



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD

Departmental Committees - Constitution and Responsibilities

COURSE EXPERT GROUP (CEG)

Objective:

To contribute to the effective implementation of pedagogical approaches and assessment tools identified by PAC, DAB and other regulatory bodies.

Composition:

Course experts from the specified set of courses chaired by senior faculty among them.

Meeting Frequency: Min. 3 times in a semester.

Beginning of the semester, after the first Class Test, after external examinations results are published (for results analysis, computation of CO attainment) and also whenever required.

Tenure: Three years

Quorum: 60%

Roles and Responsibilities:

1. Defining, Reviewing and Reframing the Course Outcomes based on Blooms Taxonomy for all the specified Courses if necessary
2. Framing of Course Articulation matrix (CO-PO mapping) if it is handled for first time
3. Design of assessment tools suitable for the specified courses, Results analysis and preparing the action plan for improvement of Results
4. Conducting Course End Survey, analysis and identify actions to be taken for improving pedagogical approaches
5. Identifying Curriculum gaps by observing CO-PO attainment levels of previous batches
6. Question paper validation to ensure the desired standard from outcome attainment perspective as well as learning levels perspective
7. Setting course wise CO attainment targets before the beginning of the semester
8. Preparing Action plans for improvement and corrective measures
9. Prepare and submit periodic reports (Before the commencement and at the end of each semester) to the Program Assessment Committee (PAC) about the activities carried out

Deliverables:

Submit Reports to PAC on Effectiveness of TLP in terms of:

1. Revision of Course Outcomes if applicable
2. Course Outcome attainment
3. Gaps identified, actions taken and their effectiveness
4. Setting course wise CO attainment targets
5. Suggestions for subsequent Curriculum Revision

CEG - 1: ELECTRICAL CIRCUITS

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1.	Basic Electrical Engineering	Dr. TMK, Mr. ChVK, Mr.MTR, Mr. HK	Dr.T.Murali Krishna
2.	Basic Electrical Engineering Lab	Dr. TMK, Mr. ChVK, Mr.MTR, Mr. HK	
3.	Electrical Circuit Analysis	Dr.KKV,Dr. PVP, Dr. TMK, Mr.DH	
4.	Electromagnetic Fields	Dr. GSB, Dr.TMK, Dr. NVG	
5.	Switch Gear Protection	Dr. TMK, Dr. NVPB, Dr.BKC	
6.	Advanced Power System Protection (Elective)	Dr. TMK, Dr. NVPB, Dr.BKC	

II. CEG – 2: POWER SYSTEMS -A

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1.	Power systems – I	Dr. PVP, Dr. BSK, Mr.IP, Mr.MTR, Dr.PVB	Dr. P.Venkata Prasad
2.	Power Systems-II	Dr. PVP, Dr.BSK, Mr.MTR, Mr.NSK, Dr.PVB	
3.	Power systems – I Lab	Dr. PVP, Dr. BSK, Mr.IP, Mr.MTR, Dr.PVB	
4.	Power systems – 2 Lab	Dr. PVP, Dr.BSK, Mr.MTR, Mr.NSK, Dr.PVB	
5.	Power System Operation &Control	Dr. PVP, Dr.NVPB, Mrs.BVH, Dr.BKC	
6.	Optimization Techniques (Elective)	Dr. PVP, Mr.DH, Mr.CS	
7.	Electrical Distribution System (Elective)	Dr.PVP, Dr.NVPB, Mr.HK, Dr.PVB	
8.	High Voltage Engineering(Elective)	Dr. PVP, Mr.MTR, Mr.DS, Dr.PVB	

III. CEG -3: ELECTRONICS ENGINEERING

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1.	Digital Electronics	Dr.KKV, Dr.NVG, Mr.ChVK, Mr.CH	Dr. N.Vasantha Gowri
2.	Analog Electronic Circuits	Dr.NVG,Dr.PK, Mr.CH	
3.	Analog Electronic Circuits Lab	Dr.NVG,Dr.PK, Mr.CH	
4.	Signals & Systems	Dr.KKV, Dr.NVG, Mr.DH	
5.	Digital Electronics Lab	Dr.KKV, Dr.NVG, Mr.ChVK, Mr.CH	
6.	Microprocessors & Microcontrollers	Dr. NVG, Mr. IP, Mr.D.H	
7.	Microcontroller Lab	Dr. NVG, Mr. IP, Mr.D.H	
8.	Digital Signal Processing (Elective)	Dr.KKV, Dr.NVG, Mr.DH	
9.	Embedded System Design (Elective)	Dr.NVG, Mr.IP,	
10.	Basic VLSI Design (Elective)	Dr. NVG, Mr.CH	
11.	Advanced microprocessors and controllers (Elective)	Dr. NVG, Mr. IP, Mr.D.H	
12.	Computer Organization (Elective)	Dr. NVG, Mr.ChVKR, Mr.CH	

IV. CEG -4: ELECTRICAL MACHINES

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1.	Electrical Machines-1	Dr. GSB, Mr.PHC, Mr.NSK, Mr.MN, Dr.NKP	Dr.G.Suresh Babu
2.	Electrical Machines-1 Lab	Dr. GSB, Mr.PHC, Mr.NSK, Mr.MN, Dr.NKP	
3.	Electrical Machines-II	Dr. GSB, Mr.PHC, Mr.NSK, Mr.MN, Dr.NKP	
4.	Electrical Machines-II Lab	Dr. GSB, Mr.PHC, Mr.NSK, Mr.MN, Dr.NKP	
5.	Special Electrical Machines (Elective)	Dr.GSB, Dr. UKC, Mr.PHC, Mr.NSK	
6.	Electrical Machine Design (Elective)	Dr. GSB, Dr. UKC, Mr.IP, Mr.MN	
7.	Electric Hybrid Vehicles(Elective)	Dr.UKC, Dr.GSB, Mr.PHC	
8.	Machine Modelling and Analysis (Elective)	Dr.GSB, Dr. UKC, Mr.NSK Mr.MN,	

V. CEG – 5: POWER ELECTRONICS

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1	Power Electronics	Dr.KKV, Dr.MBS, Dr.TMK, Dr.TSB, Mr.CH	Dr.K.Krishna Veni
2	Power Electronics Lab	Dr.KKV, Dr.MBS, Dr.TMK, Dr.TSB, Mr.CH	
3	Electrical drives	Dr.KKV, Dr.GSB, Mr.PHC, Mr.MN	
4	Electrical drives Lab	Dr.KKV, Dr.GSB, Mr.PHC, Mr.MN	
5	Advanced Power Converters (Elective)	Dr.KKV, Dr.MBS, Dr.PK, Dr. TSB, Dr.SA	
6	FACTS (Elective)	Dr. KKV, Mr.ChVK, Dr. NVPB	
7	HVDC Transmission systems (Elective)	Dr.KKV, Mr.MTR, Mr.CH, Dr. NKP	
8	Advanced Electrical Drives (Elective)	Dr.KKV, Dr.GSB, Mr.PHC	
9	Switch Mode Power Converters (Elective)	Dr. KKV, Dr.MBR, Dr. PK, Dr.TSB, Dr.NKP,	
1	Design and control of power electronic converters (Elective)	Dr. KKV, Dr.MBR, Dr. TMK, Dr.TSB, Dr. NKP, Mr.SA	
1	Control design for power converter (Elective)	Dr. KKV, Dr. TMK, Mr.CH, Dr.NKP, Mr.SA	

VI. CEG – 6: POWER SYSTEMS - B

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1	Power Quality(Elective)	Dr.PVP, Dr.BSK, Mr.DS, Dr.PVB	Dr.B.Suresh Kumar
2	Electrical Engineering Materials (OE)	Dr.GSB, Dr.PK, Mrs.BVH	
3	Smart Grid Techniques (Elective)	Dr.PVP, Dr.SA, Dr.PVB	
4	Utilization of Electrical Energy	Dr.BSK, Mr.ChVK, Mrs.BVH	
5	Power System Dynamics & Control (Elective)	Dr.PVP, Dr.BSK, Dr.NVPB, Dr.PVB	
6	Waste Management (OE)	Dr. GSB, Dr.. NVG, Mr.GHK,	

VII. CEG – 7: ENERGY SYSTEMS & SIMULATION TECHNIQUES

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1.	Internet of Things in EE	Dr.MBR, Dr.NVG, Mr.CH	Dr. M. Balasubba Reddy
2.	Simulation Techniques for EE (Elective)	Dr.MBR, Mr. IP, Mr.CH	
3.	Energy Conservation (OE)	Dr.MBR, Dr.NVG, Mr.PHC	
4.	Renewable Energy Techniques (Elective)	Dr.MBR, Dr.NVG, Mr.PHC	
5.	Artificial Intelligence Techniques for, EE (Elective)	Dr.MBR, Mr.CS, Mr.DS	
6.	IoT Lab	Dr.MBR, Dr.NVG, Mr.CH	
7.	Energy Auditing (OE)	Dr. GSB, Dr.MBR, Dr. NVG	
8.	Energy Management System (OE)	Dr. GSB, Dr.MBR, Mr.GHK	
9.	Electrical Estimation & Costing (Elective)	Dr.MBR Dr. PK, Mr. PHC, Ms.BVH	

VII. CEG – 8: CONTROL & MEASUREMENTS

S.no	Name of the Course	Course Expert Group	
		Members	Chairman
1.	Electrical Measurements and Instrumentation	Dr.PK, Mr. IP, Mr.CS	Dr.P.Kowstubha
2.	Electrical Measurements and Instrumentation Lab (C&M)??	Dr.PK, Mr. IP, Mr.CS	
3.	Control Systems	Dr.PK, Mr. IP, Mr. DH, Mr.CS, Mrs.M.D	
4.	Control Systems Lab	Dr.PK, Mr. IP, Mr. DH, Mr. CS, Mrs.MD	
5.	Digital Control Systems (Elective)	Dr.PK, Mr. IP, Mr. DH, Mrs.MD	
6.	Electronic Instrumentation (Elective)	Dr.PK, Mr. IP, Mr.CS	
7.	Industrial Instrumentation (Elective)	Dr.PK, Mr. IP, Mr.CS	
8.	Advanced Control Systems (Elective)	Dr.PK, Mr. IP, Mr.CS, Mrs.MD	