CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
COURSE EXPERT GROUP (CEG)
ME (ES&VLSID)

Curriculum Change from AICTE prescribed Model Curriculum (R-20) to AICTE prescribed Model Curriculum (R-23)

Objective:

To contribute to the effective implementation of pedagogical approaches and assessment tools identified by PAQIC, 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
2. Framing of Course Articulation matrix (CO-PO mapping)
3. Computation of CO attainments
4. Design of assessment tools suitable for the specified courses, Results analysis and preparing the action plan for improvement of Results
5. Conducting Course End Survey, analysis and identify actions to be taken for improving pedagogical approaches
6. Identifying Curriculum gaps by observing CO-PO attainment levels of previous batches
7. Question paper validation to ensure the desired standard from outcome attainment perspective as well as learning levels perspective
8. Setting course wise CO attainment targets before the beginning of the semester
9. Maintenance of Course Files
10. Preparing Action plans for improvement and corrective measures

11. Prepare and submit periodic reports (Before the commencement and at the end of each semester) to the Program Assessment Quality Improvement Committee (PAQIC) about the activities carried out

Deliverables:

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

1. Revision of Course Outcomes
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

I.   CEG- 1: Embedded Systems

S.no	Semester	Course Code	Name of the Course	Course Experts Group
1.	II	23EC C205	IoT and RTOS based Embedded System Design	**Dr. PS (Chairman),** Dr.KSN (Adj. Prof), Dr. PS, Dr. NDL, Dr. GMR, Sri MZJ, Smt. JM, Dr SSP and Smt. DS
2.	I	23EC C202	Micro controllers and Programmable Digital Signal Processors	
3.	I	23EC C204	Microcontrollers and Programmable Digital Signal Processors Lab	
4.	I	23EC E204	Advanced Computer Organization	
5.	I	23EC E203	Programming Languages for Embedded Software	
6.	I	23EC E206	System Design with Embedded Linux	
7.	II	23EC C208	IoT and RTOS based Embedded System Design Lab	
8.	II	23EC E207	Industrial Internet of Things	

II. CEG 2: VLSI

S. no	Semester	Course Code	Name of the Course	Course Experts Group
1.	I	23EC C201	Analog and Digital CMOS VLSI Design	**Dr MLNC (Chairman),** Dr BKR, Dr SR, Dr MRR, Sri AKK, Sri NJMR, Smt. BN, Sri PCS, Sri MZJ, Sri ECS, Dr PAK and Smt. GC
2.	I	23EC C203	Analog and Digital CMOS VLSI Design Lab	
3.	II	23EC C206	VLSI Design, Verification and Testing	
4.	II	23EC C209	RTL Synthesis, Simulation and Verification Lab	
5.	I	23EC E201	Low Power VLSI	
6.	III	23EC E213	Nanomaterials and Nanotechnology	
7.	II	23EC C207	Mixed Signal and RF IC Design	
8.	II	23EC E212	SoC Design	
9.	II	23EC E209	VLSI Signal Processing	
10.	II	23EC E211	Physical Design Automation	
11.	I	23EC E205	Algorithms for VLSI Design	
12.	II	23EC E208	Semiconductor Device Modeling	
13.	II	23EC E210	Memory Technologies	

III: CEG-3: Projects & Seminars

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	II	23EC C210	Mini Project	**Dr. MRR (Chairman),** Dr. NVKR, Dr CVN, Dr KV, Dr. BKR, Dr. KSN (Adj. Prof), Dr. PS, Sri. NJMR, Sri. PCS, Sri. MZJ, Dr. MBC and Dr. PAK
2.	III	23EC C211	Industrial Project / Dissertation Phase I	
3.	IV	23EC C212	Industrial Project / Dissertation Phase II	

IV: CEG- 4: Miscellaneous

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	I	23EC E202	MEMS and Applications	**Dr. PA (Chairman),** Dr. BKR, Dr. PS, Dr. NDL, Sri. AKK, Dr. GMR, Dr. GVPK, Sri. PR, Dr. DSR, Dr. PAK.
2.	III	23EC E214	Reconfigurable Computing Systems	
3.	III	23EC E215	Unix & Scripting Languages	