



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

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: Communications

S.no	Semester	Course Code	Name of the Course	Course Experts Group
1.	I	23EC C102	Wireless and Mobile Communication	Dr. SR (Chairman), Dr. DKR, Dr. PNS, Dr. ADS, Dr. ASR, Dr. AV, Dr VKM, Sri. MVNB, Smt. KSRSJ, Dr. KSK, Dr. KS, Dr. TAB, Smt. BN, Sri. TS, Sri PCS, Dr ChNV, Dr. SSP and Dr. DSR
2.	I	23EC C104	Wireless and Mobile Communication Lab	
3.	II	23EC C107	5G and Beyond	
4.	I	23EC E102	GNSS and Augmentation Systems	
5.	II	23EC E107	Information Theory and Coding Techniques	
6.	I	23EC E105	MIMO Wireless Communications	
7.	II	23EC E111	Signal Intelligence Systems	
8.	III	23EC E113	Cognitive Radio	
9.	I	23EC E106	Statistical Decision and Estimation Theory	

II. CEG 2: Communication Networks

S. no	Semester	Course Code	Name of the Course	Course Experts Group
1.	II	23EC C105	Advanced Communication Networks	Dr. GVPK (Chairman),

2.	II	23EC C108	Advanced Communication Networks Lab	Dr. AV, Smt. AS, Dr. KSK, Dr. DSR, Dr. DBR and Dr. MRKN
3.	I	23EC E101	Data and Optical Networks	
4.	III	23EC E115	Programmable Networks – SDN, NFV	
5.	II	23EC E109	Network Security and Cryptography	
6.	II	23EC E112	Wireless Sensor Networks and Protocols	
7.	I	23ECE104	High Performance Networks	

III: CEG-3: Projects & Seminars

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	II	23EC C110	Mini Project	Sri MVNB (Chairman), Dr. DKR, Dr. ADS, Dr. CVN, Dr. KSN (Adj. Prof), Dr. ASR, Dr. GVPK, Dr. KV and Dr. DBR
2.	III	23EC C111	Industrial Project / Dissertation Phase I	
3.	IV	23EC C112	Industrial Project / Dissertation Phase II	

IV: CEG- 4: Miscellaneous

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	I	23EC C101	Advanced Digital Signal Processing	Dr. TAB (Chairman), Dr. NVKR, Dr. PNS, Dr. CVN, Dr. KSN (Adj. Prof), Dr. KV, Smt AS Dr. GMR, Dr. KS, Dr. DND, Dr. CHNV, Smt JM, Dr. JG, Dr. SSP, Dr. DSR, Smt GC, Dr. DBR and Dr. MVS
2.	I	23EC C103	Advanced Digital Signal Processing Lab	
3.	I	23EC E103	Radiating Systems for RF Communication	
4.	II	23EC E108	Markov Chain and Queuing Systems	
5.	II	23EC E110	Machine Learning for Next Generation Communication Systems	
6.	II	23EC C106	Industrial IoT and Applications	
7.	II	23EC C109	Advanced IoT and Applications Lab	

8.	III	23EC E114	Deep Learning Techniques for Signal Processing	
9.	I/III	23ECA101	Value Education	