

M.E. Semester –IV
Choice Based Credit Grading Scheme (CBCGS 2019)

ME (Electronics and Telecommunication Engineering)					SEM : IV					
Course Name : Dissertation –II / Industry Project					Course Code : D2-ETCME401					
Teaching Scheme (Program Specific)					Examination Scheme (Formative/ Summative)					
Modes of Teaching / Learning / Weightage					Modes of Continuous Assessment / Evaluation					
Hours Per Week					Theory (100)		Practical/Oral /Presentation(100)	Term Work (100)	Total	
Theory	Tutorial	Practical	Contact Hours	Credits	IA	ESE	PR/OR	TW	200	
-	-	-	32	16	-	-	100	100		
Prerequisite: Domain knowledge, Undergraduate level core subjects and Subjects studied in Sem 1 & 2.										

Major Project objective:

It is expected from the learner to undertake industrially relevant problem to develop an optimal solution through extensive research work.

Major Project Outcomes:

Sr. No.	Outcomes	Cognitive levels of attainment as per Bloom's Taxonomy
1	Discover potential research areas in the field of study	Analyze(AN)
2	Conduct a survey of several available literature in the preferred field of study	Apply(A)
3	Compare and contrast the several existing solutions for research challenge	Evaluate(E)
4	Formulate and propose a plan for creating a solution for the research plan identified	Analyze(AN)

5	To report and present the findings of the study conducted in the preferred domain	Evaluate(E)
6	Patenting of outcomes if it is significant and of commercial value	Evaluate(E)

Guidelines: Dissertation II will start after submission of Research Proposal as prescribed in Dissertation I. Detailed guidelines for completing Dissertation II are given below, based on these guidelines the PG student should complete the 3 stages of these recommended guidelines. After completion of these 3 stages a synopsis of thesis approved by the guide has to be submitted for approval to the BOE/ RRC. After the BOE/RRC meeting the student/guide will be intimated details of the recommendation/ suggestions of the committee about the synopsis. Based on these recommendations/suggestions the PG student has to incorporate changes in consultation with the guide and prepare the final thesis. Viva-voce will be conducted after submission of the final thesis in the prescribed format, which is complete in all respects and approved by the recognized PG teacher, HOD and Principal.

Sr no.	Detailed Guidelines	Hours	RBT Levels
1	Methodology: Appropriateness of the method to solve the research problem. Its advantages and disadvantages. Comparison with the state of art.	8	Analyze (AN)
2	Results and Analysis: Well presented in the form of graphs, charts, tables, diagrams etc. Appropriate data visualization techniques is to be used for easy and intelligent interpretation	8	Create(C)
3	Conclusion and Discussions:	8	Evaluate (E)

	Findings should be summarized, implications and application discussed, Contribution to the body of knowledge/theory/society to be indicated , strengths, limitations and future directions for research should be discussed.		
4	<p>Thesis/ Dissertation writing:</p> <p>Thesis/ Dissertation should include the following sections</p> <p>Abstract</p> <ol style="list-style-type: none"> 1. Introduction 2. Background and Significance 3. Literature Review 4. Research Design and Methodology 5. Results and Analysis 6. Conclusion and Discussions <p>References</p> <p>Proper citations should be used for the sources while writing the thesis</p>	8	Create(C)
Total hours		32	

References:

1. Writing Your ThesisBy Paul Oliver, Sage Publications
2. Guide to Research Projects for Engineering Students: Planning, Writing and PresentingBy EngChoon Leong, Taylor and Francis
3. Ideas On How to Write a Conclusion of an Engineering Thesis or PaperBy Neil Bose,eBookIT
4. Thesis & Dissertation WritingBy Rivera, Maximiano.M.Jr., Katha Publishing Inc

Web Reference:

<https://libguides.usc.edu/writingguide/researchproposal>