



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-19) to AICTE prescribed Model Curriculum (R-20)

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	20EC C104	Wireless and Mobile Communication	Dr PNS (Chairman), Dr DKR, Dr ADS, Dr.KSN(Adj.Prof), Dr ASR, Dr AV , Dr.VKM, Sri MVNB, Smt KRSJ , Sri TAB, Smt.BN, Dr KS, Sri.TS, Dr KSK, Dr. ChNV
2.	I	20EC C108	Wireless and Mobile Communication Lab	
3.	I/II/III	20EC E103	Global Navigation Satellite Systems	
4.	I/II/III	20EC E105	Information Theory and Coding Techniques	
5.	I/II/III	20EC E107	Microwave and Satellite Communication	
6.	I/II/III	20EC E108	MIMO Wireless Communications	
7.	I/II/III	20EC E110	Remote Sensing	
8.	I/II/III	20EC E111	Signal Intelligence Systems	
9.	I/II/III	20EC E112	Software Defined and Cognitive Radio	
10.	I/II/III	20EC E113	Statistical Decision and Estimation Theory	

II. CEG 2: Communication Networks

S. no	Semester	Course Code	Name of the Course	Course Experts Group
1.	II	20EC C101	Advanced Communication Networks	Dr AV (Chairman), Smt AS, Sri GVPK, Smt DND, Dr KSK, Dr.MRKN
2.	II	20EC C105	Advanced Communication Networks Lab	
3.	I/II/III	20EC E101	Data and Optical Networks	
4.	I/II/III	20EC E104	High Performance Networks	
5.	I/II/III	20EC E207	Network Security and Cryptography	
6.	I/II/III	20EC E114	Wireless Sensor Networks	

III: CEG-3: Projects & Seminars

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	II	20EC C109	Mini Project with Seminar	Dr. DKR (Chairman), Dr. PNS, Dr. ADS, Dr.KSN (Adj.Prof) , Dr. ASR, Sri MVNB, Sri GVPK
2.	III	20EC C110	Project /Dissertation Phase I	
3.	IV	20EC C111	Project /Dissertation Phase II	

IV: CEG- 4: Miscellaneous

S.no	Semester	Course Code	Name of the Course	Course Experts
1.	I	20EC C102	Advanced Digital Signal Processing	Dr NVKR (Chairman), Dr PNS, Dr.KSN (Adj.Prof) , Smt AS, Sri.TAB, Dr KS, Smt JM, Dr.JG, Smt.MVS, Dr.SPS, Sri.AM
2	I	20EC C106	Advanced Digital Signal Processing Lab	
3	II	20EC C103	Antennas and Radiating Systems	
4	II	20EC C107	Antennas and Radiating Systems Lab	
5	I/II/III	20EC E102	DSP Architecture	
6	I/II/III	20EC E106	Internet of Things	
7	I/II/III	20EC E109	Pattern Recognition and Machine Learning	
8	I/II	20EC A101	Value Education	