



**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
COURSE EXPERT GROUP (CEG)
ME (ES&VLSID)**

Curriculum Change from CBCS (R-16) to AICTE prescribed Model Curriculum (R-19)

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.	I/II	19EC C202	Embedded System Design using RTOS	Dr. PS (Chairman), NDL, DS, MZJ, JM, GMR and MDSK
2.	I/II	19EC C203	Micro controllers and Programmable Digital Signal Processors	
3.	I/II	19EC C206	Microcontrollers and Programmable Digital Signal Processors Lab	
4.	I/II/III	19EC E201	Advanced Computer Organization	
5.	I/II/III	19EC E202	Communication Buses and Interfaces	
6.	I/II/III	19EC E208	Programming Languages for Embedded Software	

7.	I/II/III	19EC E211	System Design with Embedded Linux	
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II. CEG 2: VLSI

S. no	Semester	Course Code	Name of the Course	Course Experts Group
1.	I/II	19EC C201	Analog and Digital CMOS VLSI Design	Dr NAM (Chairman), Dr MRR, MZJ, PCS, AKK, NJMR, BN, ECS, JBK and GC
2.	I/II	19EC C205	Analog and Digital CMOS VLSI Design Lab	
3.	I/II	19EC C207	RTL Simulation and Synthesis with PLDs Lab	
4.	I/II	19EC C204	VLSI Design Verification and Testing	
5.	I/II	19EC C208	RTOS and VLSI Design Verification Lab	
6.	I/II/III	19EC E203	Data Acquisition System Design	


7.	I/II/III	19EC E204	FPGA & CPLD Architectures	
8.	I/II/III	19EC E205	Low Power VLSI Design	
9.	I/II/III	19EC E206	Nano-materials and Nanotechnology	
10.	I/II/III	19EC E209	RF IC Design	
11.	I/II/III	19EC E210	SoC Design	
12.	I/II/III	19EC E212	VLSI Signal Processing	
13.	I/II/III	19EC E213	VLSI Technology and Physical Design Automation	

III: CEG-3: Projects & Seminars

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	II	19EC C209	Mini Project with Seminar	Dr.NVKR (Chairman), Dr NAM, PCS Dr.MRR Dr.PS and MZJ
2.	III	19EC C210	Dissertation / Phase-I	
3.	IV	19EC C211	Dissertation / Phase-II	

IV: CEG- 4: Miscellaneous

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	I/II/III	19EC E207	Network Security and Cryptography	Dr PNS (Chairman), Dr AV, AS DND and GVPK
2.	I/II/III	19EC E109	Pattern Recognition and Machine Learning	
3.	I/II/III	19EC E214	Wireless Sensor Networks	
4.	I/II	19EC A101	Value Education	


Head, Dept of ECE