



GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Engineering

Subject Code: 3172121

Semester – VII

Subject Name: Engineering Materials Research Paper Review and Presentation

Type of course: Science & Engineering

Prerequisite: Basic Knowledge of Engineering Materials

Rationale: Research paper review and presentation course is prepared to give exposure to students about advances in Engineering Materials and allied field, report writing, and presentation skills. Knowledge of advances in Engineering Materials and allied field, report writing, and presentation skills will improve the technical competencies of students.

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA (M)	ESE (V)	PA (I)	
0	0	6	3	00	00	80	20	100

General Guidelines:

Research paper review and presentation course will consist of study, review, and presentation of research papers on a selected topic related to engineering materials in general from refereed journals/reports. Each group of students (3-4 students in a group) will be assigned a topic related to recent advancements in the area of engineering materials by the faculty concerned. Students will do a literature survey, study and practice the presentation of his/her work in the batch during the semester. Students will write a paper and present the same at the time of the final presentation in the group.

The exercises should be properly designed and implemented in an attempt to develop different types of cognitive and practical skills (Outcomes in the cognitive, psychomotor, and affective domain) so that students can acquire the competencies. However, if these exercises are completed appropriately, they would also lead to the development of Programme Outcomes/Course Outcomes in the affective domain for this program. Faculty should ensure that students also acquire Programme Outcomes/Course Outcomes related to the affective domain.

Course Outcomes:

Sr. No.	CO statement	Marks % Weightage
CO-1	Conduct a quality literature review.	35
CO-2	Formulate a review paper.	30
CO-3	Present the review paper.	35