

Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bengaluru

Course Title : Project Work-I	Course Code : 15EC58P
Semester : 5	Course Group : Core
Teaching Scheme in Hr. (L:T:P) : 0:1:2	Credits : -
Type of course : Practical	Total Contact Hours : 39
CIE : 25 Marks	

Prerequisites

Knowledge of electronics and communication engineering, and programming languages.

Course Objectives

Application of the knowledge/concepts acquired in the lower semesters to create/design/implement project relevant to the field of Electronics and Communication Engineering.

Course Outcomes

At the end of the course, the students will be able to

Course Outcome		CL	Teaching Hrs
CO1	Survey the literature and market (for availability of resources)	<i>R/U/A/C</i>	30
CO2	Identify the project and synopsis preparation and presentation	<i>R/U/A/C</i>	9
Total sessions			39

Legend: R-Remember, U-Understand, A-Application, E-Evaluate, C-Create, CL-Cognitive Level, and PO-Program Outcome

Mapping Course Outcomes with Program Outcomes

Course Outcomes	Programme Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	*	*	*	*	--	--	*	--	*	*
CO2	*	*	*	*	--	--	--	*	--	*

Course-PO Attainment Matrix

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
Project Work-I	3	3	3	3	3	--	--	3	1	3
<p>Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed. Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO. If $\geq 40\%$ of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3 If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2 If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1 If $< 5\%$ of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.</p>										

Course Assessment and Evaluation Scheme

Master Scheme

Assessment Method	What		To Whom	Assessment mode /Frequency /timing	Max. Marks	Evidence Collected	Course Outcomes
Direct assessment	CIE	IA	Students	Literature survey	10	Synopsis Project Model	1
				Market survey	10		2
				Report/presentation	5		1 to 2
				Total		25	
Indirect assessment	Student feedback on course		Students	Middle of the Course	Nil	Feedback Forms	1 to 3 & Delivery of course
	End of course survey			End of the Course	Nil	Questionnaires	1 to 4, Effectiveness of delivery instructions & assessment methods

Legends: CIE-Continuous Internal Evaluation, SEE- Semester End-exam Evaluation

+ Every I.A. component shall be conducted as per SEE scheme of valuation.

- Project evaluation is based on the following Rubrics table

Composition of CLs

Sl. No.	Cognitive Levels (CL)	Weightage (%)
1	Remembering	10
2	Understanding	10
3	Applying	30
4	Evaluation	20
5	Create	30
Total		100

Continuous Internal Evaluation (CIE) pattern

(i) Model of rubrics for assessing project activity (for every student)

Dimension	Scale					Marks (Example)
	1 Unsatisfactory	2 Developing	3 Satisfactory	4 Good	5 Exemplary	
1. Information search and Collection.	Does not collect information relate to topic	Collects very limited information, some relate to topic	Collects basic information, most refer to the topic	Collects more information, most refer to the topic	Collects a great deals of information, all refer to the topic	3
2. Full-fills team roles and duties	Does not perform any duties assigned to the team role	Performs very little duties	Performs nearly all duties	Performs almost all duties	Performs all duties of assigned team roles	2
3. Shares work equality	Always relies on others to do the work	Rarely does the assigned work, often needs reminding	Usually does the assigned work, rarely needs reminding	Always does the assigned work, rarely needs reminding.	Always does the assigned work, without needing reminding	5
4. Listening Skills	Is always talking, never allows anyone to else to speak	Usually does most of the talking, rarely allows others to speak	Listens, but sometimes talk too much,	Listens and talks a little more than needed.	Listens and talks a fare amount	3
Total marks						ceil(13/4)= 4

(ii) CIE/IA (10+10 Marks)

Literature and market Surveying

(iii) Synopsis/presentation (5 Marks)

End