

Course Code	Course Title	L	T	P	C
PSET695J	Project Work	0	0	0	4
Pre-requisite	NIL	Syllabus version			
		1.0			
Course Objectives:					
<div>1. Use insight and creativity for better understanding of the domain of interest, scrutinize technical literature and identify research gaps</div> <div>2. Conduct experiments / Design and Analysis / solution iterations and document the results</div> <div>3. Synthesize the results and arrive at scientific conclusions / products / solution.</div> <div>4. Disseminate the advancement in the technology, new product / process development</div>					
Course Outcomes:					
<div>At the end of the course student will be able to</div> <div>1. Retrieve, analyze, and interpret published literature/books providing information related to niche areas/focused domains</div> <div>2. Formulate specific problem statements for well-defined problems with reasonable assumptions and constraints</div> <div>3. Perform experimental work, analyze, simulate and validate the findings</div> <div>4. Synthesize novel information and use the insights for further advancement in the domain</div> <div>5. Publish the findings in the peer reviewed Journals / National / International Conferences and file patent</div>					
Module Contents		Project Duration: Two Semester			
This is oriented towards reading published literature or books related to niche areas or focused domains, design and conduct experiments, analyze, interpret and validate the data under the guidance of a faculty. Design and development of new process and product. Project can be for one or two semesters based on the completion of the work and achieving a tangible outcome in the form of a published or accepted Journal paper / reputed conference proceedings / filing a patent. Can be individual work or a group project, with a maximum of 3 students.					

Mode of Evaluation: Tangible outcome (Published / accepted Journal Paper or published paper in a reputed conference proceedings or patent filed) is the primary factor for award of final marks / grade. In the absence of any of the above mentioned outcome, then the marks scored in the periodic reviews (one review on the progress of the work, per semester organized by the HoD / Project Coordinator) and the presentation in the International Conference on Science, Engineering Technology organized at VIT along with a project report will be considered for award of mark / grade.

Recommended by Board of Studies	28-02-2024		
Approved by Academic Council	No. 73	Date	14-03-2024