



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

COURSE OUTCOMES
2021-22 IV B.TECH II SEM

CO NUMBER	COURSE OUTCOME(CO)STATEMENT -AT THE END OF THE COURSE ,THE STUDENTS WILL BE ABLE TO	BLOOMS TAXONOMY
PRODUCTION PLANNING AND CONTROL(C421)		
C421.1	Explain the concepts of production and service systems	Understand
C421.2	Implement the principles and techniques in the design, planning and control of Forecasting systems	Apply
C421.3	Execute different strategies employed in manufacturing and service industries to plan production and control inventory.	Apply
C421.4	Distinguish the effectiveness, identify likely areas for improvement of Routing	Analyze
C421.5	Distinguish the implement and improved of Scheduling policies	Analyze
C421.6	Implement the mechanical details and to calculate power and efficiency of rotary compressors.	apply
UNCONVENTIONAL MACHINING PROCESSES(C422)		
C422.1	Sketch and select the process parameters of USM which will effect the MRR	Evaluate
C422.2	Solve problems for estimation of MRR in ECM	Apply
C422.3	Explain different thermal metal removal process	Understand
C422.4	Compare EBM & LBM along with process parameters	Analyze
C422.5	Differentiate PAM from other unconventional machining process	Analyze
C422.6	Select the appropriate unconventional machining process based on the application and process parameters	Evaluate
AUTOMOBILE ENGINEERING(C423)		
C423.1	Distinguish basic components of automobile	Analyze
C423.2	Describe about the clutches, gear boxes, flywheel, rear axle types, wheels and tyres	Understand
C423.3	Demonstrate the functioning of steering system	Apply
C423.4	Demonstrate the functioning of suspension, braking and electrical systems	Apply
C423.5	Describe the safe attitude towards mechanical operations of the automotive industry	Understand
C423.6	Examine and control pollutants from the engine	Analyze
NON DESTRUCTIVE EVALUATION(C424)		
C424.1	Differentiate the Non destructive and Destructive Techniques	Analyze
C424.2	Explain the principle and limitations of Ultra sonic test	Understand
C424.3	Implement the Liquid penetration test & Eddy current test	Apply
C424.4	Compare the magnetic particle test with other ND Techniques	Apply
C424.5	Describe the infrared & thermal testing	Understand
C424.6	Select the appropriate ND Technique for several industrial applications	Evaluate
SEMINAR(C425)		
C425.1	Identify recent technical topics from interested domains	Apply

C425.2	review literature on a given advance topic related to the specific stream	Apply
C425.3	prepare a summary of various concepts,theories models,applications and methodology related to the concerned topics	Apply
C425.4	Develop presentation and communication skills	Apply
C425.5	present and discuss the concept & conclusion in an open seminar	Apply
C425.6	present technical report as per specified norms.	Apply
PROJECT(C426)		
C426.1	Write an abstract and explaining the requirements	Understand
C426.2	Collect the related document for proposed system by referring various journals, books and web references.	Analyze
C426.3	Identify the time and cost required to develop the project	Understand
C426.4	Develop the project in a collective manner by applying their knowledge and should not copy from others	Create
C426.5	Write the summary of the project and explain its uses	Understand
C426.6	Demonstrate the project individual and in a group	Apply

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