

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY :: KANURU  
DEPARTMENT OF MECHANICAL ENGINEERING  
IV B.TECH II SEM (Sec-1&2) PROJECT WORK DETAILS**

Academic Year:2022-23

**MAJOR PROJECTS USING ADVANCED SOFTWARES**

**Total : 06**

S.No	Title of the project	Name of the guide
1.	COMPUTATIONAL FLUID DYNAMIC ANALYSIS OF HEAT REJECTION RATE OF A MICRO CHANNEL HEAT SINK WITH A NOVEL HEAT TRANSFER MEDIA CONVERSION	Mrs. Ch Vidya
2.	FLEXURAL AND IMPACT STRENGTH OF NATURAL FIBRE REINFORCEMENT COMPOSITES USING EXPERIMENTAL AND SIMULATION STUDY	Mr. T Srinag
3.	ANALYSIS OF WELDED STRUCTURE USING FINITE ELEMENT METHODS	Mr. Ch. Mohan sumanth
4.	IDENTIFICATION OF MACHINE FAULTS USING DATA DRIVEN MODELS THROUGH VIBRATION ANALYSIS	Mr Ch Lakshmi kanth
5.	ONLINE VIBRATION MONITORING OF ROTATING MACHINERY THROUGH IOT USING NODEMCU	Dr. K Ravi Prakash
6.	MACHINING CHARACTERISTICS AND MECHANICAL PROPERTIES OF AL-ZR-BORON CARBIDE METAL MATRIX COMPOSITE PRODUCED BY STIR CASTING	Mr. P. Gopalakrishnaiah



**HEAD**

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