IoT	5.05	Yes
5.	Mechanical Anti-Lock Braking System (Mech)	The proposed idea is appreciated by R&D Expert member	1.00	Yes
6.	Surface Flooring Machine (Mech)	The proposed idea is appreciated by R&D Expert member	2.40	Yes

Honorarium for Patent cell members is given below:

- ✓ Rs. 3000/- per sitting
- ✓ TA & DA as per TEQIP –II norms

Ratified

Agenda: 14.7 ATM constructed by City Union Bank:

GCE,Bargur thank City Union Bank for constructing an ATM center in GCE Bargur at their own cost which is functioning from Feb 2016

Ratified

Agenda 14.8 National level Technical Symposium conducted in all departments:

National level Technical symposium conducted in all departments

Sl. No	Department	Date
1.	CSE	17.09.2015 & 18.09.2015
2.	ECE	22.09.2015 & 23.09.2015
3.	EEE	15.09.2015 & 16.09.2015
4.	Mech	08.09.2015 & 09.09.2015

Ratified

Agenda 14.9 Training programmes attended outside Institution during August 2015 to Feb 2016.

Sl. No	Title of the Programme	Date	Participants	Place
1	Hands on training on "LED fabrication"	17.08.2015 to 21.08.2015	Prof.M.Elangovan(ECE)	IIT , Bombay
2	Workshop on "Big Data and Cloud Tools"		Prof. B. Sivaranjini,CSE	MIT Campus, Anna University, Chrompet
3	16th Selection Committee Meeting under the Scheme" Support for Entrepreneurial and Managerial Development of SMEs through Incubators"	12.8.2015	Prof.CMT.Karthikeyan (CSE)	MSME,Nirman Bhawan, New Delhi
4	Sponsored Research Programme	10.09.2015 to 12.09.2015	Prof.P.E.Irin Dorathy(ECE) Prof.M.Elangovan (ECE) Prof.K.Manogaran (ECE) Prof.M.Arulkumar,ECE Prof.Bhavani (EEE) Prof.R.Sudha(EEE) Prof.V.Arivumani,EEE Dr.I.Thangaraju,EEE Prof.N.Jagadeeswari(CSE) Dr.G.Saraswathy(Chem) Prof.S.Selvi(CSE) Prof. B. Sivaranjini,CSE Prof.C.Satheesh Pandian Dr.I.Rahamathullah(MEch Prof.D.Kulanthaivel,Mech Prof.P.Natarajan(Mech)	Organized by ESCI at The Institute of Engineers, Chennai.
5	2nd International Conference on Emerging Technologies: Micro to Nano (ETMN2015)	24.10.2015 to 25.10.2015	Prof.R.Sudha(EEE)	Jaipur
6	Latex Programming	05.10.2015 to 09.10.2015	Prof.T.Govindan (Maths)	NITTTR, Chandigarh
7	CII Panel Discussion on " frugal Innovation "	19.10.2015	Dr.J.NafeesaBegum (CSE)	ITC Grand Chola ,Chennai.
8	Security Challenges in IoT (As Resource Person)	09.12.2015	Dr.J.NafeesaBegum(CSE)	GCE, Salem
9	One day FDP on "IBM - Bluemix",	15-12-2015	Prof.N.Jagadeeswari(CSE)	Sona College of Technology, Salem GCE, Salem

Sl. No	Title of the Programme	Date	Participants	Place
10	Innovative Project Presentation	06.01.2016	Dr.J.NafeesaBegum(CSE) Prof.C.Satheesh Pandian(CSE) Prof.R.Bakkiyaraj(phy)	DOTE, Chennai
11	Two days workshop on "Mathematical Modeling in Engineering and Technology"	22.01.2016 to 23.01.2016	Prof.P.Natarajan(Mech) Prof.S.AnanthaKumar(Mech) Prof.S.Sankar Ganesh(Mech)	Conducted by Bannari Amman Institute of Technology, Sathyamangalam
12	Seminar on Special Interest group in Micro-Air Vehicle	**02.02.2016**	Dr.J.NafeesaBegum(CSE)	DRDO, Bangalore
13	National Science Symposium	09.02.2016 to 12.06.2012	Prof.R.Bakkiyaraj(phy)	Vikram Sarabhai Space Centre,Trivandrum
14	Future Trends in Computer Science(As Resource person)	16.02.2016	Dr.J.NafeesaBegum(CSE)	Islamic Womens College, Vaniambadi
15	ICT Academy of Tamilnadu Bridge 2016 Conference	24.02.2016	Dr.J.NafeesaBegum(CSE)	Chennai Trade Centre, Chennai
16	Workshop on Android Applications	26.02.2016	Prof.CMT.Karthikeyan(CSE) Prof.N.Jagadeeswari(CSE)	Sacred Heart college, Tirupattur
17	CII Panel Discussion on " frugal Innovation "	19.10.2015	Dr.J.NafeesaBegum(CSE)	ITC Grand Chola ,Chennai.
18	Security Challenges in IoT (As Resource Person)	09.12.2015	Dr.J.NafeesaBegum(CSE)	GCE, Salem
19	AICTE sponsored five days short term course on "Advanced IC Engine Technologies 2015"	31.08.2015 to 04.09.2015	Prof.S.AnanthaKumar(Mech)	Conducted by Department of Mechanical engineering, IIT Madras
20	Train the Trainers Programme on FSIPD	27.09.2015 to 01.10.2015	Prof.CMT.Karthikeyan(CSE) Prof.Sudha(EEE) Prof.P.Natarajan(Mech)	CEG, Anna University, Chennai

Sl. No	Title of the Programme	Date	Participants	Place
21	Programme on "Further Education Leadership Development Programme	05.10.2015 4 to 07.10.2015	Dr.V.Thirunavukkarasu	NITTTR, Chennai Organized by the UK-India Education and Research
22	Launch of Employability	01.12.2015	Prof.M.Elangovan(ECE)	Bangalore
23	" Symposium On Teaching Learning In Higher Technical Education	22.01.2016 to 23.01.2016	Dr.J.NafeesaBegum(CSE) Prof.S.Selvi(CSE)	IIT, Madras
24	Three days FDP on Learning Improvement Techniques	28.01.2016 to 30.01.2016	Dr.V.Thirunavukkarasu(ECE) Dr.I.Rahamathullah(Mech) Prof.T.Govindan(Maths)	IIT, Madras
25	FDP on Learning Improvements Techniques	28.01.2016 to 30.01.2016	Dr.I.Rahamathullah(Mech) Prof.T.Govindan(Maths)	Organized by TLC, IIT Madras
26	Two Days "Capacity Building Programme on Business Incubation"	03.12.2015 to 04.12.2015	Prof.CMT.Karthikeyan(CSE)	Organized by PSG-STEP, Coimbatore and EDI,
26	Business Incubator Training	07.01.2016 to 08.01.2016	Prof.CMT.Karthikeyan(CSE)	VIT,Vellore
28	Business Incubator Training	04.02.2016 to 05.02.2016	Prof.CMT.Karthikeyan(CSE)	IIM,Bangalore

Student Training Programmes conducted during August 2015 – Feb 2016

Dept	Name of the Programme	Co-ordinator	Year	Total No of Beneficiaries
ECE	Hands on training on laboratory Equipment 03.09.2015	Dr.M.Chandrasekaran	II	59
CSE	Basic Demonstration of Computer Hardwares and Hands on Training in Microsoft Office Tools and Techniques 28-08-15 & 29-08-15	Prof.S.Selvi	I	55
CSE	Basics of Computer and Hands on Training in Microsoft Office Automation 04-09-15 &05-09-15	Prof.S.Selvi	I Mech	48

Dept	Name of the Programme	Co-ordinator	Year	Total No of Beneficiaries
CSE	Career Development Training 11-08-2015 to 14-08-2018	Prof.N.Jagadeeswari	IV	70
CSE	Placement training on java 05.09.2015	Prof.N.Jagadeeswari	IV	70
EEE	Hands on training in MATLAB Programming 04-09-15 & 06-09-15	Bhavani.M	III	58
EEE	German Language for Engineers 16.8.2015 to 22.08.2015	Prof.R.Sudha	II	65
Mech	Computer Aided Drafting using CREO 3.0 01.08.2015 to 02.08.2015	S.Sankar Ganesh	II	60
Mech	Recent trends in heat and mass Transfer 31.07.2015 to 01.08.2015	S.Ananthakumar	III	66
Mech	CNC Programming, Simulation and Operation 07.08.2015 to 08.08.2015	Dr. I. Rahamathullah	III	68
Mech	Intensive Training Program on C 10.08.2015 to 14.08.2015	D.Kulandaivel	IV	69
Mech	Japanese Language for Engineers 17.08.2015 to 22.08.2015	D.Kulandaivel	IV	69
Mech	Total Quality Management Implementation in Automotive Industries 15.09.2015 to 16.09.2015	Dr. I.Rahamathullah	IV	68
Chem	Hands on training in Analytical Techniques 09.09.2015	Dr.G.Saraswathy	I	46
All Depts	Aptitude Training 29.07.15 to 31.07.15 (ECE,EEE) & 05.08.15 to 07.08..15(CSE,Mech)	Prof.M.Elangovan	IV	276
CSE ECE	Aricent Employability programme Duration : 6 months From 09.12.2015	Prof.M.Elangovan (ECE)	IV	97

Ratified

Agenda. 14.10 2f certificate got from UGC and autonomy visit is pending:

2f certificate is got and sent to UGC. A committee is constituted by UGC. University Nominee nominated by Anna University and Nominee from State Government is to be given so that the autonomy committee visit can be finalized. Letters have been sent to DOTE for state Govt nominee .**Preparation of UG and PG and Part Time B.E syllabus with regulation is completed.Syllabus sample books are to be prepared before the committee visit.**

Preparedness for Getting autonomy:

Constitution of Governing Body of Government Autonomous College

Number	Category	Nature
3 members, one of them to be chairperson	Educationist, industrialist, professional	Nominated by the state government. Persons of proven academic interest with at least PG level qualification
2 members	Teacher of the College	Nominated by the Principal based on seniority.
1 member	Educationist or Industrialist	Nominated by the Principal based on seniority for two years
1 member	UGC nominee	Nominated by the UGC
1 member	State government Nominee	Nominated by the state government.
1 member	University nominee	Nominated by the university.
1 member	Principal of college	Ex-officio.

Term: Two years, except for the UGC nominee whose term will be a full six years. Meeting: At least twice a year.

Functions:

- ✓ Subject to the existing provision in the bye-laws of respective college and rules laid down by the state government, the governing body* of the above colleges shall have powers to:
- ✓ Fix the fees and other charges payable by the students of the college on the recommendations of the Finance Committee.
- ✓ Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council

- ✓ Approve institution of new programmes of study leading to degrees and/or diplomas.
- ✓ Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development, and fulfil the objectives for which the college has been declared as autonomous.

THE ACADEMIC COUNCIL AND ITS FUNCTIONS IN AN AUTONOMOUS COLLEGE

I. Committee:

Sl. No	Members as per UGC Norms	Members Proposed
1	The Principal (Chairman)	**Prof. K. Subathra**
2	All the heads of department in the college	1. **Dr. M. Chandrasekaran**, Prof / ECE 2. **Dr. J. Nafeesa Begum,** HOD / CSE 3. **Dr. P. Thirumal,** HOD / Mech 4. **Prof. R. Sudha,** AP/ HOD/EEE 5. **Prof. B. Usha,** HOD / S&H
3	Four teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college	1. **Dr. V. Thirunavukkarasu,** Asso. Prof / ECE 2. **Dr. I. Thangaraju,** AP / EEE 3. **DR. I. Rahamathullah,** AP / Mech 4. **Dr. G. Saraswathy,** AP / Chemistry
4	Not less than four experts from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering etc., to the nominated by the Governing Body.	1. **Dr. S. Muthan,** Prof & Head / ECE, CEG, Anna University, Chennai 2. **Dr. A.Ebenezer Jeyakumar**, Director (Academics), Sri Ramakrishna Engineering College Campus, Coimbator- 641022 3. **Dr. G. Sudha Sadasivam,** Professor 4. **Prof. D.K. Subramanian,** Retd. Professor, IISc, Bengaluru.
5	Three nominees of the University	To be nominated by the University.
6	A faculty member nominated by the principal (member secretary).	**Controller of Examinations**, GCE, Bargur

II. Terms of Members:

The term of the nominated members shall be two years.

III. Meetings:

The principal shall convene a meeting of the Academic Council at least once a year.

IV. Functions:

Without prejudice to the generality of functions mentioned, the Academic Council will have powers to:

(a) Scrutinise and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it will have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.

(b) Make regulations regarding the admission of students to different programmes of study in the college.

(c) Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.

(d) Recommend to the Governing Body proposals for institution of new programmes of study.

(e) Recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.

(f) Advise the Governing Body on suggestions(s) pertaining to academic affairs made by it.

(g) Perform such other functions as may be assigned by the Governing Body.

THE BOARD OF STUDIES AND ITS FUNCTIONS IN AN AUTONOMOUS COLLEGE

I. Board of Studies :

a. Board of studies for Faculty of Science and Humanities

Sl.No	Members as per UGC norms	Proposed members
1.	Head of the Department concerned (Chairman)	**Prof. M. B. Usha** HOD/Science and Humanities
2.	Entire faculty of each specialization	**1. Dr. G. Saraswathy** **2. Prof.R.Bakkiyaraj** **3. Prof. T. Govindan** 4. **Prof. M. Sudha**
3.	Two experts in the subject from outside the college to be nominated by the Academic Council	**1. Dr. A. Kannan** Professor & Head/ Chemistry Govt. College of Engineering, Salem **2. Prof. R. N. Jayaprakash** HOD/Physics, Adhiyamaan College of Engineering, Hosur
4.	One Expert to be nominated by the vice-chancellor from a panel of six recommended by the college Principal	**1. Dr. K.Srinivasan** Professor & Head/Physics Govt. College of Engineering, Salem . **2. Dr. M. Tamilsevan** Associate Professor & HOD/Physics Thanthai Periyar Institute of Technology, Vellore . **3. Dr.V.K. Nelson,** Associate Professor/Mathematics, Govt. College of Engineering, Salem . **4. Dr. S. Marshal Anthoni** Associate Professor/Mathematics Anna University Regional campus, Coimbatore. **5. Dr.N. Kalaivasan,** Assistant Professor(Sr.G)/Chemistry Thanthai Periyar Institute of Technology, Vellore . **6. Dr.K. Sivakumar,** Professor & Head/Chemistry Adhiyamaan College of Engineering, Hosur.
5.	One representative from industry/corporate sector/ allied area relating to placement	**-**
6.	One Post graduate meritorious aluminous to be nominated by the Principal	**-**

b. Board of studies for Faculty of Computer Science and Engineering

Sl.No	Members as per UGC norms	Proposed members
1.	Head of the Department concerned (Chairman)	**Dr. J. Nafeesa Begum** HOD/Computer Science and Engineering
2.	Entire faculty of each specialization	1. Prof.C.Satheesh Pandian 2. Prof.B.Sivaranjani 3. Prof.C.M.T. Karthigeyan 4. Prof.S.Selvi 5. Prof.N.Jagadeeswari
3.	Two experts in the subject from outside the college to be nominated by the Academic Council	**1. Dr.P.Geetha,** Associate Professor/ CSE, Anna University, Chennai **2. Dr. A. M. Kalpana,** HOD/CSE, Govt. College of Engineering, Salem.
4.	One Expert to be nominated by the vice-chancellor from a panel of six recommended by the college Principal	**1. Dr.J.C. Miraclin Joyce Pamila ,** Assistant Professor [Senior Grade]/CSE, GCT, Coimbatore . **2. Dr.S.Rathi,** Assistant Professor [Senior Grade]/CSE, GCT, Coimbatore. **3. Dr.K.Sathyanarayan Reddy,** Professor/HOD, Cambridge Institute of Technology, Bangalore. **4. Dr. G. Usha Devi, M.B.A., M.E., Ph.D.** Associate Professor, Network and Information Security Division School of Information Technology and Engg., VIT University, Vellore - 632 014. **5. Dr.G.Fathima,** HOD/IT Adhiyamaan College of Engineering, Hosur. **6. Dr.S.Magesh,** AP/IT SRM University, Kancheepuram.
5.	One representative from industry/corporate sector/ allied area relating to placement	**Mr.Alok Menon,** Software Architect, July Systems, Bangalore
6.	One Post graduate meritorious aluminous to be nominated by the Principal	**Mr. Subramanian Alagumalai.** Associate Consultant, Sapient Consulting Limited, Bangalore

c. Board of studies for Faculty of Electronics and Communication Engineering

Sl.No	Members as per UGC norms	Proposed members
1.	Head of the Department concerned (Chairman)	**Dr.M.Chandrasekaran** Professor & Head Dept. of ECE
2.	Entire faculty of each specialization	1. Dr.V.Thirunavukkarasu 2. M.Elangovan 3. M.Kavitha 4. M.Arulkumar 5. P.E.Irin Dorathy 6. G.Suchitra 7. K.Manogaran
3.	Two experts in the subject from outside the college to be nominated by the Academic Council	**1. Dr. L.Ganesan,** Asso.Prof , ACCCET, Karaikudi **2. Dr. M.Kannan,** Prof, MIT, Anna University
4.	One Expert to be nominated by the vice-chancellor from a panel of six recommended by the college Principal	**1. Prof.S.Kumaresan,** Professor and Head, Dept. of CSE, Government College of Technology, Coimbatore. **2. Dr. S.Sumathi,** Professor and Head, Dept. of ECE, Adhiyaman College of Engineering, Hosur. **3. Dr. M.Santhi,** Associate Professor, Dept. of ECE, Government College of Engineering, Salem **4. Dr. A. Sivanatha Raja,** Associate Professor, Dept. of ECE, ACCET, Karaikudi. **5. Dr. G.Murugesan,** Professor and Head, Dept. of ECE, Kongu Engineering College,Perundurai **6. Dr. P.Anandha Kumar** Associate Professor, Dept. of Information Technology, M.I.T., Anna University, Chennai
5.	One representative from industry/corporate sector/ allied area relating to placement	**Mr.M.Balaji** Technical Director, Frontline Electronics Pvt. Ltd.
6.	One Post graduate meritorious aluminous to be nominated by the Principal	**Mr. P. Kaliram**, Assistant Professor / ECE, IRTT, Perundurai, Erode.

d. Board of studies for Faculty of Electrical and Electronics Engineering

Sl.No	Members as per UGC norms	Proposed members
1.	Head of the Department concerned (Chairman)	**Prof. K. Subathra** Professor & Head, Dept. of EEE
2.	Entire faculty of each specialization	1. Prof.R.Sudha 2. Prof.K.Mohan 3. Prof.A.Thangaraj 4. Prof.M.Bhavani 5. Prof.V.Arivumani 6. Dr.I.Thangaraju
3.	Two experts in the subject from outside the college to be nominated by the Academic Council	**1. Dr. Christy Manoraj,** Assistant Professor, GCE, Salem **2. Dr. R Sakthivel,** Associate Professor, VIT University, Vellore
4.	One Expert to be nominated by the vice-chancellor from a panel of six recommended by the college Principal	**1. Dr. B. Umamaheshwari,** Professor, CEG, Anna University **2. Dr. V.Saravanan,** Associate Professor, TCE, Madurai **3. Dr. M.P. Selvam,** Assistant Professor, NIT, Trichy **4. Dr. Narayanappa,** Professor, Adhiyaman Engineering College, Hosur **5. Dr. Jayabharathi,** Professor, VIT University, Vellore **6. Dr.C.Pugazhendhi ,** Assistant Professor/EEE, CGE, Anna University
5.	One representative from industry/corporate sector/ allied area relating to placement	**Dr. Santoshkumar Annadurai,** Deputy General Manager (R&D), Alstom T&D India Ltd, Chennai
6.	One Post graduate meritorious aluminous to be nominated by the Principal	**Mr. S. Saravanan,** Deputy Manager, CGL, Mumbai

e. Board of studies for Faculty of Mechanical Engineering

Sl.No	Members as per UGC norms	Proposed members
1.	Head of the Department concerned (Chairman)	Dr.P.Thirumal, HOD/Mechanical Engg.
2.	Entire faculty of each specialization	1. Prof.P.Natarajan 2. Dr.I.Rahamathulla 3. Prof.S.Ananthakumar 4. Prof.D.Kulandaivel 5. Prof.S.Sankarganesh
3.	Two experts in the subject from outside the college to be nominated by the Academic Council	**1. Dr.K.Annamalai,** Associate Professor, MIT, Anna University, Chennai **2. Dr.R.Vijayan,** Associate Professor, GCE, Salem
4.	One Expert to be nominated by the vice-chancellor from a panel of six recommended by the college Principal	**1. Dr.R.Karunakaran,** Dean, University College of Engineering, Kanchipuram. **2. Dr.M.Sakthivel,** Associate Professor/ Mechanical Engg, Anna University Regional centre, Coimbatore **3. Dr.T.Ramesh,** Associate Professor/ Mechanical Engg, National Institute of Technology, Trichy. **4. Dr.G.Saravanakumar,** Associate Professor/Engineering Design, IIT, Chennai. **5. Dr.M.Pradeepkumar,** Associate Professor/ Mechanical Engg, CEG, Anna University, Chennai **6. Dr.N.Shenbaga Vinayaga Moorthi** Associate Professor/Mechanical Engg, Regional Center Anna University Tirunelveli.
5.	One representative from industry/corporate sector/ allied area relating to placement	**Dr.K.Elangovan,** Director, NAFEMS India operations, Bangalore.
6.	One Post graduate meritorious aluminous to be nominated by the Principal	**Mr.K.Ramesh,** Associate Consultant, Expicient Inc, Bangalore

II. Term

The term of the nominated members shall be two years.

III. Meeting

The principal of the college shall draw the schedule for meeting of the Board of Studies for different departments. The meeting may be scheduled as and when necessary, but at least once a year.

IV. Functions

The Board of Studies of a department in the college shall:

(a) Prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the Academic Council;

(b) Suggest methodologies for innovative teaching and evaluation techniques;

(c) Suggest panel of names to the Academic Council for appointment of examiners; and

(d) Coordinate research, teaching, extension and other academic activities in the department/college.

THE FINANCE COMMITTEE AND ITS FUNCTIONS IN AN AUTONOMOUS COLLEGE

Sl. No.	Members as per UGC Norms	Members Proposed
1	The Principal	Prof. K. Subathra
2	One person to be nominated by the Governing Body of the College for a period of two years	Dr. P. Thirumal, HOD/ Mech
3	One senior-most teacher of the college to be nominated in rotation by the principal for two years	Dr. M. Chandrasekarn, Prof. and HOD /ECE
4	Additional senior-most teacher of the college to be nominated in rotation by the principal for two years	Dr. V. Thirunavukkarasu, Asso. Prof/ ECE

Finance committee meeting is conducted on 28.03.2016 and the final income and approximate expenditure details are arrived at. Depending on the availability of funds the detailed remuneration for Question paper setting, all works related to Practicals and Theory paper is decided and given below for approval of BoG

Refer : Annexure - I

CURRICULUM, REGULATION & SYLLABUS 2016 FOR UG CANDIDATES:

1. B.E.ELECTRONICS AND COMMUNICATION ENGINEERING [FULL TIME]
2. B.E. ELECTRICAL AND ELECTRICAL ENGINEERING [FULL TIME] & [PART – TIME]
3. B.E. COMPUTER SCIENCE AND ENGINEERING [FULL TIME]
4. B.E. MECHANICAL ENGINEERING [FULL TIME]

&

CURRICULUM, REGULATION & SYLLABUS 2016 FOR PG CANDIDATES:

1. M.E. Electrical Drives and Control [FULL TIME]
2. M.E. Applied Electronics [FULL TIME]
3. M.E. Computer Science and Engineering [FULL TIME]

have been completed

Refer : Annexure - II

Approved

Agenda. 14.11 Fund allotment for constructing canteen is got:

Rs 44 Lakhs has been sanctioned by the State Govt., for the construction of canteen inside college premises and **it will be completed within 2016 March**.

Ratified

Agenda. 14.12 QEEE Class Time Table

S.No	QEEE course name	Presenter Name	No of students	Year & Dept	Subject Code & Name (As per AU syllabus)	Local Faculty Name	Session Dates
1	Compiler Design	Prof. N Krishna Nandhiwala	61	III CSE	CS6660 - Compiler Design	Prof. K.Vidya	15 Feb, 17 Feb, 19 Feb
2	Information Security and Cryptography	Prof.Chester Rebeiro	69	IV CSE	IT2042 - Information Security	Prof.C.Sathee sh Pandian	2,3,9 Feb
3	Engg Mechanics	Prof. Abhijit Sarkar	48	I MECH	GE6253- Engineering Mechanics	Prof.P.Thirum al	2,3,9 Feb
4	Kinematics of machines	Prof. Abhijit Sarkar	56	II MECH	ME6401- Kinematics of machines	Prof.S.Sanka rganesh	1,8,9 March
5	Analysis and Design of Algorithms	Prof. Sandeep Sen	62	II CSE	CS6402 - Design and Analysis of Algorithms	Prof.N.Jagad eeswari	22,29 Jan and 5 Feb
6	Control Systems	Prof. Tushar Jain	50	II ECE	EC6405- Control Systems	Prof.V.Arivum ani	12 Feb, 15 Feb, 17 Feb
7	Embedded systems and Applications	Prof. M. Balakrishnan	66	IV ECE	EC2042- Embedded Systems	K.Manogaran	11 Mar, 15 Mar, 16 Mar, 17 Mar
8	Automobile engg	Prof. C. S. Shankar Ram	69	III MECH	ME6602- Automobile Engineering	Prof.D.Kulan daivel	14, 21, 28 March

S.No	QEEE course name	Presenter Name	No of students	Year & Dept	Subject Code & Name (As per AU syllabus)	Local Faculty Name	Session Dates
9	Computer Organization and Architecture	Prof.Ashok Jhunjhunwala	55	III ECE	CS6303-Computer Organization and Architecture	Dr.V.Thirunavukkarasu	5,10,16 Feb
10	Operating Systems	Prof. Krishna Sivalingam	62	II CSE	CS6401-Operating System	Prof. M.Subhalakshmi	8,9,11 March
11	Spoken English	Ms. Vineeta Prasad - Delhi	57	I CSE	Spoken English	Prof.S.Selvi	25, 28 Jan, 01, 04,08,11,15,18,22 Feb,03,10,14, 17 Mar
12	Analog Electronic Circuits	Prof. Hitesh Shrimali	50	II ECE	EC6401-Electronic Circuits II	Prof.M.Kavitha AP-ECE	27 Jan, 2,5 Feb

Ratified

Agenda. 14.13 Building committee constituted for sending proposals for getting fund for constructing new buildings/ sports facility at GCE Bargur:

For the construction of auditorium, basket ball courts for boys and girls,stadium surrounding the ground for watching sports events funds can be obtained from UGC as this college is awarded with 2f and 12B status.

The proposals to be sent must be approved by building committee for getting fund sanction from UGC. Hence the following building committee is constituted to send proposals for getting fund sanction from UGC.

Building Committee:

S.No	Description	Nominee
1.	The Principal/Teacher- in -Charge of the College	**Prof.K.Subathra, Principal i/c**
2.	The Vice-Principal (if appointed).	**NOT APPLICABLE**
3.	A representative of the affiliating University	**Dr. Marshal Antony., AP/Mathematics, Anna University, Regional Centre -Coimbatore**
4.	A representative of the CPWD/PWD/ Zilla Parishad / Corporations, etc. (not below the rank of Assistant Engineer).	**Thiru.E.Sankaran., AE, PWD(Civil Works) Dept.of Technical Education , TamilNadu,(Krishnagiri District)**
5.	A representative from user- teaching department (s).	**Dr. I. Thangaraju ,AP/EEE, Chief Superintendent., Examinations**

S.No	Description	Nominee
6.	Two representatives from the teachers of the College. In case of staff quarters, a representative of non- teaching staff should also be included	**Dr.G.Saravanan., AP[Sr.Grade]/Civil Dr.J.NafeesaBegum.,AP[Sr.Grade] /CSE**
7.	A representative each from Administration and Accounts Division.	**Thiru.R.Srinivasan., PA to the Principal**
8	The Architect engaged by the College. The person should be registered with the Council of Architecture	**Not Applicable.**

Honororarium for Building Committee members is given below:

- ✓ Rs. 3000/- per sitting
- ✓ TA & DA as per TEQIP –II norms

Approved

Agenda 14.14 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.**

Permitted

Agenda 14.15 Academic schedule for EVEN Sem 2015-2016

ACADEMIC SCHEDULE for Even SEM 2015-2016

S.No	Academic Prog	Tentative Dates
1	a).Classes reopen for Even Sem-IV ;VI ;VIII sem FTBE & PTBE & II SEM	18-01-2016
2	First class committee meeting	First week of Feb 2016
3	First attendance updating in Anna Univ web portal (a) IV;VI;VIII sems &(b) for II sem	10-02-2016 to 17-02-2016
4	Guest lecture from relevant industry personnel for every Dept association meeting	Feb 2016

S.No	Academic Prog	Tentative Dates
5	a).First Test for II: IV;VI;VIII sems b).Test mark updation in univ website	a)20-02-2016 to 26-02-2016 b)26-02-2016 to 01-03-2016
6	Second Class Committee meeting for II;IV;VI;VIII sem	21-02-2016
7	Project Viva Examination	a) 05.04.2016 to 07.04.2016 b) 11.04.2016 to 13.04.2016
8	Practical Examinations	a) 15.04.2016 to 22.04.2016 b) 25.04.2016 to 30.04.2016
9	Valedictory function for all Associations	10-03-2016 to 26-03-2016
10	a)Second test for II; IV; VI;VII sem b).Test mark updation in univ website	a).16-03-2016 to 23-03-2016 b).23-03-2016 to 30-03-2016
11	a)Third test for II; IV; VI;VII sem b).Test mark updation in univ website	a).08-04-2016 to 15-04-2016 b).18-04-2016 to 20-04-2016
12	(a)Last working Day for VIII Sem (b)Last working Day for II,IV,VI sem(FTBE & PTBE)	(a) 20-04-2016 (b)07-05-2016
13	Commencement of End Sem Examinations for (a) VIII Sem (b)II,IV,VI sem	 (a) 22-04-2016 (b) 23-05-2016

Re-opening Date for odd sem 04-07-2016

Submitted to BoG *for information*

Agenda 14.16 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 Director of Technical Education to give special attention to this issue and requests the Director of Technical Education to speedily implement the CAS for the faculty members who are eligible.**

Permitted

Agenda: 14.17 New Post Sanction (As per AICTE norms)

a) BOG & GCE, Bargur Thank Government of Tamilnadu, Higher Education Secretary and Director of Technical Education for new posts which are sanctioned. The sanctioned teaching and non-teaching posts are listed below (G.O.(Ms) No.63 Dated : 02.03.2016)

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	Additional No. of Posts sanctioned to fulfill AICTE Norms
1.1	Principal	1	1	0
1.2	Professor	4	2	2
1.3	Asso. Professor	16	8	8
1.4	Asst. Professor	52	42	10
1.5	Librarian	1	1	0
1.6	Physical Director	1	0	1
TEACHING POSTS		**75**	**54**	**21**
2.1	Foreman Instructor	1	0	1
2.2	Workshop Instructor	2	0	2
2.3	Artisan (Grade 1)	4	0	4
2.4	Artisan (Grade 2)	16	0	16
2.5	Lab Assistant	16	7	9
2.6	Pump House Operator	2	0	2
2.7	Plumber	1	0	1
WORKSHOP & TECHNICAL STAFF		**42**	**7**	**35**
3.1	P.A to Principal	1	1	0
3.2	Bursar	1	0	1
3.3	Superintendent	4	1	3
3.4	Assistant	8	1	7
3.5	Junior Assistant	12	2	10
3.6	Typist	3	0	3
3.7	Steno-Typist	1	1	0
3.8	Record-Clerk	2	0	2
ADMINISTRATIVE STAFF POSTS		**32**	**6**	**26**
4.1	Office Assistant	2	2	0
4.2	Watchman	3	0	3
4.3	Gardener	2	0	2
4.4	Marker	1	0	1
4.5	Sweeper	3	0	3
4.6	Sanitary Worker	2	0	2
BASIC SERVANTS		**13**	**2**	**11**

b) **G.O for released for refund of Water line (Thenpennai Combined Water Supply Scheme) is obtained for Rs. 60.17 Lakhs (G.No. (4D) No.2 Dated 04.03.2016).**

Submitted to BoG for information

Agenda: 14.18 Action Plan for TEQIP – II Additional Fund for Rs. 5 Crores

Activities	Mar 2016		Apr-Jun 2016		Jul-Sep 2016		Oct-16		Total	
	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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	81	17.116	192	281.65	2	37.00	1	10.00	**276**	**345.76**
Assistantships	0	0.00	4	1.5	54	3.00	22	2.50	**80**	**7.00**
R&D	4	3.35	26	10.20	19	7.10	16	15.35	**65**	**36.15**
FSD	8	3.16	48	33.98	58	40.46	4	0.50	**118**	**78.10**
Industry Institute Interactions	5	8.80	9	12.60	14	24.90	5	5.20	**33**	**51.50**
Capacity development	0	0.00	9	3.50	3	1.50	4	2.00	**16**	**7.00**
Reforms	0	0.00	2	9.50	0	0.00	0	0	**2**	**9.5**
Academic support for weak students	1	1.4	29	13.00	15	13.40	16	6.7	**62**	**36**
Incremental operating cost	5	1.68	16	6.34	16	6.04	5	2.48	**42**	**16.54**
GRAND TOTAL	**105**	**37.16**	**335**	**372.27**	**181**	**133.40**	**73**	**44.73**	**694**	**587.55**

Head wise and Department wise Action Plan – Refer Annexure – III

Fund sanction for 2.5 crore as first installment from central Govt is released. **TEQIP –II fund with Interest is exhausted. Institution fund of Rs. 10 Lakhs transferred from Development Fund to TEQIP-II Development Fund Account** to manage the expense till additional fund is released by State Government & Central Government

Permitted

Agenda :14.19 AICTE APPROVAL for PG courses is submitted

In 2016-7 AICTE approval process, Approval is requested for Three PG courses in the following Topics.

1. New PG courses in Electrical Drives and Control
2. New PG courses in Applied Electronics
3. New PG courses in Computer Science and Engineering

Ratified

Agenda: 14. 20

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?	Before starting the project SWOT analysis was conducted with Student, Faculty members, HOD and Principal. 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. For 2013-14 again IDP was revised in BoG and got approved in BoG. IDP for the period of Jan 2015 to Dec 2016 is submitted and approved in 11th BOG. Revised IDP (upto Dec 2016) and Vision IDP 2020 is approved in 12th BOG. 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.
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)	Yes. All the subcommittee decisions are placed in BoG for approval and process. The activities of institution are monitored by the BoG; on every BoG meeting an action taken report is placed based on the previous minutes.

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?	BoG is informed in each meeting about; 1. Academic Results and transition rate. 2. External funding obtained from other research agencies. 3. Testing and consultancy service 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 Director of Technical Education is placed in BoG
Has the Governing Body put in place suitable arrangements for monitoring the head of the institution's performance?	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.
INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
B OPENNESS & TRANSPARENCY IN THE OPERATION OF GOVERNING BODIES	
SELF-REVIEW QUESTIONS	***ASSESSMENT***
Does the Governing Body publish an annual report on Institutional performance?	Yes. Annual report is published for 2012-13, 2013-14 & 2014-15 and approved by BoG.
Does the Governing Body maintain, and publicly disclose, a register of interests of members of its governing body?	Yes. Every time members are asked to record their feedback about the meeting in the visitor's register
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?	Yes. After the meeting the minutes of the meeting is circulated to the departments and the same is published in the web site.

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?	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.
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 consists of industry persons and senior Academicians only.
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 **Mar 2016, 13** 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 theperformance 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.

INSTITUTIONAL GOVERNANCE REVIEW TEMPLATE	
E – REGULATORY COMPLIENCE	
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	**ECE, EEE,CSE got accredited for Two Years.** Mechanical Branch is to apply for accreditation

Approved

The meeting came to end by 1.00 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& 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.

31/03/16

Nominee of University - BOG
Member

5 Dr. P. K. Jayadev,
Principal (Retd),
Govt. College of Engineering,
Salem-636 011
Mobile: 9443056469

31/3/16

Eminent Educationalist - BOG
Member

6	Mr.K. Arumugam, FA & CAO , Directorate of Technical Education, Channai-600 025, Mobile: 9444498508	Nominee from finance wing of DOTE -BOG Member
7	Prof. K. Subathra, Principal, Govt College of Engineering, Bargur, Krishnagiri-635 104.	31/3/16 Principal & BOG Member
8	Dr. V. Thirunavukkarasu, Asso. Prof / ECE, Govt College of Engineering, Bargur, Krishnagiri-635 104.	31/3/16 TEQIP Nodal Officer - BOG Member
9	Dr.P.Thirumal, Asst. Professor (Sr.Gr)/Mechanical, Govt College of Engineering, Bargur, Krishnagiri-635 104.	31/3/16 Academic Nodal Officer /TEQIP (Representative from Senior teaching Staff) - BOG Member

ANNEXURE -I

GOVERNMENT COLLEGE OF ENGINEERING

BARGUR – 635 105, KRISHNAGIRI (DT).

MINTUES OF THE MEETING OF FINANCE COMMITTEE (AUTONOMOUS)

The Finance Committee Meeting was held on 28.03.2016 at 12.00 Noon in the Principal's Chamber of the College. The Following are present.

MEMBERS :

1.	Prof.K.Subathra	Principal and Chairman
2.	Dr. M. Chandrasekaran	Governing Body Nominee
3.	Dr. V. Thirunavukkarasu,	Member
4.	Dr..P.Thirumal	Member

The following resolutions are approved by the committee after discussion

ITEM : 1	Fees Structure for Examination and other documents (Annexure – I)
ITEM : 2	Remuneration for Officials and Staff of the Examination Office During Theory Examinations (ANNEXURE – II)
ITEM : 3	Remuneration for Practical Examinations : Internal & External Examiners (ANNEXURE – III)
ITEM : 4	(Annexure – IV) i) Remuneration for Question Paper Setting ii) Valuation, DA & TA for attending Practical iii) Theory Examinations and Central Valuation iv) Sitting Fee, DA & TA for attending Result Passing Board, Finance Committee, BOS, Academic Council, other Autonomous Committee Meetings
ITEM: 5	(Annexure – V) Budget for the Year 2016-17

Member Member Member

28/3/16

PRINCIPAL AND CHAIRMAN

PRINCIPAL
Government College of Engg
BARGUR-635 104.

ANNEXURE – I

Fees Structure for Examination and other documents

Sl. No	Items	Amount
1	Application Form	75
2	Statement of Marks	150
3	Therory and Practical Subjects (UG)	200
4	Project Work (UG)	400
5	Theory and Practical Subjects (PG)	500
6	Project Work (PG)	1500 (Phase –I), 3000 (Phase-II)
7	Ph.D. Programme	2500 (Internal), 3000 (External)
8	Duplicate Hall Ticket	500
9	Penalty of Late Payment of Exam fee (Per day)	200
10	Rank Certificate	300 (within a year) 600 (after a year)
11	Consolidate Mark sheet	1000
12	Duplicate Mark Sheet	3000 (First Time) 5000 (Second Time)
13	Re-totalling of each paper	350
14	Revaluation of each paper	UG-500, PG-800 (Failed Subject) UG-1200, PG-1600 (Passed Subject)
15	Photo Copy of Answer Script	150
16	Condonation Fee	1000
17	Copy of Syllabus (Attested Copy)	2000
18	Students Verification	3000
19	Course Completion Certificate	250
20	Re-admission fee	500
21	Autonomous office one time fee during First Semester (i) Registration and Enrolment Fee (ii) Cost of Registration and Syllabus book (iii) Unit test Charges	(candidates admitted during 2015 and on-wards) 250 250 50

Member Member Member

28/3/16

PRINCIPAL AND CHAIRMAN

PRINCIPAL
Government College of Engg.
BARGUR-635 104

ANNEXURE – II

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR – 635 104.
OFFICE OF THE CONTROLLER OF EXAMINATIONS

REMUNERATION FOR OFFICIALS AND STAFF OF THE EXAMINATION OFFICE DURING THEORY EXAMINATIONS

Sl. No	Details	Amount
1	Chief Superintendent (per session)	500
2	Officer in charge of examinations (per sessions)	400
3	Assistant to O/C examinations (per session)	300
4	Hall superintendents (per session) (One HS for every 30 candidates. No reserve HS)	300
5	Clerical staff (No DA. Rate per day per 100 candidates)	150
6	Examination office assistant (per session)	150
7	Waterman (for every 100 candidates)	100
8	Scavenger (2 persons per day)	100
9	General arrangements (for every 100 candidates) (For CS, O/C exams, HS on holidays only)	100
10	Dearness Allowance per day (For CS, O/C exams, HS on holidays only)	250
11	Dearness Allowance per day (For Exam Office Asst., watermen, scavenger on holidays only)	100
12	End semester examinations: Pre-arrangements (One OCE) for 2 days Post-arrangements (One OCE) for one day	400
13	End semester examinations: Pre-arrangements (Three OCE) for 2 days Post-arrangements (One OCE) for one day	400
14	Reserve Hall Superintendent[RHS] (per session) 5% of Hall superintendents No RHS for below 100 candidates One RHS for 100 to 600 candidates Two RHS for above 600 candidates	300
15	Attender – one (for every 100 candidates)	100

Member Member Member

28/3/16

PRINCIPAL AND CHAIRMAN

PRINCIPAL
Government College of Engg.
BARGUR-635 104

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR – 635 104.

ANNEXURE – III

OFFICE OF THE CONTROLLER OF EXAMINATIONS
DETAILS OF REMUNERATION

CONDUCT OF PRACTICAL EXAMINATIONS: INTERNAL & EXTERNAL EXAMINERS

DETAILS	UNDERGRADUATE COURSES		POST GRADUATE COURSES
PRACTICALS	FOR 3 HOURS	Rs. 25/- PER CANDIDATE EXAMINED	Rs.50/- PER CANDIDATE EXAMINED
	FOR 1 ½ HOURS	Rs. 20 /- PER CANDIDATE EXAMINED	
MINIMUM	FOR 3 HOURS	Rs .150 /-	Rs. 150/-
	FOR 1 ½ HOURS	Rs. 125/-	
PROJECT WORK & VIVA VOCE	Rs. 50/- PER CANDIDATE EXAMINED		Rs. 300/- PER CANDIDATE EXAMINED

CONDUCT OF PRACTICAL EXAMINATIONS : ASSISTANT EXAMINERS, TECHNICIAN & NON – TECHNICIAN STAFF

DETAILS	LAB	TOTAL NO OF ELIGIBLE STAFF	REMUNERATION		DEARNESS ALLOWANCE	
ASSISTANT EXAMINERS	GENERAL	CANDIDATES EXAMINED / 6	FOR 3 HOURS	Rs. 125/-	FOR REGULAR LAB : Rs. 200/- PER DAY	ASSISTANT EXAMINERS, TECHNICIANS & NON TECHNICIANS ARE ELEGIBLE FOR FULL DA ONLY IF THEY CLAIM / CONDUCT THE LAB / WORKSHOP, FOR A MINIMUM OF 3 (THREE) SESSIONS PER DAY. THIS IS APPLICABLE FOR THE ALL THE LABS / WORKSHOPS EXCEPT FOR ENGINEERING DRAWING [FIRST SEM], ENGINEERING GRAPHICS [IBT-II SEM], PRODUCTION DRAWING & MACHINE DRAWING, ESTIMATION & COSTING LABS.
	FIRST YEAR : ENGG. GRAPHICS & DRAFING LAB	CANDIDATES EXAMINED / 6				
	ENGG. DRAWING [I SEM] / ENGG. GRAPHICS [IBT-II SEM]	MAXIMUM 2 PERSONS	FOR 1 ½ HOURS	Rs. 90 /-	FOR ARREAR LAB : Rs. 100/- PER DAY	
	FOR FIRST YEAR [ALL OTHER LABS]	CANDIDATES EXAMINED / 10				
	ESTIMATION & COSTING, PRODUCTION / MACHINE DRAWING	MAXIMUM 2 PERSONS	FOR 45 MIN or 1 HOURS	Rs. 50/-		
	PRESENTATION SKILLS & TECHNICAL SEMINAR	MAXIMUM 2 PERSONS PER DAY				
	B.E. & M.E. PROJECT WORK VIVA-VOCE	NIL				
TECNICIAN	GENERAL	5 PER SESSION	FOR 3 HOURS	Rs. 60/-	FOR REGULAR LAB : Rs. 120/- PER DAY	
	FIRST YEAR : WORKSHOP	11 PER SESSION				
	FIRST SEMESTER : ENGG. PRACTICLE LAB [IBT]	15 PER SESSION				
	MANUFACTURING TECH. – II (SPL. MACHINES)	7 PER SESSION	FOR 1 ½ HOURS	Rs. 30 /-		
	ENNG. DRAWING [I SEM] / ENGG. GRAPHICS [IBT-II SEM]	NIL			FOR ARREAR LAB : Rs. 75/- PER DAY	
	ESTIMATION & COSTING, PRODUCTION / MACHINE DRAWING	NIL	FOR 45 MIN or 1 HOURS	Rs. 20/-		
	PRESENTATION SKILLS & TECHNICAL SEMINAR	NIL				
	B.E. & M.E. PROJECT WORK VIVA-VOCE	NIL				
NON TECHNICIAN	GENERAL	2 PER SESSION	FOR 3 HOURS	Rs. 60/-	FOR REGULAR LAB : Rs. 90/- PER DAY	
	FOR FIRST YEAR : ALL LABS & ALL BRANCHES	2 PER SESSION	FOR 1 ½ HOURS	Rs. 30 /-	FOR ARREAR LAB : Rs. 45/- PER DAY	
	PRESENTATION SKILLS & TECHNICAL SEMINAR	NIL	FOR 45 MIN or 1 HOURS	Rs. 20/-		
	B.E. & M.E. PROJECT WORK VIVA-VOCE	1 PERSON PER DAY				

Please turn overleaf...

FOR LESS THAN 6 CANDIDATES, 1 ASSISTANT EXAMINER, 1 TECHNICIAN AND 1 NON-TECHNICIAN IS PERMITTED.
FOR ARREARS WITH SINGLE CANDIDATE, NO CLAIM IS PERMITTED IF THE CANDIDATE IS ABSENT.

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR – 635 104.

OFFICE OF THE CONTROLLER OF EXAMINATIONS
DETAILS OF REMUNERATION

CONDUCT OF PRACTICAL EXAMINATIONS AND CENTRAL VALUATION : TA & DA – INTERNAL & EXTERNAL EXAMINERS

Sl. No	DETAILS	DEARNESS ALLOWANCE	TRAVELLING ALLOWANCE	REMARKS
1	GCE & EXTERNAL EXAMINERS FROM LOCAL STATION	Rs. 200/- PER DAY	Rs. 250 / DAILY	DISTANCE LESS THAN 30KMs
2	CATEGORY – I OUT STATION EXAMINERS	Rs. 300/- PER DAY	Rs. 8/- (Per KM- Two way & Onetime)	DISTANCE IN THE RANGE OF 30KMS TO 125KMS
3	CATEGORY – II OUT STATION EXAMINERS	Rs. 400/- PER DAY	Rs. 8/- (Per KM- Two way & Onetime)	DISTANCE ABOVE 125KMs
			By Train : Actual train fare + 2/3 incidental charges on production of copy of ticket	

VALUATION	U.G. (per Script)	P.G. (per Script)	MINIMUM UG/PG/M.S./Ph.D.
FOR 3 HOURS	Rs. 25	Rs.35	200
FOR LESS THAN 3 HOURS	Rs. 15	Rs.20	150
REVALUATION			
UG & PG	Rs. 40/-		
MINIMUM	RS. 200/-		

Member

Member

Member

PRINCIPAL AND CHAIRMAN

ANNEXURE – IV

(i) Remuneration for Question Paper Setting

Details	Rate
Question Paper Setting	Rs. 1500/-
Detailed Answer key	Rs. 2000/-

(ii) Remuneration for Valuation

VALUATION	U.G.	P.G.	Minimum UG / PG / M.S. / Ph.D.
For 3 Hours	Rs.25	Rs.35	200
For Less than 3 Hours	Rs.15	Rs.20	150
REVALUATION			
UG&PG	Rs. 75/-		
MINIMUM	Rs. 200/-		

(iii)DA &TA for attending Practical, Theory Examinations and Central Valuation

Sl.No.	Details	DEARNESS ALLOWANCE	TRAVELLING ALLOWANCE	Remarks
1	GCEB & External Examiners from localstation	Rs.200/-PER DAY	Rs.250/- Daily	Distance less than 30 KMs
2	CATEGORY-I OUT STATION EXAMINERS	Rs.300/-PER DAY	Rs.8/- (Per KM - Two way&Onetime)	Distance in the range of 30 KMs to125 KMS
3	CATEGORY-II OUT STATION EXAMINERS	Rs. 400/- PER DAY	Rs.8/- (Per KM - One way& Onetime) Limited to 300KMs	Distance above 125 KMs **By Train :** Actual train fare + 2/3 incidental charges on

(iv) Sitting Fee, DA &TA for attending Result Passing Board, Finance Committee, BOS, Academic Council, other Autonomous Committee Meetings

Sl.No.	Details	SITTING FEE	DAILY ALLOWANCE	TRAVELLINGALLOWANCE
1	External Experts Members	Rs. 3000/-	Rs. 750/-	• Rs. 1000/- (Distance less than 30Kms) • Rs. 2000/-(Distance within 30Kms to 125Kms) • Distance above 125Kms (i) Actual Taxi fare on Production of copy of receipt (ii) Actual Train fare on production of copy of Ticket + 2/3 incidental charge (iii) Airfare + Rs. 1200 (incidental charge which ever is applicable. (iv) Rs. 8/- per km in own car one time.
2	GCE, Bargur Member	Rs. 3000/-	-	-

Member Member Member

PRINCIPAL AND CHAIRMAN

PRINCIPAL
Government College of Engg.
BARGUR-635 104

Annexure V

Budget for 2016 - 2017

1	Question Paper Setting	400000
2	Question paper Printing	10000
3	Application form & Fee Collection	10000
4	Hall Ticket	5000
5	To Conduct Theory Examinations	100000
6	To Conduct Practical Examinations	200000
7	Paper Valuation	120000
8	Result preperation & Mark sheet printing	60000
9	One Time Expense for COE Office	600000
10	Answer Scripts Printing (6000 Scripts)	400000
	Total Expenses during 2016-17	**1905000**
	Total Fee Collection during I sem	475000
	Balance amount required	1430000

To be collected as deposit from 240 students Rs 6000/- per student to meet the additional requirement of Rs. 14,30,000/-

Member Member Member

28/3/16

PRINCIPAL AND CHAIRMAN

PRINCIPAL
Government College of Engg.
BARGUR-635 104

ANNEXURE - II

GOVERNMENT COLLEGE OF ENGINEERING

BARGUR –635104

COLLEGE VISION

To Provide World Class Engineers Who Are Ethical And Good Citizens Of Our Motherland.

COLLEGE MISSION

To Groom The Student Community Through Learner Centric Quality Lectures, Laboratories, Library And Value Added Training.

DEPARTMENT VISION

To be a Centre of new ideas and innovations by providing quality education in the field of electrical and electronics engineering.

DEPARTMENT MISSION

To provide an environment in which new ideas and research thrive and from which the leaders and innovators of tomorrow emerge.

PROGRAM EDUCATIONAL OBJECTIVES :

PEO1. Apply a broad, fundamental based knowledge and up-to-date skills required in performing analysis and synthesis in Electrical and Electronics Engineering.

PEO2. Design works pertaining to Electrical and Electronics Engineering using basics of circuits, incorporating the use of design standards, realistic constraints and consideration of the economic, environmental and social impact of the design.

PEO3. Use modern computer software tools to analyse and solve Electrical and Electronics Engineering problems and explain and defend their solutions and communicate effectively using graphic, verbal and written techniques to all audiences, and pursue lifelong learning and research.

PROGRAMME OUTCOMES

A. An ability to apply knowledge of mathematics, science, and engineering,
B. An ability to design and conduct experiments, as well as to analyze and interpret data,
C. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
D. An ability to function on multidisciplinary teams,
E. An ability to identify, formulate, and solve engineering problems,
F. An understanding of professional and ethical responsibility,
G. An ability to communicate effectively,
H. The broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context,
I. A recognition of the need for, and an ability to engage in life-long learning,
J. A knowledge of contemporary issues, and
K. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,
L. With basic understanding of electrical and electronics principles students can become a member and then a team leader to manage innovative projects.

B. E. ELECTRICAL AND ELECTRONICS

ENGINEERING I TO VIII SEMESTERS

CURRICULUM AND SYLLABUS

SEMESTER I

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	HS	Technical English – I	3	1	0	4
2.	BS	Mathematics – I	3	1	0	4
3.	BS	Engineering Physics	3	0	0	3
4.	BS	Applied Chemistry	3	0	0	3
5.	ES	Computer Programming	3	0	0	3
6.	ES	Engineering Graphics	2	0	3	4
PRACTICAL						
7.	ES	Computer Programing Laboratory	0	0	3	2
8.	ES	Engineering Practices Laboratory	0	0	3	2
9.	BS	Physics and Chemistry Laboratory – I	0	0	2	1
		TOTAL	**17**	**2**	**11**	**26**

SEMESTER II

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	HS	Technical English – II	3	1	0	4
2.	BS	Mathematics – II	3	1	0	4
3.	BS	Material Science	3	0	0	3
4.	ES	Basic Civil and Mechanical Engineering	3	0	0	3
5.	EE	Circuit Theory	3	1	0	4
6.	HS	Environmental Science And Engineering	3	0	0	3
PRACTICAL						
7.	BS	Physics and Chemistry Laboratory – II	0	0	2	1
8.	EE	Electric Circuits Laboratory	0	0	3	2
MANDATORY CREDIT COURSE						
9.	MCC	Yoga	0	0	2	1
		TOTAL	**18**	**3**	**7**	**25**

SEMESTER III

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	BS	Transforms and Partial Differential Equations	3	1	0	4
2.	EE	Measurements And Instrumentation	3	0	0	3
3.	ES	Object Oriented Programming	3	0	0	3
4.	EE	Electromagnetic Theory	3	1	0	4
5.	EE	Analog Electronics	3	1	0	4
6.	EE	Electrical Network & Synthesis	3	0	1	4
PRACTICAL						
7.	ES	Object Oriented Programming Laboratory	0	0	3	2
8.	EE	Analog Electronics Laboratory	0	0	3	2
MANDATORY CREDIT COURSE						
9.	MCC	Foreign Language	0	0	2	1
		TOTAL	**18**	**3**	**9**	**27**

SEMESTER IV

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	BS	Numerical methods	3	1	0	4
2.	EE	DC Machines And Transformers	3	1	0	4
3.	EE	Linear And Digital IC's	3	0	0	3
4.	EE	Transmission and Distribution	3	1	0	4
5.	EE	Digital Signal Processing	3	1	0	4
6.	EE	Communication Engineering	3	0	0	3
PRACTICAL						
7.	EE	DC Machines And Transformers Laboratory	0	0	3	2
8.	EE	Linear And Digital Integrated Circuits Laboratory	0	0	3	2
MANDATORY CREDIT COURSE						
9.	MCC	Technical Aptitude	0	0	2	1
		TOTAL	**18**	**4**	**8**	**27**

SEMESTER V

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	EE	Power System Analysis	3	0	0	3
2.	EE	Control Systems	3	1	0	4
3.	EE	Synchronous And Asynchronous Machines	3	1	0	4
4.	EE	Electrical Machine Design	3	1	0	4
5.	EE	Operation Research	3	0	0	3
6.	EE	Elective - I	3	0	0	3
PRACTICAL						
7.	EE	Synchronous And Asynchronous Machines Laboratory	0	0	3	2
8.	EE	Control And Instrumentation Laboratory	0	0	3	2
MANDATORY CREDIT COURSE						
9.	MCC	Energy Audit	0	0	2	1
		TOTAL	**18**	**3**	**8**	**26**

SEMESTER VI

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	EE	Power Electronics	3	0	0	3
2.	EE	Microprocessors And Microcontrollers	3	0	0	3
3.	EE	Power System Operation And Control	3	0	0	3
4.	EE	High Voltage Engineering	3	0	0	3
5.	PE	Elective II	3	0	0	3
6.	PE	Elective III	3	0	0	3
PRACTICAL						
7.	EE	Power Electronics Laboratory	0	0	3	2
8.	EE	Microprocessors And Microcontrollers Laboratory	0	0	3	2
MANDATORY CREDIT COURSE						
9.	MCC	Value Education, Human Rights And Legislative	0	0	2	1
		TOTAL	**18**	**0**	**8**	**23**

SEMESTER VII

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	EE	Solid State Drives	3	0	0	3
2.	EE	Protection And Switchgear	3	0	0	3
3.	EE	Electrical Safety	2	0	2	3
4.	EE	Professional Ethics	3	0	0	3
5.	PE	Elective IV	3	0	0	3
6.	PE	Elective V	3	0	0	3
PRACTICAL						
7.	EE	Power System Simulation Laboratory	0	0	3	2
8.	EE	Electrical Design Project	0	0	3	2
		TOTAL	**17**	**0**	**8**	**22**

SEMESTER VIII

S.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	EE	Energy Generation And Utilization	3	0	0	3
2.	EE	Embedded System Applied To Electrical Engineering	3	0	0	3
3.	EE	Project Work	0	0	12	6
		TOTAL	**6**	**0**	**12**	**12**

TOTAL CREDITS: 188

ELECTIVE – I

S. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1.		Advanced Control System	3	0	0	3
2.		Principles Of Management	3	0	0	3
3.		Biomedical Instrumentation	3	0	0	3
4.		Special Electrical Machines	3	0	0	3

ELECTIVE – II

S. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1.		Industrial Elective I(SCADA Systems And Applications)	3	0	0	3
2.		Industrial Elective II(Microcontroller And Applications)	3	0	0	3
3.		Open Elective I	3	0	0	3

ELECTIVE –III

S. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1.		Flexible AC Transmission Systems	3	0	0	3
2.		Power System Dynamics	3	0	0	3
3.		Applied Soft Computing	3	0	0	3
4.		Micro Electro Mechanical Systems	3	0	0	3

ELECTIVE - IV

S. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1.		Industrial Elective III (Power Electronics Application Renewable Energy)	3	0	0	3
2.		Industrial Elective IV (Industrial Instrumentation)	3	0	0	3
3		Open Elective II	3	0	0	3

ELECTIVE – V

S. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1		Power System De-Regulation	3	0	0	3
2		Advanced Digital Signal Processing	3	0	0	3
3		Industrial Robotics	3	0	0	3
4.		HVDC And EHVAC Systems	3	0	0	3

SUMMARY OF CREDITS										
Category	**I**	**II**	**III**	**IV**	**V**	**VI**	**VII**	**VIII**	**TOTAL**	**%**
Basic science (BS)	**11**	**8**	**4**	**4**					**27**	**14.36**
Humanities and Science (HS)	**4**	**7**							**11**	**5.85**
Engineering science (ES)	**11**	**3**	**5**						**19**	**10.10**
Professional core (PC)		**6**	**17**	**22**	**22**	**16**	**16**	**12**	**111**	**59.04**
Professional electives (PE)					**3**	**6**	**6**		**15**	**7.97**
Mandatory Course (MC)		**1**	**1**	**1**	**1**	**1**			**5**	**2.65**
Total	**26**	**25**	**26**	**27**	**26**	**23**	**22**	**12**	**188**	**100**

M.E., ELECTRICAL DRIVES AND CONTROL

CURRICULUM AND SYLLABUS

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	16ED01	Applied Mathematics for Electrical Engineers	3	1	0	4
2	16ED02	Analysis of Converters and Inverters	3	1	0	4
3	16ED03	Modelling and Analysis of DC Drives	3	0	0	3
4	16ED04	Design of Embedded Systems	3	0	0	3
5	16ED05	System Theory	3	0	0	3
6	16ED1_	Elective I	3	0	0	3
		TOTAL	**18**	**2**	**0**	**20**

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	16ED06	VLSI Architecture and Design Methodologies	3	0	0	3
2	16ED07	Digital Controller And Controller Design	3	0	0	3
3	16ED08	Modelling and Analysis of AC Drives	3	0	0	3
4	16ED2_	Elective II	3	0	0	3
5	16ED3_	Elective III	3	0	0	3
PRACTICAL						
6	16ED09	Electric Drives & Control Laboratory	0	0	3	2
7	16ED10	Digital Simulation of Power Electronic Circuits Laboratory	0	0	3	2
		TOTAL	**15**	**0**	**6**	**19**

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	16ED4_	Elective IV	3	0	0	3
2	16ED5_	Elective V	3	0	0	3
3	16ED6_	Elective VI	3	0	0	3
PRACTICAL						
4	16ED71	Project Work (Phase I)				
		TOTAL	**9**	**0**	**10**	**14**

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	16ED72	Project Work (Phase II)	0	0	20	10
2	16ED73	Publication	0	0	6	3
		TOTAL	**0**	**0**	**26**	**13**

TOTAL NUMBER OF CREDITS = 66

ELECTIVES FOR ELECTRICAL DRIVES AND CONTROL

ELECTIVE I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	16ED11	Digital Instrumentation	3	0	0	3
2	16ED12	Microcontroller Based System Design	3	0	0	3
3	16ED13	Real Time Systems	3	0	0	3

ELECTIVE II

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	16ED21	Programming with VHDL	3	0	0	3
2	16ED22	Power Quality	3	0	0	3
3	16ED23	Advanced Digital Signal Processing	3	0	0	3

ELECTIVE III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	16ED31	Diagnostic and Protection For Solid State System	3	0	0	3
2	16ED32	Special Electrical Machines & Drives	3	0	0	3
3	16ED33	Soft Computing Techniques	3	0	0	3

ELECTIVE IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	16ED41	Optimal Control and Filtering	3	0	0	3
2	16ED42	Application of MEMS Technology	3	0	0	3
3	16ED43	Power Electronics for Renewable Energy Systems	3	0	0	3

ELECTIVE V

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	16ED51	Robotics and control	3	0	0	3
2	16ED52	System Identification and Adaptive Control	3	0	0	3
3	16ED53	Solar and Energy Storage Systems	3	0	0	3

ELECTIVE VI

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	16ED61	Computer in Networking and Digital Control	3	0	0	3
2	16ED62	Wind Energy Conversion Systems	3	0	0	3
3	16ED63	Robust Control	3	0	0	3

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(ACCREDITED BY NBA)

CURRICULUM & SYLLABI

(REGULATION – 2016)

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

Krishnagiri - 635 104, Tamil Nadu
Phone No : 04343 266 067
Website : www.gcebargur.ac.in

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

DEPARTMENT OF ECE

VISION OF THE INSTITUTE

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

MISSION OF THE INSTITUTE

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

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

DEPARTMENT OF ECE

VISION OF THE DEPARTMENT

We envision our students to be excellent engineers not only in the field of science and technology, but also embed the greatest values of human life. Our commitment lies in producing good citizens, comprehensive knowledge seekers and remains as an asset in building a strong and developed nation.

MISSION OF THE DEPARTMENT

- To achieve the vision we should have hard working faculty who use effective teaching methodologies.
- To impart knowledge in the latest trends of technical education.
- To prepare our young students to become professionally and morally sound engineers.
- To teach global standards in production and value based living through a truthful and technical approach.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To prepare students to excel in their chosen career through holistic education
2. The graduates are able to apply the broad fundamental concepts in social and natural sciences, mathematics, and engineering, and the depth of knowledge gained in electronics and communication engineering, as professionals in their chosen careers.
3. To make students to innovatively design, simulate, develop, implement and test hardware and software components for offering solution to real life situations.
4. The graduates demonstrate effective communication skills, the ability to work well either individually or as part of a team, who have embraced lifelong learning values for continuous self and professional or career development.

PROGRAMME OUTCOMES (POs)

a) an ability to apply knowledge of mathematics, science, and engineering

b) an ability to design and conduct experiments, as well as to analyze and interpret data

c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

d) an ability to function on multidisciplinary teams

e) an ability to identify, formulate, and solve engineering problems

f) an understanding of professional and ethical responsibility

g) an ability to communicate effectively

h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

i) a recognition of the need for, and an ability to engage in life-long learning

j) a knowledge of contemporary issues

k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

l) an ability to stay abreast of emerging technologies through modelling, analyses, design and realize systems in the areas of electronics and communication.

B.E.ELECTRONICS AND COMMUNICATION ENGINEERING

[FULL TIME]

CURRICULUM FOR CANDIDATES

ADMITTED DURING 2016 -2017 AND ONWARDS

FIRST SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		TECHNICAL ENGLISH I	3	1	0	4
2		MATHEMATICS I	3	1	0	4
3		FUNDAMENTALS OF CIVIL AND MECHANICAL ENGINEERING	4	0	0	4
4		MATERIALS SCIENCE	3	0	0	3
5		APPLIED CHEMISTRY	3	0	0	3
6		COMPUTER PROGRAMMING	3	1	0	4
		PRACTICALS				
7		ENGINEERING PRACTICES LABARATORY	0	0	3	2
8		CHEMISTRY LABORATORY	0	0	3	2
9		PROGRAMMING LABORATORY	0	0	3	2
		TOTAL	19	3	9	28

SECOND SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		TECHNICAL ENGLISH II	3	1	0	4
2		MATHEMATICS II	3	1	0	4
3		ENGINEERING PHYSICS	3	0	0	3
4		ECONOMICS FOR ENGINEERS	3	0	0	3
5		ELECTRICAL ENGINEERING	3	0	0	3
6		SEMICONDUCTOR DEVICES	3	0	0	3
		PRACTICALS				
7		PHYSICS LABORATORY	0	0	3	2
8		ENGINEERING GRAPHICS	2	0	3	4
9		ELECTRICAL ENGINEERING LABORATORY	0	0	3	2
		TOTAL	18	2	9	28

THIRD SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS	3	1	0	4
2		CIRCUIT THEORY	3	1	0	4
3		ELECTRONIC CIRCUIT DESIGN	3	0	0	3
4		DIGITAL ELECTRONICS	3	1	0	4
5		SIGNALS AND SYSTEMS	3	1	0	4
6		ENVIRONMENTAL SCIENCE AND ENGINEERING	3	0	0	3
		PRACTICALS				
7		DEVICES AND CIRCUITS LABORATORY	0	0	3	2
8		ELECTRONIC CIRCUITS LABORATORY	0	0	3	2
		ZERO CREDIT THEORY COURSE				
9		VALUE EDUCATION, HUMAN RIGHTS AND LEGISLATIVE PROCEDURES	3	0	0	0
		TOTAL	21	4	6	26

FOURTH SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		PROBABILITY AND RANDOM PROCESSES	3	1	0	4
2		ANALOG INTEGRATED CIRCUITS	3	0	0	3
3		ANALOG COMMUNICATION	3	0	0	3
4		ELECTROMAGNETIC WAVES AND WAVEGUIDES	3	0	0	3
5		CONTROL SYSTEM	3	0	0	3
6		DATA STRUCTURES AND OBJECTED ORIENTED PROGRAMMING	3	0	0	3
		PRACTICALS				
7		INTEGRATED CIRCUITS LABORATORY	0	0	3	2
8		DATA STRUCTURES AND OBJECTED ORIENTED PROGRAMMING LABORATORY	0	0	3	2
		ONE CREDIT PRACTICAL COURSE				
9		MINIPROJECT	0	0	3	1
		TOTAL	18	1	9	24

FIFTH SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		DIGITAL SIGNAL PROCESSING	3	1	0	4
2		MICROPROCESSORS AND MICROCONTROLLERS	3	0	0	3
3		DIGITAL COMMUNICATION	3	0	0	3
4		COMPUTER ARCHITECTURE AND ORGANIZATION	3	0	0	3
5		ANTENNA AND WAVE PROPAGATION	3	0	0	3
6		ELECTIVE I	3	0	0	3
		PRACTICALS				
7		ANALOG AND DIGITAL COMMUNICATION LABORATORY	0	0	3	2
8		MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	0	0	3	2
		ZERO CREDIT THEORY COURSE				
9		ENERGY STUDIES	3	0	0	0
		TOTAL	21	1	6	23

SIXTH SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		MANAGEMENT THEORY AND PRACTICE	3	0	0	3
2		VLSI DESIGN	3	0	0	3
3		EMBEDDED SYSTEMS	3	0	0	3
4		COMPUTER COMMUNICATION	3	0	0	3
5		ELECTIVE II	3	0	0	3
6		ELECTIVE III	3	0	0	3
		PRACTICALS				
7		EMBEDDED SYSTEM AND NETWORK LABORATORY	0	0	3	2
8		DSP & VLSI LABORATORY	0	0	3	2
		ONE CREDIT PRACTICAL COURSE				
9		COMMUNICATION NETWORKS PROJECT	0	0	2	1
		TOTAL	18	0	8	23

SEVENTH SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		MICROWAVE AND RF SYSTEMS	3	0	0	3
2		BIOMEDICAL INSTRUMENTATION	3	0	0	3
3		WIRELESS COMMUNICATION	3	0	0	3
4		FIBER OPTIC COMMUNICATION	3	0	0	3
5		ELECTIVE IV	3	0	0	3
6		ELECTIVE V	3	0	0	3
		PRACTICALS				
7		MICROWAVE AND OPTICAL LABORATORY	0	0	3	2
8		PROJECT PHASE I	0	0	3	2
		ZERO CREDIT THEORY COURSE				
9		FOREIGN LANGUAGE	3	0	0	0
		TOTAL	21	0	6	22

EIGTH SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		ELECTIVE VI	3	0	0	3
2		ELECTIVE VII	3	0	0	3
		PRACTICALS				
3		PROJECT WORK AND VIVA VOCE	0	0	12	6
		TOTAL	6	0	12	12

LIST OF ELECTIVES FOR B.E. ELECTRONICS AND COMMUNICATION ENGINEERING

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		AUTOMOTIVE ELECTRONIC SYSTEMS	3	0	0	3
2		RELATIONAL DATABASE MANAGEMENT SYSTEMS	3	0	0	3
3		OPERATING SYSTEMS	3	0	0	3
4		MEASUREMENT AND INSTRUMENTATION	3	0	0	3
5		TV AND VIDEO ENGINEERING	3	0	0	3
6		STATISTICAL THEORY OF COMMUNICATION	3	0	0	3
7		SPREAD SPECTRUM TECHNIQUES	3	0	0	3
8		ADVANCED DIGITAL SIGNAL PROCESSING	3	0	0	3
9		VLSI SIGNAL PROCESSING	3	0	0	3
10		SOFTWARE ENGINEERING	3	0	0	3
11		NEURAL NETWORKS	3	0	0	3
12		RADAR SYSTEMS	3	0	0	3
13		IMAGE PROCESSING	3	0	0	3
14		MULTIMEDIA COMPRESSION TECHNIQUES	3	0	0	3
15		MEMS	3	0	0	3
16		AVIONICS	3	0	0	3
17		PROFESSIONAL ETHICS	3	0	0	3
18		DSP SYSTEM DESIGN	3	0	0	3
19		NANO ELECTRONICS	3	0	0	3
20		SOFT COMPUTING	3	0	0	3
21		TOTAL QUALITY MANAGEMENT	3	0	0	3
23		POWER ELECTRONICS	3	0	0	3
24		VLSI TESTING	3	0	0	3
25		NETWORK SECURITY	3	0	0	3
26		INDUSTRIAL AUTOMATION AND ROBOTICS	3	0	0	3
27		WIRELESS SENSOR NETWORKS	3	0	0	3
28		ARTIFICIAL INTELLIGENCE	3	0	0	3
29		SOFTWARE RADIO	3	0	0	3
30		REAL TIME SYSTEMS	3	0	0	3
31		OPTOELECTRONICS	3	0	0	3
32		TELECOMMUNICATION SWITCHING NETWORKS	3	0	0	3
33		ANTENNA DESIGN	3	0	0	3
34		MOBILE AD HOC NETWORKS	3	0	0	3
35		OPTIMISATION IN ENGINEERING	3	0	0	3
36		WAVELET TRANSFORM AND APPLICATIONS	3	0	0	3

37		**COGNITIVE RADIO**	**3**	**0**	**0**	**3**
38		**4G TECHNOLOGIES**	**3**	**0**	**0**	**3**
39		**GENETIC ALGORITHMS**	**3**	**0**	**0**	**3**
40		**ASIC DESIGN**	**3**	**0**	**0**	**3**
41		**MANAGEMENT INFORMATION SYSTEM**	**3**	**0**	**0**	**3**
42		**GREEN COMPUTING**	**3**	**0**	**0**	**3**

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(ACCREDITED BY NBA)

M.E. APPLIED ELECTRONICS

CURRICULUM & SYLLABI

(REGULATION – 2016)

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

Krishnagiri - 635 104, Tamil Nadu
Phone No : 04343 266 067
Website : www.gcebargur.ac.in

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

DEPARTMENT OF ECE

VISION OF THE INSTITUTE

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

MISSION OF THE INSTITUTE

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

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

DEPARTMENT OF ECE

VISION OF THE DEPARTMENT

We envision our students to be excellent engineers not only in the field of science and technology, but also embed the greatest values of human life. Our commitment lies in producing good citizens, comprehensive knowledge seekers and remains as an asset in building a strong and developed nation.

MISSION OF THE DEPARTMENT

- To achieve the vision we should have hard working faculty who use effective teaching methodologies.
- To impart knowledge in the latest trends of technical education.
- To prepare our young students to become professionally and morally sound engineers.
- To teach global standards in production and value based living through a truthful and technical approach.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

PEO1. To demonstrate the education skills that will enable to integrate fundamentals with advanced knowledge to provide solutions to complex electronics engineering problems.

PEO2. To provide a successful career in electronic system design or associated industries or research and higher education, or as entrepreneurs.

PEO3. To develop the ability and attitude to adapt to evolving technological challenges

PROGRAMME OUTCOMES (PO)

a) Graduates will demonstrate knowledge of fuzzy logic and matrix theory, random variables and probability functions, dynamic programming and queuing models.

b) Graduates will demonstrate an ability to identify, analyze and develop solutions to solve complex problems using digital signal processing techniques.

c) Graduates will demonstrate an ability to design advanced digital circuits and analyze them through Simulation and practice.

d) Graduates will demonstrate an ability to design digital and analog VLSI circuits and analyze them through simulation and practice and to understand and program advanced microprocessors and microcontrollers and analyze them for embedded applications.

e) Graduates will demonstrate an ability to visualize and work on laboratory and multi-disciplinary tasks.

f) Graduates will demonstrate skills to use modern electronics design and simulation tools (both software and hardware) to analyze problems.

g) Graduates will demonstrate knowledge of professional and ethical responsibilities.

h) Graduates will be able to communicate effectively in both verbal and written form.

i) Graduates will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.

j) Graduates will develop confidence for self-education and ability for lifelong learning.

k) Graduates will be able to participate and succeed in competitive examinations.

l) Graduates will demonstrate an ability as an individual or as a member of a team to solve complex and socially relevant engineering problems.

M.E. APPLIED ELECTRONICS

[FULL TIME]

CURRICULUM FOR CANDIDATES

ADMITTED DURING 2016 -2017 AND ONWARDS

FIRST SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		APPLIED MATHEMATICS FOR ELECTRONICS ENGINEERS	3	1	0	4
2		ADVANCED DIGITAL SIGNAL PROCESSING	3	1	0	4
3		ADVANCED DIGITAL LOGIC SY-STEM DESIGN	3	0	0	3
4		ADVANCED MICROPROCESSOR AND MICROCONTROLLER	3	0	0	3
5		ELECTIVE I	3	0	0	3
6		ELECTIVE II	3	0	0	3
		PRACTICALS				
7		ELECTRONICS SYSTEM DESIGN LABORATORY I	0	0	3	2
		TOTAL	18	2	3	22

SECOND SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		ANALYSIS AND DESIGN OF ANALOG INTEGRATED CIRCUITS	3	0	0	3
2		ASIC AND FPGA DESIGN	3	0	0	3
3		EMBEDDED SYSTEMS	3	0	0	3
4		MULTICORE ARCHITECTURES	3	0	0	3
5		ELECTIVE III	3	0	0	3
6		ELECTIVE IV	3	0	0	3
		PRACTICALS				
7		ELECTRONICS SYSTEM DESIGN LABORATORY II	0	0	3	2
		TOTAL	18	0	3	20

THIRD SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		ELECTROMAGNETIC INTERFERENCE AND COMPATIBILITY	3	0	0	3
2		ELECTIVE V	3	0	0	3
3		ELECTIVE VI	3	0	0	3
		PRACTICALS				
4		PROJECT WORK (PHASE I)	0	0	12	6
		TOTAL	9	0	12	15

FOURTH SEMESTER

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
		THEORY				
1		PROJECT WORK (PHASE II)	0	0	24	12
		TOTAL	0	0	24	12

TOTAL NO. OF CREDITS: 69

LIST OF ELECTIVES

ELECTIVE I

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		ADVANCED DIGITAL IMAGE PROCESSING	3	0	0	3
2		WAVELET TRANSFORMS AND APPLICATIONS	3	0	0	3
3		SOFT COMPUTING	3	0	0	3
4		COMPUTER ARCHITECTURE AND PARALLEL PROCESSING	3	0	0	3
5		THREE DIMENSIONAL NETWORK ON CHIP	3	0	0	3

ELECTIVE II

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		CAD FOR VLSI CIRCUITS	3	0	0	3
2		DIGITAL CONTROL ENGINEERING	3	0	0	3
3		HARDWARE - SOFTWARE CO DESIGN	3	0	0	3
4		QUANTUM ELECTRONICS	3	0	0	3
5		SENSORS AND SIGNAL CONDITIONING	3	0	0	3

ELECTIVE III

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		VLSI DESIGN TECHNIQUES	3	0	0	3
2		LOW POWER VLSI DESIGN	3	0	0	3
3		FIBER OPTIC SENSORS	3	0	0	3
4		DSP INTEGRATED CIRCUITS	3	0	0	3
5		RF SYSTEM DESIGN	3	0	0	3
6		ANALOG AND MIXED MODE VLSI DESIGN	3	0	0	3

ELECTIVE IV

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		ANALOG VLSI DESIGN	3	0	0	3
2		PHYSICAL DESIGN OF VLSI CIRCUITS	3	0	0	3
3		VLSI SIGNAL PROCESSING	3	0	0	3
4		DATA CONVERTERS	3	0	0	3
5		SOLID STATE DEVICE MODELING AND SIMULATION	3	0	0	3
6		HIGH PERFORMANCE NETWORKS				

ELECTIVE V

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		TESTING OF VLSI CIRCUITS	3	0	0	3
2		VLSI FOR WIRELESS COMMUNICATION	3	0	0	3
3		PHOTONICS	3	0	0	3
4		NANO ELECTRONICS	3	0	0	3
5		PATTERN RECOGNITION	3	0	0	3
6		OPTICAL COMPUTING				

ELECTIVE VI

SL NO	COURSE CODE	COURSE TITLE	CREDITS			
			L	T	P	C
1		ROBOTICS	3	0	0	3
2		OPTICAL IMAGING TECHNIQUES	3	0	0	3
3		MEMS AND NEMS	3	0	0	3
4		SPEECH AND AUDIO SIGNAL PROCESSING	3	0	0	3
5		SYSTEM ON CHIP DESIGN	3	0	0	3
6		RECONFIGURABLE COMPUTING	3	0	0	3
7		WIRELESS ADHOC AND SENOR NETWORKS	3	0	0	3

GOVERNMENT COLLEGE OF ENGINEERING , BARGUR

(Permanently Affiliated to Anna University, Chennai)

Krishnagiri District– 635 104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(**Accredited by NBA**)

VISION OF THE INSTITUTE

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

MISSION OF THE INSTITUTE

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

VISION OF THE DEPARTMENT

To endow with exceptional computer science education by building well-built training and research environment.

MISSION OF THE DEPARTMENT

To offer high quality graduate program in computer science and to prepare students for professional career or higher studies. the department provides brilliance in teaching, research mutual activities and constructive assistance to the public.

GOVERNMENT COLLEGE OF ENGINEERING , BARGUR
(Permanently Affiliated to Anna University, Chennai)
Krishnagiri District– 635 104
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(**Accredited by NBA**)

Program Outcomes

The Program Outcomes of UG in Computer science and Engineering are:

a. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline.
b. An ability to analyse a problem, and identify and formulate the computing requirements appropriate to its solution.
c. An ability to design, implement, and evaluate a computer based system, process, component, or program to meet desired needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d. An ability to design and conduct experiments, as well as to analyse and interpret data.
e. An ability to use current techniques, skills, and modern tools necessary for computing practice.
f. An ability to analyse the local and global impact of computing on individuals, organizations, and society.
g. Knowledge of contemporary issues.
h. An understanding of professional, ethical, legal, security and social issues and responsibilities.
i. An ability to function effectively individually and on teams, including diverse and multidisciplinary, to accomplish a common goal.
j. An ability to communicate effectively with a range of audiences.
k. Recognition of the need for and an ability to engage in continuing professional development.
l. An understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects.

GOVERNMENT COLLEGE OF ENGINEERING , BARGUR
(Permanently Affiliated to Anna University, Chennai)
Krishnagiri District– 635 104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(**Accreditated by NBA**)

The Program Educational Objectives of Computer Science and Engineering are as follows:

PEO 1: Excel in professional career and/or higher education by acquiring knowledge in mathematical, computing and engineering principles

PEO 1.1. Progress in professional career
PEO 1.2. Higher education

PEO 2: Analyze real life problems, design computing systems appropriate to its solutions that are technically sound, economically feasible and socially acceptable

PEO 2.1. Analyse real life problem

PEO 2.2. Design and develop economically feasible and socially acceptable Computing Solutions

PEO 3: Exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends by engaging in life long learning.

PEO 3.1. Professional conduct and interpersonal skills
PEO 3.2. Adapting to current trends in technology

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR
R-2016
B.E. COMPUTER SCIENCE AND ENGINEERING
[FULL TIME]
I TO VIII SEMESTER CURRICULUM AND SYLLABUS
ADMITTED DURING 2016 -2017 AND ONWARDS
SEMESTER I

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**HS**	Technical English– I	2	2	0	3
2.	**BS**	Mathematics – I	3	1	0	4
3.	**BS**	Applied Chemistry	3	0	0	3
4.	**ES**	Computer Programming	3	0	0	3
5.	**ES**	Engineering Graphics	2	0	3	4
6.	**HS**	Value Education, Human Rights And Legislative Procedures	3	0	0	1
PRACTICALS						
8.	**ES**	Engineering Practices Laboratory (Civil & Mech)	0	0	3	2
9.	**BS**	Chemistry Laboratory	0	0	3	2
9.	**ES**	Computer Programming Laboratory	0	0	3	2
TOTAL			16	3	12	24

SEMESTER II

No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**HS**	Technical English– II	3	1	0	3
2.	**BS**	Mathematics -II	3	1	0	4
3.	**BS**	Engineering Physics	3	0	0	3
4.	**CS**	Data Structures	3	0	0	3
5.	**ES**	Principles of Digital Systems	3	0	0	3
6.	**ES**	Basic Electric Circuits and Electron Devices	3	0	0	3
	HS Mandatory Credit Course	YOGA	0	0	0	1
PRACTICALS						
7.	BS	Physics Laboratory	0	0	3	2
8.	CS	Data Structures Laboratory.	0	0	3	2
9.	ES	Digital Laboratory	0	0	3	2
TOTAL			18	2	9	26

SEMESTER III

No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**BS**	Transforms and Partial Differential Equations	3	1	0	4
2.	**CS**	Object Oriented Programming using C++ and Java	3	0	0	3
3.	**CS**	Operating Systems	3	0	0	3
4.	**CS**	Computer Architecture and Organization	3	0	0	3
5.	**BS**	Environmental Science and Engineering	3	0	0	1
6.	**ES**	Analog and Digital Communication	3	0	0	3
7.	**EEC Mandatory Credit Course**	Academic Writing	0	0	1	1
PRACTICALS						
8.	CS	Object Oriented Programming Lab	0	0	3	2
9.	CS	Operating Systems Lab	0	0	3	2
10.	EEC	Business Communication Skills	0	0	3	2
TOTAL			18	1	10	24

SEMESTER IV

No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**BS**	Probability and Queuing Theory	3	1	0	4
2.	**CS**	Software Engineering	3	0	0	3
3.	**CS**	Database Management Systems	3	0	0	3
4.	**CS**	Design and Analysis of Algorithms	3	0	0	3
5.	**CS**	Microprocessor and Microcontroller	3	0	0	3
6.	**PE**	**Department Elective -1**	3	0	0	3
7.	**Mandatory Non Credit Course**	Fast Arithmetic	0	0	1	0
PRACTICALS						
8.	CS	Algorithms Lab	0	0	3	2
9.	CS	Database Management systems Lab	0	0	3	2
10.	CS	Microprocessor and Microcontroller Lab	0	0	3	2
TOTAL			18	1	10	25

SEMESTER V

No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**BS**	Discrete Mathematics	3	0	0	3
2.	**EEC**	**PC Hardware Troubleshooting**	2	0	2	3
3.	**CS**	Computer Networks	3	0	0	3
4.	**CS**	Object Oriented Analysis and Design	3	0	0	3
5.	**PE**	**Department Elective – 2**	3	0	0	3
6.	**PE**	**Department Elective – 3**	3	0	0	3
7.	**HS-Mandatory Credit Course**	**Common Errors in English**	0	0	2	1
PRACTICALS						
8.	**CS**	Computer Networks Laboratory	0	0	3	2
9.	**EEC**	MINOR PROJECT	0	0	6	4
TOTAL			17	0	13	25

SEMESTER VI

No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**CS**	Mobile Computing and Application Development	3	0	0	3
2.	**CS**	Compiler Design	3	0	0	3
3.	**CS**	Theory of Computation	3	0	0	3
4.	**PE**	**Department Elective -4**	3	0	0	3
5.	**PE**	**Department Elective -5**	3	0	0	3
6.	**OE**	**Open Elective -1**	3	0	0	3
7.	**Mandatory Non Credit Course**	**Interpersonal Skills**	0	0	1	0
PRACTICALS						
8.	**CS**	Mobile Application Development Laboratory	0	0	3	2
9.	**CS**	Compiler Laboratory	0	0	3	2
10.	**CS**	Computational Lab	0	0	3	2
TOTAL			18	0	10	24

SEMESTER VII

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**HS**	Management Theory And Practice	3	0	0	3
2.	**OE**	**Open Elective -2(Industry Relevant Certification)**	3	0	0	1
3.	**PE**	**Department Elective-6**	3	0	0	3
4.	**CS**	Cryptography and Network Security	3	0	0	3
5.	**PE**	**Department Elective - 7**	3	0	0	3
6.	**OE**	**Open Elective - 3**	3	0	0	3
PRACTICALS						
7.	**CS**	Cryptography and Network Security Laboratory	0	0	3	2
8.	**EEC**	Usage of Open Source Tools	0	0	3	2
TOTAL			18	0	7	21

SEMESTER VIII

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	**OE**	**Open Elective – 4 (Other Languages)**	3	0	0	1
2.	**OE**	**Open Elective - 5**	3	0	0	3
PRACTICALS						
3.	**EEC**	**Major Project Work**	0	0	12	6
4.	**EEC**	Journal and conference Presentation	0	0	3	1
TOTAL			6	0	15	11

DEPARTMENT ELECTIVE 1

S.NO	COURSE CODE	COURSE TITLE		L	T	P	C
THEORY							
1.		Internet Programming		3	0	0	3
2.		Data Warehousing and Data Mining		3	0	0	3
3.		C# and .Net programming		3	0	0	3
4.		Digital Image Processing		3	0	0	3
5.		Industrial Elective		3	0	0	3

DEPARTMENT ELECTIVE 2

S.NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Bio Informatics	3	0	0	3
2.		Visual Programming	3	0	0	3
3.		TCP/IP design and Development	3	0	0	3
4.		Software Quality Assurance	3	0	0	3
5.		Industrial Elective	3	0	0	3

DEPARTMENT ELECTIVE 3

S.NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Speech Processing	3	0	0	3
2.		Multimedia Systems	3	0	0	3
3.		Unix Internals	3	0	0	3
4.		Software Testing	3	0	0	3
5.		Industrial Elective	3	0	0	3

DEPARTMENT ELECTIVE 4

S.NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Advanced Database Technology	3	0	0	3
2.		Advanced Computer Architecture	3	0	0	3
3.		Network Analysis and Management	3	0	0	3
4.		User Interface Design	3	0	0	3
5.		Industrial Elective	3	0	0	3

DEPARTMENT ELECTIVE – 5

S.NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Social Network Analysis	3	0	0	3
2.		MultiCore architecture and programming	3	0	0	3
3.		Distributed Systems	3	0	0	3
4.		Information Retrieval	3	0	0	3
5.		Industrial Elective	3	0	0	3

DEPARTMENT ELECTIVE – 6

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Cyber Forensics	3	0	0	3
2.		Virtual Reality	3	0	0	3
3.		Agent based intelligence	3	0	0	3
4.		Soft Computing	3	0	0	3
5.		Industrial Elective	3	0	0	3

DEPARTMENT ELECTIVE 7

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Nano Computing	3	0	0	3
2.		Service Oriented Architecture	3	0	0	3
3.		Software Project Management	3	0	0	3
4.		Cloud Computing	3	0	0	3
5.		Industrial Elective	3	0	0	3

OPEN ELECTIVE 1

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Engineering Economics & Financial Accounting	3	0	0	3
2.		Total Quality Management	3	0	0	3
3.		Disaster Management And Mitigation	3	0	0	3
4.		Intellectual Property Rights	3	0	0	3
5.		Global Warming And Climate Change	3	0	0	3
6.		Indian Constitution And Society	3	0	0	3
7.		Water Pollution And Its Management	3	0	0	3

OPEN ELECTIVE 2 [INDUSTRY RELEVANT CERTIFICATION]

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Industry Relevant Certification to be obtained by the students after getting permission from the Class Committee Faculty . Courses will be arranged in the campus and Each student has to compulsorily attend the same and get certified . Certification done in industries will be accepted if prior permission is taken and the course is of high value. The grades will be given by the Course instructor after evaluation. Eg., Red Hat Linux, Data Analytics, Java Certification , Animation , Infrastructure management Services, CISCO certification , VMware Expert ,Oracle certification etc.	3	0	0	1

OPEN ELECTIVE 3

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Digital Signal Processing	3	0	0	3
2.		Embedded Systems	3	0	0	3
3.		BioMedical Instrumentation	3	0	0	3
4.		Wireless Communications	3	0	0	3
5.		Fibre Optic Communications	3	0	0	3
6.		Wireless Sensor Networks	3	0	0	3
7.		4G Technology	3	0	0	3

OPEN ELECTIVE 4 [Other Languages]

A student has to undergo one language other than his Native Language

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Japanese Language Phase I	3	0	0	1
2.		Korean Language Phase I	3	0	0	1
3.		Chinese Language Phase I	3	0	0	1
4.		French Language Phase I	3	0	0	1
5.		German Language Phase I	3	0	0	1
6.		Hindi Language Phase I	3	0	0	1
7.		Russian language Phase I	3	0	0	1

OPEN ELECTIVE 5

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Numerical Methods	3	0	0	3
2.		Resource management Techniques	3	0	0	3
3.		Mathematics for competitive Examinations	3	0	0	3
4.		Statistical Techniques in Data Mining	3	0	0	3
5.		Fuzzy Mathematics	3	0	0	3
6.		Graph Theory	3	0	0	3
7.		Programming in MATLAB	3	0	0	3

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR
R-2016
M.E. COMPUTER SCIENCE AND ENGINEERING
I TO IV SEMESTER CURRICULUM AND SYLLABUS

SEMESTER I

SL.No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	16PCS1T- MA1	Advanced Computational Mathematics	3	1	0	4
2.	16PCS1T- CS1	Advanced Data Structures and Algorithm Analysis	3	0	0	3
3.	16PCS1T- CS2	Advanced Software Development Methodologies	3	0	0	3
4.	16PCS1T- CS3	Multi Core Architecture	3	0	0	3
5.	16PCS1T- CS4	Advanced Operating Systems	3	0	0	3
PRACTICALS						
6.	16PCS1P-CS5	Advanced Data Structures and Algorithm Analysis Lab	0	0	4	2
7.	16PCS1P-CS6	Professional Practices	0	0	2	1
TOTAL			15	1	6	19

SEMESTER II

SL.No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	16PCS2T- CS7	Advanced Databases Management Systems	3	0	2	4
2.	16PCS2T- CS8	Advanced Compiler Techniques	3	0	0	3
3.	16PCS2T- CS9	Machine Learning	3	0	0	3
4.	16PCS2T- CS10	Advanced Networking Technologies	3	0	2	4
5.	16PCS2T- CS11	Cloud Computing and Virtualization Techniques	3	0	0	3
6.		Elective-I	3	0	0	3
PRACTICALS						
7.	16PCS2P- CS12	Cloud Computing and Virtualization Lab	0	0	4	2
TOTAL			18	0	8	22

SEMESTER III

SL.No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	16PCS3T- CS13	Social Network Mining and Security Analysis	3	0	0	3
2.		Elective-II	3	0	0	3
3.		Elective-III	3	0	0	3
4.		Elective-IV	3	0	0	3
PRACTICAL						
5.	16PCS3L- CS14	Project Phase - I	0	0	12	6
TOTAL			12	0	12	18

SEMESTER IV

SL.No	COURSE CODE	COURSE TITLE	L	T	P	C
PRACTICAL						
1.	16PCS4L- CS15	Project Phase - II	0	0	24	12
			0	0	24	12

B.E.MECHANICAL ENGINEERING
[FULL TIME]
CURRICULUM FOR CANDIDATES
ADMITTED DURING 2016 -2017 AND ONWARDS

Semester	Subject code	Title	Theory/Practical	Credits
1		Technical English	Theory	3
1		Mathematics -1	Theory	4
1		Applied Physics	Theory	3
1		Engineering Graphics	Theory	4
1		Basic Mechanical & Civil Engg.	Theory	3
1		Programming with "C"	Theory	3
1		*Engineerig Workshop - 1*	*Practical*	*2*
1		*Physics Lab*	*Practical*	*2*
1		*C Programming Lab*	*Practical*	*2*
2		Technical Communication& Soft skills	Theory	3
2		Mathematics - 2	Theory	4
2		Applied Chemistry	Theory	3
2		Machine Drawing	Theory	4
2		Production Technology	Theory	3
2		Engineering Mechanics	Theory	4
2		*Computer Aided Drawing lab*	*Practical*	*2*
2		*Chemistry Lab*	*Practical*	*2*
3		Environmental Science and Engineering	Theory	3
3		Mathematics - III	Theory	4
3		Engineering Thermodynamics	Theory	3
3		Fluid Mechanics& Machinary	Theory	3
3		Electrical Machines	Theory	3
3		Material Science	Theory	3
3		*Fluid Mechanics& Machinary lab*	*Practical*	*2*
3		*Electrical Machines lab*	*Practical*	*2*
3		*Production Technology Lab*	*Practical*	*2*
4		Energy Engineering	Theory	3
4		Mathematics - IV	Theory	3
4		Strenght of Materials	Theory	3
4		Thermal Engineering	Theory	3
4		Electronis and microprocessor	Theory	3
4		Theory of Machines - 1	Theory	4
4		*Strenght of Materials lab*	*Practical*	*2*
4		*Electronics Lab*	*Practical*	*2*
5		Professional Ethics& Human Valus	Theory	3
5		Soft computing techniques	Theory	3
5		Theory of Machines - 2	Theory	3
5		Machine Design-I	Theory	4
5		Heat and Mass Transfer	Theory	3
5		Finite Element Analysis	Theory	4
5		*Dynamics Lab*	*Practical*	*2*
5		*Simulation lab*	*Practical*	*2*
5		*Thermal Engineering Lab*	*Practical*	*2*
6		Operations Research	Theory	3
6		CAD/CAM	Theory	3
6		Gas Dynamics and jet propulsion	Theory	3
6		Automobile engineering	Theory	3
6		Mechatronics	Theory	3
6		Engineering Economics	Theory	3
6		*Heat and Mass Transfer lab*	*Practical*	*2*
6		*CAM Lab*	*Practical*	*2*
6		*Mini project*	*Project*	*2*

Semester	Subject code	Title	Theory/Practical	Credits
7		Machine Design - II	Theory	4
7		Total Quality Management	Theory	3
7		Measurement and Instrumentaion	Theory	3
7		Elective 1	Theory	3
7		Elective 2	Theory	3
7		*Metrology lab*	*Practical*	*3*
7		*Project Phase -1*	*Practical*	*2*
7		*Internship/inplan training presentation*	Mandatory	*2*
8		Elective 3	Theory	3
8		Project Phase -2	Practical	3
8		Publication of project work	Mandatory	2
				31

Total **180**

Elective-1
Advanced I.C. Engines
Design of Jigs, Fixtures and Press Tools
Engineering Tribology
Non Destructive Testing and Materials

Elective-2
Turbomachines
Hydraulics and Pneumatics
Unconventional Machining Processes
Fundamentals of Nanoscience

Elective-3
Refrigeration and Air conditioning
Micro Electro Mechanical Systems
Industrial safty and regulations
Energy Auditing and Management

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR—635 104

Regulations for Full Time candidates admitted during the academic year 2016 - 2017 and onwards

1. CONDITIONS FOR ADMISSION

Candidates for admission to the first year of the Four year B.E./ B.Tech Degree course shall be required to have passed,

i. the Higher Secondary Examination (Academic Stream) conducted by the Government of Tamilnadu, with Mathematics, Physics and Chemistry

(or)

ii. the Higher Secondary Examination (Vocational Stream offering the Vocational groups of Engineering and Technology) conducted by the Government of TamilNadu.

(or)

iii. the Diploma Examination in Engineering conducted by the State Board of Technical Education and Training, Tamil Nadu.

(or)

iv. an Examination of any University or Authority, accepted by the Syndicate of the Anna University as equivalent thereto.

(or)

v. any other examination as notified by the Government of Tamil Nadu.

Candidates who have passed the Diploma in Engineering/Technology conducted by the State Board of Technical Education and Training are eligible for admission to the First Semester / Third Semester under Lateral Entry Scheme of the B.E. / B.Tech Degree Programmes.
Any other conditions as notified by the Government of Tamil Nadu.

2. BRANCHES OF STUDY

Branches will be offered at the time of admission to the course. The following are the branches offered in this college.

1. B.E. Computer Science and Engineering
2. B.E. Mechanical Engineering
3. B.E. Electrical and Electronics Engineering
4. B.E. Electronics and Communication Engineering

3. STRUCTURE OF PROGRAMMES

3.1 Every programme shall have a curriculum with well – defined syllabi comprising of both theory and practical courses such as :

i. General core courses comprising Mathematics, Basic Sciences, Engineering Sciences, Humanities and Engineering arts.
ii. Core courses of Engineering / Technology
iii. Elective courses for specialization in related fields
iv. Workshop practice, computer practice, engineering graphics, laboratory work, industrial training, seminar presentation, project work, educational tours, camps etc.
v. NCC / NSS / NSO / YRC activities for character development.

3.2 The subjects of study shall be both theory and practical and shall be in accordance with the prescribed syllabus.

3.3 Each semester curriculum shall normally have a blend of lecture courses not exceeding 6 and practical courses not exceeding 4.

3.4 A Student who has passed all the subjects prescribed in the curriculum for the award of the degree shall not be permitted to-enroll to improve his / her credits in a subject or the GPA.

3.5 The medium of instruction, examinations and project report shall be in English, except for courses on language other than English.

4. DURATION OF THE PROGRAMME

The duration of the programme for the Degree of B.E. / B.Tech Programme shall be four academic years with semester pattern. The number of working days will be **90** days (which includes the days for conducting unit tests) or **450** Hours or **540** periods of each 50 minutes duration for semester pattern. The number of working days is to be calculated excluding study holidays, Government holidays and end – semester examination days. The Head of the Department shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

5. SYSTEM OF EXAMINATION

Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) an end semester examination.

THEORY

End semester Examinations will be conducted in all the theory subjects of study at the end of each semester for all the courses. The maximum marks of each subject shall be 100, out of which the continuous internal assessment will carry 20 marks, while the end semester Examination will carry 80 marks.

To arrive the internal mark the following guidelines are to be followed.

(i) Test (3 Nos.) { each test is to be conducted for 50 Marks} : 60 Marks
(ii) Assignment (3 Nos.) : 30 Marks
(iii) Attendance* : 10 Marks
---
100 Marks

Total 100 Marks should be reduced to 20 Marks

* Attendance (10 Marks)

Percentage of attendance	Marks
75	0
76 - 80	2
81 - 84	4
85 - 89	6
90 - 94	8
95 and above	10

PRACTICAL

The Practical classes for all the Practical / Lab component courses will be assessed continuously and marks will be entered in the prescribed proforma. The progress of Practical classes will be monitored by a committee formed by the concerned Head of the Departments / Professor in-charge of the course to ensure that the concerned staff conducts the laboratory experiments as specified in the syllabus. The proforma should be submitted at the end of the each month for approval of Principal / Chairman, Board of Examination. The maximum marks for the Practical / Lab component courses shall be 100, out of which the continuous internal assessment will carry 20 marks, while the end semester practical examination will carry 80 marks. If any practical course contains Part A and Part B components, the maximum marks for each Part of the lab will be 50 marks, out of which the continuous internal assessment will carry 10 marks, while the end semester practical examination will carry 40 marks. The award of the end semester practical examination marks shall be conducted by both the Internal and External examiners. To arrive the internal mark the following guidelines are to be followed.

(i) Continuous Assessment : 50 Marks

(ii) Test (minimum one) : 40 Marks

(iii) Attendance* : 10 Marks

Total 100 Marks should be reduced to 20 Marks

*Attendance (10) Marks

Percentage of attendance	Marks
75	0
76 - 80	2
81 - 84	4
85 - 89	6
90 - 94	8
95 and above	10

PROJECT WORK AND VIVA - VOCE

For the project work and viva-voce examination the maximum marks shall be 200 comprising of 50 marks for internal assessment and 150 for the end semester examination. The award of the end semester marks for 150 shall be evaluated by both the Internal and External examiners, out of which the project report shall carry a maximum of 50 marks (same mark must be awarded to every student of the project group) while the viva-voce examination shall carry 100 marks (awarded to each student of the project group based on the individual performance in the viva-voce examination).

For Internal Mark:

Work assessed by Guide / Supervisor : 50 % weight

Work assessed by Committee : 50 % weight

(Committee consists of 3 members out of which one member is the Guide / Supervisor)

6. REQUIREMENTS OF EXAMINATIONS AND ATTENDANCE

A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

6.1 A candidate will be permitted to appear for the Examination for any semester, only if

i. he / she secures not less than 75% of attendance in the number of working days during that semester, provided that it shall be open to Chairman of the Academic Council or any authority delegated with such powers (by the governing body) to grant condonation (based on the recommendation of the Head of the Department) to a candidate who has failed to secure 75% of the attendance for valid reasons and has secured not less than 66% of the attendance. Such exemptions can be allowed only TWO times during his/ her entire course of study.

ii. Candidates representing University in State / National / International / Inter University Sports events, Co & Extra - Curricular activities, paper or project presentation with prior permission from the Head of Institution are given exemption upto 10% of the required attendance and such candidates shall be permitted to appear for the current semester examination.

iii. His / her conduct has been certified to be satisfactory by the concerned Head of Department.

iv. **Condonation can be allowed only two times during his / her entire course of study.**

6.2 Candidates who do not complete the semester (as per clause 6.1), will not be permitted to write the end-semester examination and are not permitted to go to next semester. They are required to repeat the incomplete semester in the next academic year.

7. PROCEDURES FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

i. Every teacher is required to maintain a 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the Departments periodically (atleast three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the Departments will put his signature and date after due verification at the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years).

ii **Theory Courses [20 marks]**

(a). Unit Tests [60% weight]

Three tests each carrying fifty (50) marks shall be conducted by the Department / Institution. The total marks obtained in all the tests put together out of 150, shall be reduced to 60 marks and rounded to nearest integer (this implies equal weight to all the three tests). However a retest at the discretion of the Head of the Department may be conducted for the deserving candidates.

(b). Assignment [30% weight]

Three Assignments requiring work of average 5 to 6 hours of study and written work of average 5 to 6 hours, each carried out by a student in a separate assignment folder, duly indexed with headings, date of submission, marks, remarks and signature of faculty with date etc.

(c). Attendance [10% weight]

Attendance (10 Marks)

Percentage of attendance	Marks
75	0
76 - 80	2
81 - 84	4
85 - 89	6
90 - 94	8
95 and above	10

The Internal marks are valid for two more attempts in addition to the current attempt for the candidates admitted from the academic year 2016- 2017 and onwards. If a candidate scores 50% of marks in the internal assessment and 50% of marks in the end semester examination, after three attempts (First attempt + two more attempts), he / she would be declared as a passed candidate in that examinations.

iii. Practical Courses [20 marks]

Every practical exercise / experiment shall be evaluated based on conduct of exercise / experiment and records maintained. There shall be atleast one test. The criteria for arriving the internal assessment marks are :

Experiment / Record / Average Practical classes performance	: 50% weight
Practical Test	: 40% weight
Attendance	: 10% weight

Total 100 marks should be reduced to 20 marks

iv. Theory Courses with Laboratory Component

(a). Unit Tests [60% weight] :

If there is a theory course with Laboratory component, there shall be three tests; the first two tests (each 50 Marks) will be from theory portions and third test (maximum mark 50) will be for labora-

tory component. The total 150 marks should be reduced to 60 marks. However a re-test at the discretion of the Head of the Department may be conducted for the deserving candidates.

(b). Assignment [30% weight] :

Three Assignments requiring work of average 5 to 6 hours of study and written work of average 5 to 6 hours, each carried out by a student in a separate assignment folder, duly indexed with headings, date of submission, marks, remarks and signature of faculty with date etc.

(c). Attendance [10% weight]:

Attendance (10) Marks

Percentage of attendance	Marks
75	0
76 - 80	2
81 - 84	4
85 - 89	6
90 - 94	8
95 and above	10

The Internal marks are valid for two more attempts in addition to the current attempt for the candidates admitted from the academic year 2016 - 2017 and onwards. If a candidate scores 50% of marks in the internal assessment and 50% of marks in the end semester examination, after three attempts (First attempt + two more attempts), he / she would be declared as a passed candidate in that examinations.

v. Project Work

There shall be three assessments during the semester by a review committee. The students shall make presentation on the progress made before the committee. The Head of the Institution shall constitute the review committee for each branch of study. The criteria for arriving the internal assessment marks for the Project Work evaluated for 50 marks are :

Work assessed by the Project Guide : 50% weight

Assessment by a three (3) member internal review committee : 50% weight

Guide will be one of the members of the committee.

The Internal marks are valid for two more attempts in addition to the current attempt for the candidates admitted from the academic year 2016 - 2017 and onwards. If a candidate scores 50% of marks in the internal Assessment and 50% of marks in the end semester examination, after three attempts (First attempt + two more attempts), he / she would be declared as a passed candidate in that examinations.

8. PROCEDURE FOR COMPLETING THE COURSE

i. A candidate who has for some reason discontinued the course can join the course of study of any semester only at the time of its normal commencement in the Institution for regular students upon satisfying all the following conditions
   a) he / she should have completed the course of study of the previous semesters.
   b) he / she should be eligible to register for the examinations and satisfy rule 8 (iii)
   c) he / she should have registered for all the examinations of the previous semesters.

ii. A candidate will be permitted to proceed from one semester to the next higher semester only if he / she has satisfied the regulation for eligibility to appear for the End-Semester examination in the concerned semester, subject to the condition that the candidate should register for all the arrear subjects of lower semesters along with the current (higher) semester subjects.

iii A candidate should have completed the B.E / B.Tech Degree course within a period of **SEVEN** consecutive academic years (14 semesters) from the date of admission to the course, even if the candidate discontinues and rejoins subsequently, to be eligible for the award of the degree. The minimum and maximum period for completion of the U.G. Programmes (B.E. / B.Tech) are given below:

9. REQUIREMENTS FOR APPEARING FOR SEMESTER EXAMINATION

A candidate shall normally be permitted to appear for the semester examination of the current semester if he / she has satisfied the semester completion requirements (Subject to Clause 6.1) and has registered for examination in all courses of that semester. Registration is mandatory for current semester examinations as well as arrears examinations failing which the candidate will not be permitted to move to the higher semester.

10. PASSING MINIMUM AND CLASSIFICATION OF SUCCESSFULL CANDIDATES

i. For each subject the examinations will be conducted for 100 marks. A candidate who secures not less than 50% of marks in the Internal Assessment and 50% of marks in the End Semester examination put together in both theory and Practical courses, including Project work, wherever applicable, shall be declared to have passed the examination in that subject. When the mark se-

Programme	Min. No. of Semesters	Max. No. of Semesters
B.E. / B.Tech. (Full Time)	8	14

cured for 100 is converted to 80, minimum 36 marks must be secured for pass. Any Programme, during any semester, conducts the lab in two parts, say A and B, it is mandatory that the student must appear for both the parts of the lab in the end semester practical examination. The candidate is declared as pass in both the parts A and B lab, only if he / she secures a minimum of 50% put together, and the student must compulsorily appear for both the parts of the lab in the end semester practical examination. If the candidate is absent for any one part of the lab, the candidate is declared as fail in both the parts A and B of the lab [marked as Absent in External Examinations] and he / she should appear in both, part A and B in the subsequent semesters.

ii. A candidate who successfully completes the course requirements and has passed all the prescribed examinations in all the Eight Semesters within a maximum period of Seven years reckoned from the commencement of the first semester to which the candidate was admitted is eligible to get the degree.

iii. A candidate who qualifies for the Degree by passing the examination in all subjects of the entire course in first attempt within a period of four consecutive academic years from the date of admission to the course and secures a CGPA of not less than 8.5 for the entire course shall be declared to have passed the examination for the degree in FIRST CLASS WITH DISTINCTION. For this purpose the withdrawal from examination will not be construed as an appearance. Further, the authorized break of study will not be counted for the purpose of classification.

iv. A candidate transferred from other Institution, who qualifies for the Degree by passing the examination in all subjects of the entire course in first attempt within a period of four consecutive academic years from the date of admission to the course and secures a CGPA of not less than 8.5 for the entire course shall be declared to have passed the examination for the degree in FIRST CLASS WITH DISTINCTION. For this purpose the withdrawal from examination will not be construed as an appearance. Further, the authorized break of study will not be counted for the purpose of classification.

v. A candidate who qualifies for the award of the Degree having passed the examinations in all the subjects of the course in the semesters First to Eight within a maximum period of Ten consecutive semesters after his/her commencement of study in the first semester and secures a CGPA of not less than 6.50 for the entire course shall be declared to have passed the examination for the degree in FIRST CLASS. For this purpose, the authorized break of study will not be counted for the purpose of classification.

vi. All other successful candidates shall be declared to have passed the examination for the Degree in SECOND CLASS.

vii. A candidate who is absent in semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification.

11. ISSUE OF MARK SHEETS

Individual mark sheet for each semester will be issued, containing the following information through the Head of the Department concerned, after the publication of the results.

i) The credits obtained in each course in internal assessment and end semester examination and total credits obtained for each course.
ii) Whether the candidate has passed / failed in the courses concerned.

12. MALPRACTICE

If a student indulges in malpractice in any of the end semester examinations, he / she shall be liable for punitive action as prescribed by the Anna University, Chennai from time to time.

13. REVALUATION

i. Copies of answer script for theory course(s) can be obtained from the Office of the Controller of Examinations on payment of a prescribed fee specified for this purpose through proper application.
ii. A candidate can apply for revaluation of his / her semester examination answer paper in a theory course, within a week from the declaration of results, on payment of a prescribed fee through proper application to the Office of the Controller of Examinations, as per the norms given by the Chairman, Academic Council. Revaluation is not permitted for Practical Courses and for Project work.
iii. Retotalling is permissible for all arrear and current theory subjects.

14. ELIGIBILITY FOR THE AWARD OF DEGREE

A candidate shall be declared to be eligible for the award of the B.E / B.Tech Degree provided the candidate has

i) successfully completed the course requirements and has passed all the prescribed examinations in all the 8 semesters within a maximum period of 7 years from the commencement of first semester to which the candidate was admitted.
ii) the award of degree must have been approved by the Syndicate of the University.

15. CLASS COMMITTEE

15.1 A class committee consists of teachers of the concerned class, student representatives and a chairperson who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include

- Solving problems experienced by students in the class room and in the laboratories.
- Clarifying the regulations of the degree programme and the details of rules therein.
- Informing the student representatives the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the student representatives the details of Regulations regarding weight used for each assessment. In the case of practical courses (laboratory/drawing/ project work/ seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students.
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.

15.2 The class committee for a class under a particular branch is normally constituted by the Head

of the Department. However, if the students of different branches are mixed in each class of the first semester (generally common to all branches), the class committee is to be constituted by the Head of the Institution.

15.3 The class committee shall be constituted on the first working day of any semester or earlier.

15.4 Atleast 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee.

15.5 The chairperson of the class committee may invite the Faculty Adviser(s) and the Head of the Department to the meeting of the class committee.

15.6 The Head of the Institution may participate in any class committee of the institution.

15.7 The chairperson is required to prepare the minutes of every meeting, submit the same to the Head of the Institution within two days of the meeting and arrange to circulate among the concerned students and teachers. If there are some points in the minutes requiring action by the authorities concerned, the same shall be brought to the notice of the authority by the Head of the Institution.

15.8 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weight of assessments within the framework of the Regulations. Two or three subsequent meetings may be held at suitable intervals. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the class students to improve the effectiveness of the teaching-learning process.

16. FACULTY ADVISER

To help the students in planning their courses of study and for general advise on the academic programme, the Head of the Department of the student will attach a certain number of students to a teacher of the Department who shall function as Faculty Adviser for those students throughout their period of study. Such Faculty Adviser shall advise the students and monitor the courses taken by the students, check the attendance and progress of the students attached to him / her and counsel them periodically. If necessary, the faculty adviser may also discuss with or inform the parents about the progress of the students.

17. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or group, shall have a “Course Committee” comprising all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the course Coordinator shall be made by the Head of the Department / Head of the institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The ‘Course committee’ shall meet as often as possible and ensure uniform evaluation of the tests and arrive at a common scheme of evaluation for the tests. where it is feasible, the course committee may also prepare a common question paper for the test(s).

18. PROVISION FOR WITHDRAWAL FROM EXAMINATION

i. A candidate may, for valid reasons, be granted permission to withdraw from appearing for the examination in any course or courses of only one semester examination during the entire duration of the degree programme. **Also only one application for withdrawal is permitted for that semester examination in which withdrawal is sought. Withdrawal from appearing for the examination in any course or courses in the middle of the examination is not permitted.**

ii. **Withdrawal application shall be valid only if the candidate is otherwise eligible to write the examination and if it is made prior to the commencement of the last examination in that semester and duly recommended by the Head of the Department and approved by the Head of the Institution.**

iii. Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction.

iv. Withdrawal is possible only if the candidate satisfies the attendance requirements [as per Clause 6.1]

19. TEMPORARY BREAK OF STUDY FROM A PROGRAMME

i. A candidate is not normally permitted to temporarily break the study. However if a candidate intends to temporarily discontinue the programme in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the programme in a later semester he/ she shall apply to the Head of the Institution in advance, in any case, not later than the last date for registering for the semester examinations of the semester in question, through the Head of the Department stating the reasons thereof.

ii. The candidate permitted to rejoin the programme after the break shall be governed by the rules and regulations in force at the time of rejoining.

iii. The duration specified for passing all the courses for the purpose of classification vide Clause 10 (iii), 10(iv) and 10(v) shall be increased by the period of such break of study permitted.

iv. **The total period for completion of the programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 8(iii) irrespective of the period of break of study in order that he/ she may be eligible for the award of the degree (vide clause 14).**

v. If any student is detained for want of requisite attendance, progress and good conduct, the period spent in that semester shall not be considered as permitted 'Break of Study' and Clause 19(iii) is not applicable for this case.

20. RANK OF A STUDENT

A candidate who qualifies for the Degree by passing the examination in all subjects of the entire course in first attempt within a period of four consecutive academic years from the date of admission to the course can be given his/her position in the class as rank. The Rank is determined from III Semester to VIII Semester end semester examination mark percentage. Students transferred from other institution to GCE,Bargur are not eligible for rank.

21. PROCEDURE FOR USING SCRIBER

If a candidate is physically handicapped (in case of accidents / ill health) at the time of examination, then he / she may be permitted to use a scriber to write the examination. In such case 30 minutes extra time will be permitted. The Scriber shall be a non-engineering student / graduate.

22. INDUSTRIAL VISIT

Every student is required to undergo one Industrial visit, starting from the third semester of the Programme. Every teacher shall take the students atleast for one industrial visit in a semester.

23. PERSONALITY AND CHARACTER DEVELOPMENT

All students shall enroll, on admission, in any one of the personality and character development programmes (the NCC / NSS / NSO / YRC). The training shall include classes on hygiene and health awareness and also training in first-aid.

- **National Cadet Corps (NCC)** will have about 20 parades.
- **National Service Scheme (NSS)** will have social service activities in and around the College / Institution.
- **National Sports Organization (NSO)** will have sports, Games, Drills and Physical exercises.
- **Youth Red Cross (YRC)** will have activities related to social services in and around college/ institution.

While the training activities will normally be during week ends, the camp will normally be during vacation period.

24. DISCIPLINE

Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the College. In the event an act of indiscipline being reported, the Principal shall constitute a disciplinary committee consisting of three Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline. The disciplinary action is subject to review by the University in case the student represents to the University. Any expulsion of the student from the college shall be with prior concurrence from Director of Technical Education / University.

25. CREDIT SYSTEM

The letter grade and the grade point are awarded based on percentage of marks secured by a candidate in individual course as detailed below :

"U" denotes failure in the course.

"I" denotes incomplete as per clause 6.1 and hence prevention from writing End Semester Examination.

"W" denotes withdrawal from the course.

After results are declared, Grade sheets will be issued to each student which will contain the following details :

- The list of subjects enrolled during the semester and the grades scored.
- The Grade Point Average (GPA) for the semester and

- The Cumulative Grade Point Average (CGPA) of all subjects enrolled from first semester onwards.

GPA is the ratio of the sum of the products of the number of credits of courses registered and the points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester.

Range of Total Marks	Letter Grade	Grade Points (GP)
90 to 100	S	10
80 to 89	A	9
70 to 79	B	8
60 to 69	C	7
55 to 59	D	6
50 to 54	E	5
0 to 49	U	0
Incomplete	I	0
Withdrawal	W	0

where

C - credit of a particular course

GP - grade point obtained by the student in the respective course.

CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester. "U", "I" and "W" grades will be excluded for calculating GPA and CGPA.

Each course is normally assigned certain number of credits with 1 credit per lecture period per week, 1 credit per tutorial period per week, 1 credit for 2 periods of laboratory or practical or seminar or project work per week (2 credits for 3 or 4 periods of practical).

However, the performance of a student is evaluated only based on the mark system.

26. REVISION OF REGULATION AND CURRICULUM

The college may from time to time revise, amend or change the regulations, scheme of examinations and syllabus, if found necessary.

$$GPA = \frac{\text{Sum of [C x GP]}}{\text{Sum of C}}$$

Chairman BOS

Note :Both UG and PG detailed syllabus updated in College website

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Institution: GCE, Bargur **Sub-component : 1.1**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr - Jun 16		Jul - Sep 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.	81	17.116	191	249.65	1	12	0	0	273	278.76
	New laboratory for new PG programs	0	0	0	0	0	0	0	0	0	0.00
	New laboratory for existing PG programs	0	0	0	0	0	0	0	0	0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares	0	0	0	0	0	0	0	0	0	0.00
	membership of online journals &	0	0	0	0	0	0	0	0	0	0.00
	Digital/Virtual learning	0	0	0	0	0	0	0	0	0	0.00
	Equipments for Institutional TEQIP unit.	0	0	1	32	0	0	0	0	1	32.00
	Civil Work	0	0	0	0	1	25	0	0	1	25.00
	Others	0	0	0	0	0	0	1	10	1	10.00
	Sub-total	**81**	**17.116**	**192**	**281.65**	**2**	**37**	**1**	**10**	**276**	**345.76257**
Assistantships	Masters students enrolled with TEQIP teaching assistantship	0	0.00	0	0.00	54	3.00	18	1.00	72	4.00
	PhD students enrolled with TEQIP research assistantship	0	0.00	4	1.50	0	0.00	4	1.50	8	3.00
	Others	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Sub-total	**0**	**0**	**4**	**1.5**	**54**	**3**	**22**	**2.5**	**80**	**7**
R&D	Research projects taken by UG /PG students	1	3.00	12	4.80	7	2.00	13	5.70	33	15.50
	Seed grants for research by faculty	0	0.00	3	3.00	3	3.00	0	0.00	6	6.00
	Research publications in engineering in refereed journals	2	0.10	8	1.20	6	0.90	1	0.25	17	2.45
	Organising conferences on R&D topics	0	0.00	0	0.00	0	0.00	1	9.00	1	9.00
	Patenting of technologies	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Others	1	0.40	3	1.20	3	1.20	1	0.40	8	3.20
	Sub-total	**4**	**3.5**	**26**	**10.2**	**19**	**7.1**	**16**	**15.35**	**65**	**36.15**

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr - Jun 16		Jul - Sep 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
FSD	Enrollment of faculty with BTech for MTech degree	0	0.00	7	2.30	7	2.30	0	0.00	14	4.60
	Enrollment of faculty with MTech for PhD degree	0	0.00	9	0.75	8	0.40	4	0.50	21	1.65
	Faculty training in subject domain	2	1.16	8	3.62	6	3.42	0	0.00	16	8.20
	Faculty training in pedagogy	0	0.00	1	0.20	2	0.20	0	0.00	3	0.40
	Organising inhouse training workshops in teaching/research subjects	0	0.00	11	17.45	11	20.90	0	0.00	22	38.35
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc	6	2.00	7	3.66	16	5.54	0	0.00	29	11.20
	Training/Development of technial/support staff	0	0.00	5	6.00	8	7.70	0	0.00	13	13.70
	Others	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Sub-total	8	3.16	48	33.98	58	40.46	4	0.5	118	78.1
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Short term workshops with industry	5	8.80	9	12.60	13	19.90	5	5.20	32	46.50
	Academic networking with industry/research institutions including industry-exposure to teachers and	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Campus placements of graduates (UG & PG)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Students internship at industry	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Joint activities with industry	0	0.00	0	0.00	1	5.00	0	0.00	1	5.00
	Others	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Sub-total	5.00	8.80	9.00	12.60	14.00	24.90	5.00	5.20	33.00	51.50
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development	0	0.00	9	3.50	3	1.50	4	2.00	16	7.00
	Others	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Sub-total	0	0	9	3.5	3	1.5	4	2	16	7
Reforms	Fee for NBA accreditation	0	0.00	1	6.00	0	0.00	0	0	1	6.00
	Activities / Innovations aiming at improvement in quality of education	0	0.00	0	0.00	0	0.00	0	0	0	0.00
	Others	0	0.00	1	3.50	0	0.00	0	0	1	3.50
	Sub-total	0	0	2	9.5	0	0	0	0	2	9.5
Academic support for	Support to academically weak students to enhancement their knowledge and	1	1.50	1	1.50	1	1.50	0	0.00	3	4.50
	Others	1	1.40	28	11.50	14	11.90	16	6.70	59	31.50
	Sub-total	2.00	2.90	29.00	13.00	15.00	13.40	16.00	6.70	62.00	36.00
Incremental operating	IOC	5	1.68	16	6.34	16	6.04	5	2.48	42	16.54
	Sub-total	5	1.68	16	6.34	16	6.04	5	2.48	42	16.54
	Grand total	105.00	37.16	335.00	372.27	181.00	133.40	73.00	44.73	694.00	587.55

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Institution: ECE **Sub-component : 1.1**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr - Jun 16		Jul - Sep 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.			4	62	0	0			4	62.00
	New laboratory for new PG programs			0	0	0	0			0	0.00
	New laboratory for existing PG programs			0	0	0	0			0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares			0	0	0	0			0	0.00
	membership of online journals &			0	0	0	0			0	0.00
	Digital/Virtual learning			0	0	0	0			0	0.00
	Equipments for Institutional TEQIP unit.			0	0	0	0			0	0.00
	Civil Work			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0**	**4**	**62**	**0**	**0**	**0**	**0**	**4**	**62**
Assistantships	Masters students enrolled with TEQIP teaching assistantship			0	0	0	0			0	0.00
	PhD students enrolled with TEQIP research assistantship			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
R&D	Research projects taken by UG /PG students			0	0	0	0	5	5	5	5.00
	Seed grants for research by faculty			0	0	0	0			0	0.00
	Research publications in engineering in refereed journals			4	1	3	0.75	1	0.25	8	2.00
	Organising conferences on R&D topics			0	0	0	0	1	9.00	1	9.00
	Patenting of technologies			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0**	**4**	**1**	**3**	**0.75**	**7**	**14.25**	**14**	**16**

FSD	Enrollment of faculty with BTech for MTech degree			6	0.3	6	0.3			12	0.60
	Enrollment of faculty with MTech for PhD degree			0	0	0	0			0	0.00
	Faculty training in subject domain			0	0	0	0			0	0.00
	Faculty training in pedagogy			0	0	0	0			0	0.00
	Organising inhouse training workshops in teaching/research subjects			2	4	1	2			3	6.00
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc			2	1	2	1			4	2.00
	Training/Development of technial/support staff			1	1.4	1	1.4			2	2.80
	Others			0	0	0	0			0	0.00
	Sub-total	0	0	11	6.7	10	4.7	0	0	21	11.4
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry			0	0	0	0			0	0.00
	Short term workshops with industry	3.00	6.00	3	6	6	11			12	23.00
	Academic networking with industry/research institutions including industry-exposure to teachers and			0	0	0	0			0	0.00
	Campus placements of graduates (UG & PG)			0	0	0	0			0	0.00
	Students internship at industry			0	0	0	0			0	0.00
	Joint activities with industry			0	0	1	5			1	5.00
	Others			0	0	0	0			0	0.00
	Sub-total	3.00	6.00	3.00	6.00	7.00	16.00	0.00	0.00	13.00	28.00
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development			4	1	0	0			4	1.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0	4	1	0	0	0	0	4	1
Reforms	Fee for NBA accreditation			0	0	0	0			0	0.00
	Activities / Innovations aiming at improvement in quality of education			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0	0	0	0	0	0	0	0	0
Academic support for	Support to academically weak students to enhancement their knowledge and	1.00	1.50	1	1.5	1	1.5			3	4.50
	Others			6	0.6	0	0	5.00	0.50	11	1.10
	Sub-total	1.00	1.50	7.00	2.10	1.00	1.50	5.00	0.50	14.00	5.60
Incremental operating	IOC			0	0	0	0			0	0.00
	Sub-total	0	0	0	0	0	0	0	0	0	0
	Grand total	4.00	7.50	33.00	78.80	21.00	22.95	12.00	14.75	70.00	124.00

Department of ECE,

Government College of Engineering, Bargur 635104.

Submitted to the Principal

Tentative action plan for the additional fund to be received under TEQIP-II in the department of ECE is listed below:

TEQIP II Action Plan for the period from February 2016 to October 2016

1. **Procurement** :

Sl.No	Items proposed	Month by which Procurement Process will be completed	Amount in Rs. Lakhs
1	**Vector Network Analyser**	Apr 2016	20
2	**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 etc. Useful for Calibration of all in house equipment and calibrating Industry equipment for generating revenue (IRG) with **Software - Manage, Automate and Optimise the Calibration Process (Similar to** MET/CAL Plus Version 7).	May 2016	30
3	**Embedded Networking and Robotics Lab** consisting of embedded networking trainers, micro robots, IoT trainers etc.	May 2016	12
4	**Multipurpose Lab Station** consisting of 100MHz Mixed Signal Oscilloscope, 20MHz Programmable Arbitrary Function Generator, 6 ½ Digit High Precision Digital Multimeter, Programmable Triple Output DC Power Supply, GPIB to USB converter to connect all the above instruments to a single PC's USB Port, Automation Software, Digital Demodulation Software etc.	June 2016	10
Total	**04**		**62**

2. Research projects taken by UG students

Sl.No	Projects	Month of Expenditure	Amount in Lakhs
1	**Seed Money to Final Year Projects (5 batches)**	Oct 2016	5

3. Organizing in house training workshops in teaching/research subjects(FDP)

S.No	FDP	Coordinators	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
1	Embedded System Design	Dr.M.Chandrasekaran	Apr 16	Faculty	2.0
2.	Robotics Design and assembling	Mr.K.Manogaran	May 16	Faculty	2.0
3	Designing Micro robots	Dr.V.Thirunavukkarasu	Sep 2016	Faculty	2.0
Total	03				6.0

4. Training/Development of technical/support staff(SDP)

S.No.	SDP	Coordinators	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
1	Cell phone Servicing	Dr.V.Thirunavukkarasu	Apr 2016	Non teaching	1.4
2.	Using Test and Measuring Equipment	Mrs.Kavitha	Sep 2016	Non teaching	1.4
Total					2.8

5. Short term workshops with industry (STP)

S.No	Student Training Programme	Coordinators	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
1.	PCB Design Soldering Practice	Mrs.Kavitha	Mar 16	II yr	1.5
2	Robotics	Mr.K.Manogaran		III yr	3.0
3.	Computer Network Simulation	Mr.K.Manogaran			1.5
4	PSpice Simulation	Dr.G.Suchitra	Apr 16	II yr	1.5
5	Embedded System Design	Dr.V.Thirunavukkarasu		III yr	3.0

S.No	Student Training Programme	Coordinators	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
6	VLSI Design	Mr.M.Arul Kumar		IV	1.5
7	Innovative Project Design	Mr.K.Manogaran	Aug 16	II	2.0
8	Computer Network Simulation	Mr.K.Manogaran		III Yr	1.5
9	MATLAB and Xilinx programming	Mrs.P.E.Irin Dorathy		III	1.5
10	Soldering Practice	Dr.G.Suchitra	Sept 16	II yr	1.5
11	Electronic Circuit Design using OrCAD / OsCAD	Mr.M.Arul Kumar		III Yr	1.5
12	Micro Robots	Mr.K.Manogaran		IV Yr	3.0
Total	12				23.0

6. Support to academically weak students to enhancement their knowledge and skills (STP)

S.No.	Student Training Programme	Coordinators	Tentative Date/ Month	Target Audience	Expected Budget Expenditure in Lakhs
1	Soft Skill Development	Dr.V.Thirunavukkarasu	Mar 16	III yr	1.5
2	Training for Aptitude and Skills Test	Mr.M.Elangovan	Apr 16	IV	1.5
4	Communication Skills	Dr.M.Chandrasekaran	Aug 16	II Yr	1.5
Total	03				4.5

Jan 2016 to May 2016

Academic Support:

Sl No	Subject Name	Year/Sem	Budget
1	**Communication Theory**	**II/4**	**RS:10,000/-**
2	**Electromagnetic fields**	**II/4**	**RS:10,000/-**
3	**Linear Integrated Circuits**	**II/4**	**RS:10,000/-**
4	**Control Systems**	**II/4**	**RS:10,000/-**

Sl No	Subject Name	Year/Sem	Budget
5	VLSI Design	III/6	RS:10,000/-
6	Antenna and Wave Propagation	III/6	RS:10,000/-
Total			Rs. 60,000/-

July 2016 to December 2016

Sl No	Subject Name	Year/Sem	Budget
1	Electronic Circuits-I	II/3	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/-
Total			Rs. 50,000/-

7. **Enrollment of faculty with MTech for PhD degree**
   No. of faculty enrolled for Ph.D. : 6
   Assistantship required @ Rs.5000/- per sem : **Rs. 30,000/-** in May 2016
   Rs. 30,000/- in Sep 2016
8. **Organising conferences on R&D topics during Oct 2016: Rs. 9 Lakhs**
9. **Participation of faculty in outstation seminar / conferences / workshops etc : Rs. 2 Lakhs.**
10. **Research publications in engineering in refereed journals : Rs. 2 Lakhs**
11. **Joint activity with Industry:**
    Robotics workshop, design competition and in-house exhibition : Rs. 5 Lakhs
12. **Exposure/Training of senior teaching/non-teaching members in management capacity development : Rs. 2 lakhs**

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Department : CSE **Sub-component : 1.1**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr-Jun 16		Jul - Oct 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.			76	50.00	0	0.00			76	50.00
	New laboratory for new PG programs			0	0.00	0	0.00			0	0.00
	New laboratory for existing PG programs			0	0.00	0	0.00			0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares			0	0.00	0	0.00			0	0.00
	membership of online journals &			0	0.00	0	0.00			0	0.00
	Digital/Virtual learning			0	0.00	0	0.00			0	0.00
	Equipments for Institutional TEQIP unit.			0	0.00	0	0.00			0	0.00
	Civil Work			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**0**	**0**	**76**	**50**	**0**	**0**	**0**	**0**	**76**	**50**
Assistantships	Masters students enrolled with TEQIP teaching assistantship			0	0.00	54	3.00	18	1	72	4.00
	PhD students enrolled with TEQIP research assistantship			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**0**	**0.00**	**0**	**0.00**	**54**	**3.00**	**18**	**1.00**	**72**	**4.00**
R&D	Research projects taken by UG /PG students	1	3.00	4	4.00	7	2.00			12	9.00
	Seed grants for research by faculty			0	0.00	0	0.00			0	0.00
	Research publications in engineering in refereed journals			0	0.00	0	0.00			0	0.00
	Organising conferences on R&D topics			0	0.00	0	0.00			0	0.00
	Patenting of technologies			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**1**	**3.00**	**4**	**4.00**	**7**	**2.00**	**0**	**0.00**	**12**	**9.00**

FSD	Enrollment of faculty with BTech for MTech degree			0	0.00	0	0.00			0	0.00
	Enrollment of faculty with MTech for PhD degree			0	0.00	8	0.40			8	0.40
	Faculty training in subject domain			0	0.00	0	0.00			0	0.00
	Faculty training in pedagogy			0	0.00	0	0.00			0	0.00
	Organising inhouse training workshops in teaching/research subjects			0	0.00	0	0.00			0	0.00
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc	6	2	1	1.50	11	3.70			18	7.20
	Training/Development of technial/support staff			1	1.50	3	1.90			4	3.40
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	6	2.00	2	3.00	22	6.00	0	0.00	30	11.00
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry			0	0.00	0	0.00			0	0.00
	Short term workshops with industry	2.00	2.80	4	5.60	6	8.40	3.00	4.20	15	21.00
	Academic networking with industry/research institutions including industry-exposure to teachers and			0	0.00	0	0.00			0	0.00
	Campus placements of graduates (UG & PG)			0	0.00	0	0.00			0	0.00
	Students internship at industry			0	0.00	0	0.00			0	0.00
	Joint activities with industry			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	2	2.80	4	5.60	6	8.40	3	4.20	15	21.00
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development			1	0.50	1	0.50			2	1.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	1	0.50	1	0.50	0	0.00	2	1.00
Reforms	Fee for NBA accreditation			0	0.00	0	0.00			0	0.00
	Activities / Innovations aiming at improvement in quality of education			0	0.00	0	0.00			0	0.00
	Others			1	3.50	0	0.00			1	3.50
	Sub-total	0	0.00	1	3.50	0	0.00	0	0.00	1	3.50
Academic support for weak students	Support to academically weak students to enhancement their knowledge and			0	0.00	0	0.00			0	0.00
	Others	1	1.40	11	8.20	3	4.20	3.00	4.20	18	18.00
	Sub-total	1	1.40	11	8.20	3	4.20	3	4.20	18	18.00
Incremental operating cost	IOC	1	0.20	2	0.40	3	0.60	0	0.00	6	1.20
	Sub-total	1	0.2	2	0.4	3	0.6	0	0	6	1.2
	Grand total	11	9.40	101	75.20	96	24.70	24	9.40	232	118.70

Government College of Engineering, Bargur 635104.

Month wise & Component wise Action Plan for the period From March 2016 to Oct 2016

1. Procurement Plan

Department	Apr-16		May-16		June-16		July-16		Aug-16		Sep-16		TOTAL	
	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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	76	50 lakhs	0	0	0	0	0	0	0	0	0	0	76	50 lakhs

2. Detailed List of Procurement

Month/Year	Sl. No	Equipment/Software	Budget(Lakhs)
Feb-16		Nil	0
March -16		Nil	0
Apr-16	1	I5,I3 AND I7 COMPUTERS FOR PROJECT LAB - 75 NUMBERS	30 Lakhs
	2	Blade Server and Networking components - 1 number	20 lakhs
May -2016 to October -16		Nil	0
		Total	**50 lakhs**

3. Justification for the procurement

1. **Computers in Project Lab obsolete and should be replaced.**
2. **Establishing a Data Center**

Government College of Engineering, Bargur 635104.

Month wise & Component wise Action Plan for the period From March 2016 to Oct 2016

1. Action Plan for Assistantships (M.E.) :

Department	Jul -16		Aug -16		Sep-16		Oct-16		TOTAL	
	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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	18	1	18	1	18	1	18	1	72	4 lakhs

2.Detailed List of M.E/ Ph.D Assistantships

Month/Year	Sl. No	Equipment/Software	Budget(Lakhs)
Jul -16		18 Full Time M.E Students @ approximately Rs. 6000	1
Aug -16		18 Full Time M.E Students @ approximately Rs. 6000	1
Sep -16		18 Full Time M.E Students @ approximately Rs. 6000	1
Oct -16		18 Full Time M.E Students @ approximately Rs. 6000	1
		Total	**4 lakhs**

3. Justification for the Assistantships (M.E. & Ph.D.) : Nil

18 candidates assuming M.E CSE @ Rs.6000 from September 2016

No Full Time Ph.D assistantships

Government College of Engineering, Bargur 635104.

Month wise & Component wise Action Plan for the period From March 2016 to Oct 2016

1. Action Plan R&D

Department	March-16		Apr-16		May-16		June-16		July-16		Aug-16		Total	
	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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	1	3	0	0	2	2	2	2	6	1	1	1	12	9

2. Detailed List of R & D

Month/Year	Sl No	Activity	Budget(Lakhs)
March -2016	1	Organizing conferences on R&D topics -1	3
April-2016	1	Nil	0
May 2016	1	Seed grants for research by faculty- 2	2
June 2016	1	Research projects taken by UG /PG students -2	2
July2016	1	Research publications in engineering in refereed journals -6	1
August 2016	1	Patent of a product /Technology - 1	1
September 2016	1	Nil	0
October 2016	1	Nil	0
November 2016	1	Nil	0
December 2016	1	Nil	0
		TOTAL	9

3. Justification

1. March 2016 – Third National one conference

Students projects 2 for SEED Grant

Patents : 1

Seed grants for research by faculty- 2

Research publications in engineering in refereed journals -6 each semester for each faculty one publications

Government College of Engineering, Bargur 635104.

Month wise & Component wise Action Plan for the period From April 2016 to Oct 2016

1. Action Plan for Faculty & Staff Development

Department	march16		may-16		Jul-16		Aug-16		Sep-16		TOTAL	
	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	6	2	2	3	11	1.5	2	3	11	1.5	30	11

2. Detailed List of FSD

Month/Year	Sl No	Activity	Budget(Lakhs)
March -2016	1	Participation of Faculty in One FDP- 6 nos	2
April-2016		Nil	0
May 2016	1	Organizing 1 FDP and 1 SDP	3
June 2016	-	Nil	0
July2016	1	4 faculty each 5000 Rs. Ph.D Fees / non teaching staff for training / Participation of Faculty in Conference – 6 nos	1.5
August 2016	1	Organizing 1 FDP and 1 SDP	3
September 2016	1	4 faculty each 5000 Rs. Ph.D Fees / non teaching staff for training / Participation of Faculty in Conference – 6 nos	1.5
		TOTAL	11

1. Justification

- Enrollment of faculty with MTech for PhD degree : 4 faculty each 5000 Rs. Fees during, July 16, December 16
- Faculty training in subject domain /Faculty training in pedagogy/ in outstation seminar/ conferences/ workshops etc : 6 faculty each 20,000 per semester
- Participation of Non teaching staff in outstation workshops etc : 1 faculty
- Organising inhouse training workshops in teaching/research subjects (FDP)

S.No.	FDP	Coordinators	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Faculty Development program on Big Data Analytics	S.Selvi	May 2016	1.5
2	One week Faculty Development program on Eclipse	C.M.T.Karthikeyan	Sep 2016	1.5

Training/Development of technical/support staff (SDP)

S.No.	SDP	Coordinators	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Stress Management	N.Jagadeeswari	May 2016	1.5
2	Communication Skills	N.Sivaranjani	Sep 2016	1.5

Government College of Engineering, Bargur 635104.

Month wise & Component wise Action Plan for the period From April 2016 to Oct 2016

1.Action Plan for Industry Institute Interaction

Department	Feb 16		march16		April-16		May-16		June-16		July-16		Aug-16	
	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	2	2.8	1	1.4	1	1.4	1	1.4	1	1.4	2	2.8	2	2.8

Department	Sep-16		Oct 16		TOTAL	
	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	2	2.8	3	4.20	15	21

2.Detailed List of III Activities

Month/ Year	Sl No	Activity	Budget(Lakhs)
Feb 2016	1	Spoken Communication	1,40,000
	2	Mobile App Development	1,40,000
March 2016	1	Written communication	1,40,000
April 2016	1	Presentation Skills	1,40,000
May 2016	1	Mat Lab Tools	1,40,000
Jun-16	1	OOPS Concepts in Industries for software development	1,40,000
Jul-16	1	Applications of Computer in Bio Tech Industry	1,40,000
	2	Automation through Robotics	1,40,000
Aug-16	1	PHP Programming	1,40,000
	2	Guidance on developing business and industry connections and partnerships	1,40,000
Sep -16	1	Entrepreneurship Development Workshop	1,40,000
	2	Preparation for Industrial Careers	1,40,000
Oct -16	1	Team Building	1,40,000
	2	Ethical Hacking	1,40,000
	3	Exposure to mathematical and statistical problems that arise in industry	1,40,000
		15 Targets	**21**

Justification: Conducting Short term workshops with industry will enable Academic networking with industry/exposure to teachers and students ,Campus placements of graduates (UG & PG)

Government College of Engineering, Bargur 635104.Month wise & Component wise Action Plan for the period From April 2016 to Oct 2016.

Management Capacity Enhancement

Department	May-16		Sep-16		TOTAL	
	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	1	.50	1	.50	2	1

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

To be attended by HOD/CSE

Government College of Engineering, Bargur 635104.Month wise & Component wise Action Plan for the period From April 2016 to Oct 2016.

Institutional Reforms:

1. ICT Academic membership for Next Five Years : Rs.3.5 lakhs

Government College of Engineering, Bargur 635104.Month wise & Component wise Action Plan for the period From April 2016 to Oct 2016.

7. Academic Weak Support

Action Plan for Academic Weak Support

Department	Feb 16		march16		April-16		May-16		June-16		July-16		Aug-16	
	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	1	1.4	1	1.4	1	1.4	7	2	2	2.8	1	1.4	1	1.4

Department	Sep-16		Oct 16		TOTAL	
	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
CSE	1	1.4	3	4.20	24	18

List of Proposed Skill Development Activities:

Sl No	Student Training Programme	Coordinators	Tentative Month/Year	Target Audience	Budget(Lakhs)
1	Grammar Confidence	J.Nafeesa begum	Feb-16	2012-16 Batch	1,40,000
2	Problem Solving Skills	C.SatheeshPandian	March-16	2012-16 Batch	1,40,000
3	Fast Mathematics	B.Sivaranjani	April-16	20 12-16 Batch	1,40,000
4	Critical Thinking	C.M.T.Karthikeyan	May-16	2013-17 batch	1,40,000
5	Web Development	S.Selvi	June 16	2014-18 Batch	1,40,000
6	Communication and Personality Development	N.Jagadeeshwari	July -16	2015-19 Batch	1,40,000
7	Communication and Personality Development	J.Nafeesa begum		2016-20 Batch	1,40,000
8	Advanced Java	C.SatheeshPandian	Aug -16	2013-17 batch	1,40,000
9	Networking Skills	B.Sivaranjani	Sep-16	2014-18 Batch	1,40,000
10	C Skill Set	C.M.T.Karthikeyan	Oct-16	2013-17 batch	1,40,000
11	Android Application Development	S.Selvi	Oct-16	2014-18 Batch	1,40,000
12	Developing DataStructures	N.Jagadeeshwari	Oct-16	2015-19 Batch	1,40,000
	Total : 12				16.8

Even semester ending May 2016 :

Academic Weak Classes☹ To be Claimed in May 2016)

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	Computer Programming	I/1	RS:10,000/-
4	Computer Graphics	III/5	RS:10,000/-
5	Theory of Computation	III/5	RS:10,000/-
6	Cryptography & Network Security	IV/7	RS:10,000/-

FOR Academic Weak Classes☹ To be Claimed in Dec 2016)

Sl 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/-
	Total		60000

Government College of Engineering, Bargur 635104.

CSE- SUMMARY OF ACTION PLAN

S.No	Details	Amount in lakhs
1	Improvement in teaching, training and learning facilities **Procurement**	50
2	Providing Assistantships for increased enrolment in existing and new PG Programmes in Engineering disciplines	4
3	Enhancement of Research and Development and Institutional Consultancy activities	9
4	Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)	11
5	Enhanced Interaction with Industry	21
6	Institutional Management Capacity Enhancement	1
7	Implementation of Institutional reforms-	3.5
8	Academic support for weak students	18
9	IOC	1.20
	TOTAL	118.70 Lakhs

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Institution: EEE **Sub-component :**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr-Jun 16		Jul - Aug 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.	81	17.12	106	22.00	0	0.00			187	39.11
	New laboratory for new PG programs			0	0.00	0	0.00			0	0.00
	New laboratory for existing PG programs			0	0.00	0	0.00			0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares			0	0.00	0	0.00			0	0.00
	membership of online journals &			0	0.00	0	0.00			0	0.00
	Digital/Virtual learning			0	0.00	0	0.00			0	0.00
	Equipments for Institutional TEQIP unit.			0	0.00	0	0.00			0	0.00
	Civil Work			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**81**	**17.116**	**106**	**21.9969**	**0**	**0**	**0**	**0**	**187**	**39.11257**
Assistantships	Masters students enrolled with TEQIP teaching assistantship			0	0.00	0	0.00			0	0.00
	PhD students enrolled with TEQIP research assistantship			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
R&D	Research projects taken by UG /PG students			0	0.00	0	0.00			0	0.00
	Seed grants for research by faculty			0	0.00	0	0.00			0	0.00
	Research publications in engineering in refereed journals			0	0.00	0	0.00			0	0.00
	Organising conferences on R&D topics			0	0.00	0	0.00			0	0.00
	Patenting of technologies			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr-Jun 16		Jul - Aug 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
FSD	Enrollment of faculty with BTech for MTech degree			0	0.00	0	0.00			0	0.00
	Enrollment of faculty with MTech for PhD degree			5	0.25	0	0.00			5	0.25
	Faculty training in subject domain	2.00	1.16	6	3.42	6	3.42			14	8.00
	Faculty training in pedagogy			0	0.00	0	0.00			0	0.00
	Organising inhouse training workshops in teaching/research subjects			1	3.00	2	6.00			3	9.00
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc			4	1.16	3	0.84			7	2.00
	Training/Development of technial/support staff			1	1.00	3	3.00			4	4.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	2	1.16	17	8.83	14	13.26	0	0	33	23.25
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry			0	0.00	0	0.00			0	0.00
	Short term workshops with industry			0	0.00	0	0.00			0	0.00
	Academic networking with industry/research institutions including industry-exposure to teachers and			0	0.00	0	0.00			0	0.00
	Campus placements of graduates (UG & PG)			0	0.00	0	0.00			0	0.00
	Students internship at industry			0	0.00	0	0.00			0	0.00
	Joint activities with industry			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Reforms	Fee for NBA accreditation			0	0.00	0	0.00			0	0.00
	Activities / Innovations aiming at improvement in quality of education			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Academic support for weak students	Support to academically weak students to enhancement their knowledge and			0	0.00	0	0.00			0	0.00
	Others			5	0.50	6	6.00	5.00	0.50	16	7.00
	Sub-total	0	0.00	5	0.50	6	6.00	5	0.50	16	7.00
Incremental operating cost	IOC			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Grand total	83	18.28	128	31.33	20	19.26	5	0.50	236	69.36

Department of Electrical and Electronics Engineering,
Government College of Engineering,
Bargur-635104

Submitted to the Principal

Tentative List of activities to be carried out under TEQIP-II in the department of EEE is Listed below:

TEQIP-II Action plan for the period from January 2016 to October 2016

Procurement

S.No		Description	Month	Qty/No. of users	Amount(Rs)
1.		Modular Solar Array Simulator Mainframe,1200W, GPIB, LAN, USB, LXI with **E4362A** Solar Array Simulator DC Module,0-130V,5A, 600W	Mar 16	01	9,27,150
2.	1.	Matlab 2015a	Mar 16	40	5,13,911
	2.	Simulink	Mar 16	30	1,92717
	3.	Control System Toolbox	Mar 16	10	77,785
	4.	SimPower Systems	Apr 16	10	1,94,447
	5.	Simscape	Apr 16	10	77,785
	6.	Simlink Control Design	Apr 16	10	77,785
	7.	DSP System Toolbox	Apr 16	5	53,473
	8.	Embedded Coder	May 16	5	1,33,684
	9.	Global Optimization Toolbox	May 16	5	53,473
	10.	Fuzzy Logic Toolbox	May 16	5	53,473
	11.	HDL Coder	May 16	5	1,33,684
	12.	MATLAB® Coder	June 16	5	1,33,684
	13.	Neural Network Toolbox	June 16	5	53,473
	14.	Optimization Toolbox	June 16	5	53,473
	15.	SimElectronics	June 16	5	53,473
	16.	Simulink® Coder	June 16	5	1,33,684
	17.	Signal Processing Toolbox	June 16	5	53,473
	18.	Image Processing Toolbox	June 16	5	53,473
	19.	Communications System Toolbox	June 16	5	53,473
	20.	June 16	Aug 16	5	1,33,684
3.		Xerox Machine	June 16	1	2,00,000
4.		4x8 IR Technology based Smart Class Board with suitable software	June 16	5	5,00,000
		Total			**39,11,257**

Faculty /Staff/ Student Training

1. Faculty Training in subject domain

Sl.No.	Details	Month	No of Progarm me	Amount in Lakhs.
1.	Faculty training in subject domain (outstation)	Mar	2	1.16
2.	Faculty training in subject domain (outstation)	Apr – Jun16	6	3.42
3.	Faculty training in subject domain (outstation)	Jul- Sep 16	6	3.42
	Total			**8**

2. Participation of Faculty in outstation Seminar/Conferences/ Workshops

Sl.No.	Details	Month	No of Progarm me	Amount in Lakhs.
1.	Participation of Faculty in outstation Seminar/Conferences/ Workshops	Apr – Jun16	4	1.16
2.	Participation of Faculty in outstation Seminar/Conferences/ Workshops	Jul- Sep 16	3	0.84
	Total			2

3. Training / Development of Technical/ Support staff (Staff Development Programme)

Sl.No.	Staff Development Programme	Coordinators	Month	Amount in Lakhs.
1.	Repairing of Electrical Appliances	Mr.A.Thangaraj Mrs.M.Bhavani	May 16	1.00
2.	PCB fabrication	Mr.V.Arivumani	Jul 16	1.00
3.	DG Set Maintenance and Diagnostics	Dr.I.Thangaraju Mrs.R.Sudha	Aug 16	1.00
4.	Design and Maintenance of Solar Power plant	Mr.K.Mohan Mr.V.Arivumani	Sep 16	1.00
	Total			**4.00**

4. Short term workshop with industry (Student Training Programme)

Sl.No.	Student Training Programme	Coordinators		Target Audience	Amount in Lakhs.
1.	Design and Fabrication of Electronic Circuits	Mr.A.Thangaraj Mrs.M.Bhavani	July 2016	II yr	1.00
2.	PCB fabrication	Mr.K.Mohan Mr.V.Arivumani	July 2016	II Yr	1.00
3.	Soft computing Techniques in Engineering Applications	Mrs.R.Sudha Mr.A.Thangaraj	Aug 2016	IV yr	1.00

Sl.No.	Student Training Programme	Coordinators		Target Audience	Amount in Lakhs.
4.	Communication Skills and Personality Development	Mrs.M.Bhavani Mr.A.Thangaraj	Aug 2016	IVYr	1.00
5.	Recent trends in power electronics converters	Mr.A.Thangaraj Mrs.M.Bhavani	Sep 2016	III Yr	1.00
6.	Design and Fabrication of Power Electronic Circuits	Dr.I.Thangaraju Mrs.R.Sudha	Sep 2016	III Yr	1.00
	Total				**6.00**

5. Support to academically weak students to enhance their knowledge and skills (Academic Support Class)

Sl.No.	Academic Support Class	Amount in Lakhs.
1.	Discrete Time Systems and Signal Processing	0.10
2.	Design of Electrical Machines	0.10
3.	Advanced Control Systems	0.10
4.	Circuit Theory	0.10
5.	Electromagnetic Theory	0.10
6.	Digital Logic Circuits	0.10
7.	Control Systems	0.10
8.	Transmission and Distribution	0.10
9.	Power System Analysis	0.10
10.	Object Oriented Programming	0.10
Total		**1.00**

6.Enrollment of Faculty with M.E/M.Tech for Ph.D degree (June 2016)

Sl.No.	Faculty	Amount in Lakhs.
1.	Mr.A.Thangaraj	0.05
2.	Mr.K.Mohan	0.05
3.	Mr.V.Arivumani	0.05
4.	Mrs.M.Bhavani	0.05
5.	Mrs.R.Sudha	0.05
Total		**0.25**

7.Organizing inhouse training workshops in teaching/ research subjects (FDP)

Sl.No.	FDP	Coordinators	Month	Amount in Lakhs.
1.	Realization of Control System Concepts Using MATLAB	Mr.A.Thangaraj Mrs.M.Bhavani	May 2016	3.00
2.	Smart grid-Technology and Applications	Mr.K.Mohan Mr.V.Arivumani	July 2016	3.00
3.	Soft computing Techniques in Engineering Applications	Mrs.R.Sudha Dr.I.Thangaraju	Sep 2016	3.00
Total				**9.00**

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Department : Mechanical **Sub-component : 1.1**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr-Jun 16		Jul-Sep 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.			3	60.00	0	0.00			3	60.00
	New laboratory for new PG programs			0	0.00	0	0.00			0	0.00
	New laboratory for existing PG programs			0	0.00	0	0.00			0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares			0	0.00	0	0.00			0	0.00
	membership of online journals &			0	0.00	0	0.00			0	0.00
	Digital/Virtual learning			0	0.00	0	0.00			0	0.00
	Equipments for Institutional TEQIP unit.			0	0.00	0	0.00			0	0.00
	Civil Work			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**0**	**0.00**	**3**	**60.00**	**0**	**0.00**	**0**	**0.00**	**3**	**60.00**
Assistantships	Masters students enrolled with TEQIP teaching assistantship			0	0.00	0	0.00			0	0.00
	PhD students enrolled with TEQIP research assistantship			4	1.50	0	0.00	4	1.50	8	3.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**0**	**0.00**	**4**	**1.50**	**0**	**0.00**	**4**	**1.50**	**8**	**3.00**
R&D	Research projects taken by UG /PG students			8	0.80	0	0.00	8	0.7	16	1.50
	Seed grants for research by faculty			3	3.00	3	3.00			6	6.00
	Research publications in engineering in refereed journals	2	0.10	4	0.20	3	0.15			9	0.45
	Organising conferences on R&D topics			0	0.00	0	0.00			0	0.00
	Patenting of technologies			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	**2**	**0.1**	**15**	**4**	**6**	**3.15**	**8**	**0.7**	**31**	**7.95**

FSD	Enrollment of faculty with BTech for MTech degree			0	0.00	0	0.00			0	0.00
	Enrollment of faculty with MTech for PhD degree			2	0.40	0	0.00	2	0.4	4	0.80
	Faculty training in subject domain			0	0.00	0	0.00			0	0.00
	Faculty training in pedagogy			0	0.00	0	0.00			0	0.00
	Organising inhouse training workshops in teaching/research subjects			8	10.45	8	12.90			16	23.35
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc			0	0.00	0	0.00			0	0.00
	Training/Development of technial/support staff			2	2.10	1	1.40			3	3.50
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0	12	12.95	9	14.3	2	0.4	23	27.65
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry			0	0.00	0	0.00			0	0.00
	Short term workshops with industry			2	1.00	1	0.50	2.00	1.00	5	2.50
	Academic networking with industry/research institutions including industry-exposure to teachers and			0	0.00	0	0.00			0	0.00
	Campus placements of graduates (UG & PG)			0	0.00	0	0.00			0	0.00
	Students internship at industry			0	0.00	0	0.00			0	0.00
	Joint activities with industry			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	2	1.00	1	0.50	2	1.00	5	2.50
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development			4	2.00	2	1.00	4	2	10	5.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0.00	4	2.00	2	1.00	4	2.00	10	5.00
Reforms	Fee for NBA accreditation			1	6.00	0	0.00			1	6.00
	Activities / Innovations aiming at improvement in quality of education			0	0.00	0	0.00			0	0.00
	Others			0	0.00	0	0.00			0	0.00
	Sub-total	0	0	1	6.00	0	0.00	0	0.00	1	6.00
Academic support for weak students	Support to academically weak students to enhancement their knowledge and			0	0.00	0	0.00			0	0.00
	Others			4	2.00	3	1.50	3.00	1.50	10	5.00
	Sub-total	0	0.00	4	2.00	3	1.50	3	1.50	10	5.00
Incremental operating cost	IOC			1	0.50	0	0.00			1	0.50
	Sub-total	0	0.00	1	0.50	0	0.00	0	0.00	1	0.50
	Grand total	2	0.10	46	89.95	21	20.45	23	7.10	92	117.60

TEQIP-II (SUB COMPONENT 1.1)

Dept. of Mechanical Engineering, GCE, Bargur – 635104

Action plan Jan 2016 to Oct 2016

Activities	Sub-Activities	Month	Total		Justification	List in detail (If any)
			Physical Target (Nos.)	Financial Estimate (Rs. Lakh)		
Procurement	New laboratory for new PG programs	Apr – Jun 2016	1	20	To upgrade Thermal, Manufacturing labs on par with IITs, NITs. To improve consultancy and R&D	1. Tribology Lab – 1 Qty – 20 Lakhs
		July – Aug 2016	2	40		2. Gas Injection Timing kit with analyzer – 1 Qty – 20 Lakhs
						3. Dynamometers for CNC lathe, Milling Machine – 20 Lakhs
	Sub-total		3	60		
Assistantships	Masters students enrolled with TEQIP teaching assistantship PhD students enrolled with TEQIP research assistantship	Apr 2016	4	1.50	Already 3 members are provided with research assistantship. Expecting remaining 1 faculty member's registration this expenditure is proposed.	(4 members x Rs.9000x 4 semester)
		Sep 2016	4	1.5		
	Sub-total		4	3.00		
R&D	Research projects taken by UG /PG students	May 2016	8	0.80	To promote research and innovation culture among the students.	Innovative projects will be identified and supported with TEQIP funds.
		Oct 2016	8	0.70		
	Seed grants for research by faculty	Jan- Mar 2016	2	2	Already formulated guidelines available	Faculty members will be provided with one lakh for the selected research projects which leads to patent or publication.
		Apr –Jun 2016	2	2		
		Jul – Sep 2016	2	2		
	Research publications in engineering in refereed journals	Jan- Mar 2016	3	0.15	Already formulated guidelines available	Publication in peer reviewed reputed international journals will be provided with assistance.
		Apr –Jun 2016	3	0.15		
		Jul – Sep 2016	3	0.15		
	Sub-total		30	7.95		
FSD	Enrollment of faculty with MTech for PhD degree	Apr –Jun 2016	2	0.40		Tuition fees of the faculty members will be refunded.
		Jul – Sep 2016	2	0.40		
	Faculty training in subject domain		18	26.85		List enclosed.
	Faculty training in pedagogy					As above

TEQIP-II (SUB COMPONENT 1.1)

Dept. of Mechanical Engineering, GCE, Bargur – 635104

Action plan Jan 2016 to Oct 2016

Activities	Sub-Activities	Month	Total		Justification	List in detail (If any)
			Physical Target (Nos.)	Financial Estimate (Rs. Lakh)		
	Organizingin-house training workshops in teaching/research subjects					As above
	Participation of faculty in outstation seminar/ conferences/ workshops etc					On the request from the faculty members and need based training
	Training/Development of technical/support staff					On the request from the staff members and need based training
	Sub-total		20	27.65		
	Short term workshops with industry	Apr –Jun 2016	2	1	To depute the faculty members for internship and short term training programmes in the industry	
		Jul – Sep 2016	1	0.5		
		Oct 2016	2	1		
	Sub-total		5	2.5		
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development	Apr –Jun 2016	4	2	To depute the faculty members, non-teaching members for capacity development training programmes offered by various higher technical agencies.	Leadership training Innovation and IPR Accreditation and autonomy Curriculum development Industry institute interaction Need based training.
		Jul – Sep 2016	2	1		
		Oct 2016	4	2		
	Sub-total		10	5.00		
Reforms	Fee for NBA accreditation	Apr-Jun 2016	1	6.00	To get NBA accreditation	
	Sub-total		1	6.00		
Academic support for weak students	Support to academically weak students to enhancement their knowledge and skills	Apr –Jun 2016	4	2	To identify and train the students in the tough subjects. To increase the transition rate.	
		Jul – Sep 2016	3	1.50		
		Oct 2016	3	1.50		
	Sub-total		10	5.00		
Incremental operating cost	IOC	Jul-2016	1	0.50	For AMC, tools and calibration of the equipment purchased	
	GRAND TOTAL		92	**117.1**		

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Department : Science & Humanity **Sub-component :**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr-Jun 16		Jul-Sep 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.			2	55.65	1	12			3	67.65
	New laboratory for new PG programs			0	0	0	0			0	0.00
	New laboratory for existing PG programs			0	0	0	0			0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares			0	0	0	0			0	0.00
	membership of online journals &			0	0	0	0			0	0.00
	Digital/Virtual learning			0	0	0	0			0	0.00
	Equipments for Institutional TEQIP unit.			0	0	0	0			0	0.00
	Civil Work			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0.00**	**2**	**55.65**	**1**	**12.00**	**0**	**0.00**	**3**	**67.65**
Assistantships	Masters students enrolled with TEQIP teaching assistantship			0	0	0	0			0	0.00
	PhD students enrolled with TEQIP research assistantship			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
R&D	Research projects taken by UG /PG students			0	0	0	0			0	0.00
	Seed grants for research by faculty			0	0	0	0			0	0.00
	Research publications in engineering in refereed journals			0	0	0	0			0	0.00
	Organising conferences on R&D topics			0	0	0	0			0	0.00
	Patenting of technologies			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**

FSD	Enrollment of faculty with BTech for MTech degree			1	2	1	2			2	4.00
	Enrollment of faculty with MTech for PhD degree			2	0.1	0	0	2	0.1	4	0.20
	Faculty training in subject domain			2	0.2	0	0			2	0.20
	Faculty training in pedagogy			1	0.2	2	0.2			3	0.40
	Organising inhouse training workshops in teaching/research subjects			0	0	0	0			0	0.00
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc			0	0	0	0			0	0.00
	Training/Development of technial/support staff			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	6	2.50	3	2.20	2	0.10	11	4.80
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry			0	0	0	0			0	0.00
	Short term workshops with industry			0	0	0	0			0	0.00
	Academic networking with industry/research institutions including industry-exposure to teachers and			0	0	0	0			0	0.00
	Campus placements of graduates (UG & PG)			0	0	0	0			0	0.00
	Students internship at industry			0	0	0	0			0	0.00
	Joint activities with industry			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Reforms	Fee for NBA accreditation			0	0	0	0			0	0.00
	Activities / Innovations aiming at improvement in quality of education			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Academic support for weak students	Support to academically weak students to enhancement their knowledge and			0	0	0	0			0	0.00
	Others			2	0.2	2	0.2			4	0.40
	Sub-total	0	0.00	2	0.20	2	0.20	0	0.00	4	0.40
Incremental operating cost	IOC			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	Grand total	0	0.00	10	58.35	6	14.40	2	0.10	18	72.85

Government College of Engineering, Bargur 635104.

Department of Science & Humanities

Month wise & Component wise Action Plan for the period From April 2015 to Oct 2016

1. Procurement Plan

Department	May-16		June-16		July-16		Aug-16		Sep-16		TOTAL	
	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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
S&h (Phy)	1	25	1	30.65	1	12	0	0	0	0	2	37

Detailed List of Procurement

Month/Year	Sl. No	Equipment/Software	Budget(Lakhs)
May-16	1	Powder X Ray Diffraction system	25
June	2	Gas Liquid Chromatograph (GLC)	30.65
July	3	Impatience Analyzer	12
		Total	**37 lakhs**

4. Action Plan for Faculty & Staff Development- Chemistry

Department	May 16		Sep 2016		TOTAL	
	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physical Target (Nos.)	Financial Estimate (Rs. Lakh)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
S&H	1	2	1	2	2	4

1. Detailed List of FSD

S.No.	FDP	Coordinators	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Environmental chemistry	Dr.Saraswathy.G, AP(Sr.G) / Chemistry	May'16	2
2	Recent trends in Advanced materials and its Engineering Applications	R. Bakkiyaraj/ AP- Phy	Sep 2016	2
	Total			4

Ph.D Enrollment :

S.No.	Name/ Designation	Ph.D. Assistantship month	Assistantship Amount (in lakhs)
1	R. Bakkiyaraj, AP / Physics	Jun'2016	0.05
2	T. Govindan, AP / Maths	Jun'2016	0.05
3	R. Bakkiyaraj, AP / Physics	Oct'2016	0.05

4	T. Govindan, AP / Maths	Oct'2016	0.05

Faculty Training in Subject Domain

S.No.	FDP	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Need Based	Apr – Jun 2016	0.20

Participation of faculty in Outstation Seminar/ Conferences / Workshops etc

S.No.	FDP	Tentative Month / Year	Expected Budget Expenditure in Lakhs
1	Need Based	Apr – Jun 2016	0.20
2	Need Based	July – Sep 2016	0.20

7. Action Plan for Academic Support for Weak Students - Chemistry

Sl No	Subject Name	Year	Budget
1	Environmental Science and Engg.	IIyr / IIIsem EEE / CSE & IIIyr / Vsem ECE; 70 students/branch	Rs: 10,000/-
2	Engg. Materials and its applications	Iyr/Isem ECE/EEE/CSE/MECH; 60 students/branch	RS:10,000/-
3	Nanochemistry and its applications	Iyr/Isem ECE/EEE/CSE/MECH; 60 students/branch	RS:10,000/-
4	Corrosion studies and its control methods	Iyr/IIsem ECE/EEE/CSE/MECH; 60 students/branch	RS:10,000/-
	Total		Rs. 40000/-

8. Action Plan for IOC - Nil

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Planning for March 2016 to October 2016

Name of the Department : Common **Sub-component :**

Financial figures to be furnished in Rs. Lakh

Activities	Sub-Activities	Action Plan from March 2016 to October 2016 for Balance unspent fund +									
		Mar-16		Apr - Jun 16		Jul-Sep 16		Oct-16		Total	
		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)	Physiacl Target (Nos.)	Financial Estimate (Rs. Lakh)
Procurement	ICT enabled learning, related softwares & hardware.			0	0	0	0			0	0.00
	New laboratory for new PG programs			0	0	0	0			0	0.00
	New laboratory for existing PG programs			0	0	0	0			0	0.00
	Library i.e. books,e-books, journals, e-journals course specific softwares			0	0	0	0			0	0.00
	membership of online journals &			0	0	0	0			0	0.00
	Digital/Virtual learning			0	0	0	0			0	0.00
	Equipments for Institutional TEQIP unit.			1	32	0	0			1	32.00
	Civil Work			0	0	1	25			1	25.00
	Others			0	0	0	0	1	10	1	10.00
	Sub-total	**0**	**0**	**1**	**32.00**	**1**	**25.00**	**1**	**10.00**	**3**	**67.00**
Assistantships	Masters students enrolled with TEQIP teaching assistantship			0	0	0	0			0	0.00
	PhD students enrolled with TEQIP research assistantship			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	**0**	**0**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
R&D	Research projects taken by UG /PG students			0	0	0	0			0	0.00
	Seed grants for research by faculty			0	0	0	0			0	0.00
	Research publications in engineering in refereed journals			0	0	0	0			0	0.00
	Organising conferences on R&D topics			0	0	0	0			0	0.00
	Patenting of technologies			0	0	0	0			0	0.00
	Others	1	0.40	3	1.2	3	1.2	1	0.4	8	3.20
	Sub-total	**1**	**0.4**	**3**	**1.2**	**3**	**1.2**	**1**	**0.4**	**8**	**3.2**

FSD	Enrollment of faculty with BTech for MTech degree			0	0	0	0			0	0.00
	Enrollment of faculty with MTech for PhD degree			0	0	0	0			0	0.00
	Faculty training in subject domain			0	0	0	0			0	0.00
	Faculty training in pedagogy			0	0	0	0			0	0.00
	Organising inhouse training workshops in teaching/research subjects			0	0	0	0			0	0.00
	Paticipation of faculty in outstation seminar/ conferences/ workshops etc			0	0	0	0			0	0.00
	Training/Development of technial/support staff			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with industry			0	0	0	0			0	0.00
	Short term workshops with industry			0	0	0	0			0	0.00
	Academic networking with industry/research institutions including industry-exposure to teachers and			0	0	0	0			0	0.00
	Campus placements of graduates (UG & PG)			0	0	0	0			0	0.00
	Students internship at industry			0	0	0	0			0	0.00
	Joint activities with industry			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Reforms	Fee for NBA accreditation			0	0	0	0			0	0.00
	Activities / Innovations aiming at improvement in quality of education			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Academic support for weak students	Support to academically weak students to enhancement their knowledge and			0	0	0	0			0	0.00
	Others			0	0	0	0			0	0.00
	Sub-total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Incremental operating cost	IOC	4	1.48	13	5.44	13	5.44	5	2.48	35	14.84
	Sub-total	4	1.48	13	5.44	13	5.44	5	2.48	35	14.84
	Grand total	5	1.88	17	38.64	17	31.64	7	12.88	46	85.04

TEQIP II Action Plan for the period from January 2016 to Oct 2016:
College Common Purpose

Procurement :

Sl.No	Items proposed	Month by which Procurement Process will be completed	Amount in Rs. Lakhs
1	Library fully automation equipments	June 2016	32
2	BSNL – Campus wide Network	Sep 2016	10
3	Civil works – Class rooms in Admin Block	Aug 2016	25
	Total		67

Research & Development :

Senior Research Advisor Remuneration Rs. 40000/- Every month

Jan 2016 to October 2016 10 x Rs. 40000 = 400000

Incremental Operating Cost :

Jan – Mar 2016

Sl.No	Particulars	Amount Per Month in Lakhs	Total Amount in Rs. Lakhs
1	TEQIP – Official Salary	0.18	0.54
2	MIS officer Salary	0.20	0.60
3	Data Entry Operator Salary	0.10	0.30
4	BOG Meeting		1.00
5	Mentor Visit, Meetings, Stationary & Postage etc		0.56
	Total		3

Apr – Jun 2016

Sl.No	Particulars	Amount Per Month in Lakhs	Total Amount in Rs. Lakhs
1	TEQIP – Official Salary	0.18	0.54
2	MIS officer Salary	0.20	0.60
3	Data Entry Operator Salary	0.10	0.30
4	BOG Meeting		1.00
5	Meetings, Postage, Consumables etc		0.56
6	Finance Auditing, Statuary Auditing		0.40
7	Stationery Expense (New Financial Year)		1.40
	Total		4.8

Jul – Sep 2016

Sl.No	Particulars	Amount Per Month in Lakhs	Total Amount in Rs. Lakhs
1	TEQIP – Official Salary	0.18	0.54
2	MIS officer Salary	0.20	0.60
3	Data Entry Operator Salary	0.10	0.30
4	BOG Meeting		1.00
5	Performance Auditing & Data Auditing		1.36
	Total		3.8

October 2016

Sl.No	Particulars	Amount Per Month in Lakhs	Total Amount in Rs. Lakhs
1	TEQIP – Official Salary	0.18	0.18
2	MIS officer Salary	0.20	0.20
3	Data Entry Operator Salary	0.10	0.10
4	Finance Auditing		0.12
	Total		0.60