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## **SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)**

(Sponsored by Sri Vasavi Educational Society)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada  
Pedatadepalli, TADEPALLIGUDEM – 534 101, W.G. Dist, (A.P.)

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### **CRITERION - 4.1 : PHYSICAL INFRASTRUCTURE SAMPLE PHOTOGRAPHS**

#### **LECTURE HALLS/SEMINAR HALLS/DRAWING ROOMS/LABS OF Mechanical Engineering**

<b>CRITERION IV : PHYSICAL FACILITIES IN MECHANICAL DEPARTMENT</b>	
	<b>MECHANICAL</b>
Total Number of Classrooms Available	7
Total Number of Smart Classrooms Available (Projector, LAN, Digital Board etc.,)	1
Total Number of Classrooms with only LCD Projector Facility	5
Total Number of Laboratories Available	12
Total Number of Drawing Halls Available	1
Total Number of Staff Rooms Available	5
Department Library (Yes/No)	Yes
Total Number of Titles in Department Library	450
Total Number of Volumes in Department Library	600
Total Number of Journals in Department Library	0
Conference Rooms Available	No
Seminar Halls Available	1
Department Digital Library Facility (Yes/No)	No
Number of Boys Rest Rooms	2
Number of Girls Rest Rooms	1
Number of Faculty Rest Rooms	1
Internet Connectivity and WI FI Connectivity	Yes
Lift availability (Yes/No)	No
Total Number of Computers connected with LAN	90

**LECTURE HALL NO: 201**



GPS Map Camera

Tadepalle, Andhra Pradesh, India  
VF5W+446, Tadepalle, Andhra Pradesh 534101, India  
Lat 16.857852°  
Long 81.495462°  
19/06/23 02:55 PM GMT +05:30

**LECTURE HALL NO: 202**



GPS Map Camera

Tadepalle, Andhra Pradesh, India  
EEE Department, Vasavi College Rd, Tadepalle, Andhra Pradesh  
534101, India  
Lat 16.857884°  
Long 81.49535°  
19/06/23 02:52 PM GMT +05:30

**LECTURE HALL NO: 303**



GPS Map Camera




Tadepalle, Andhra Pradesh, India  
VF5W+446, Tadepalle, Andhra Pradesh 534101, India  
Lat 16.857752°  
Long 81.495328°  
19/06/23 02:48 PM GMT +05:30

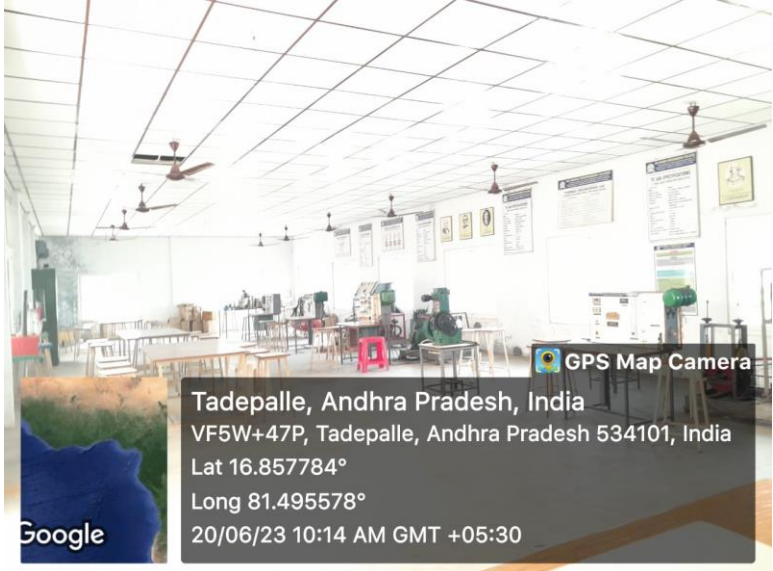
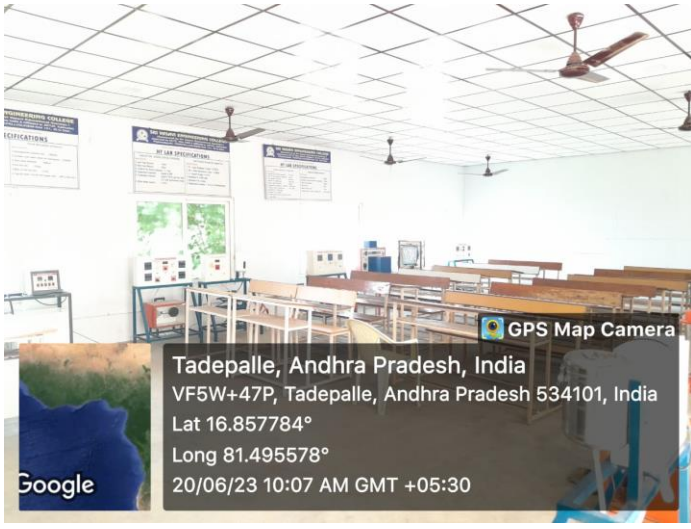
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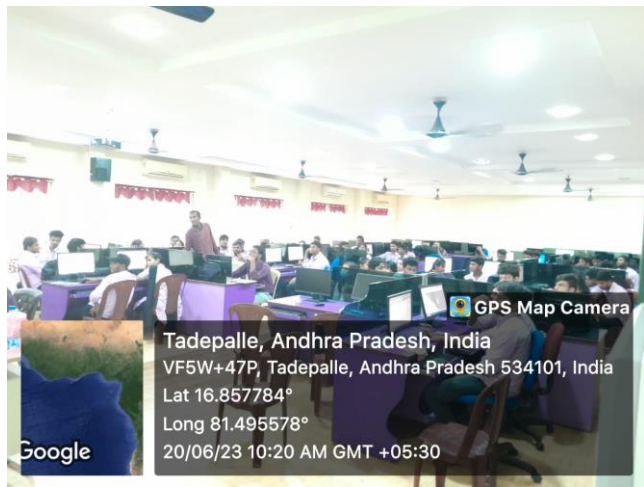
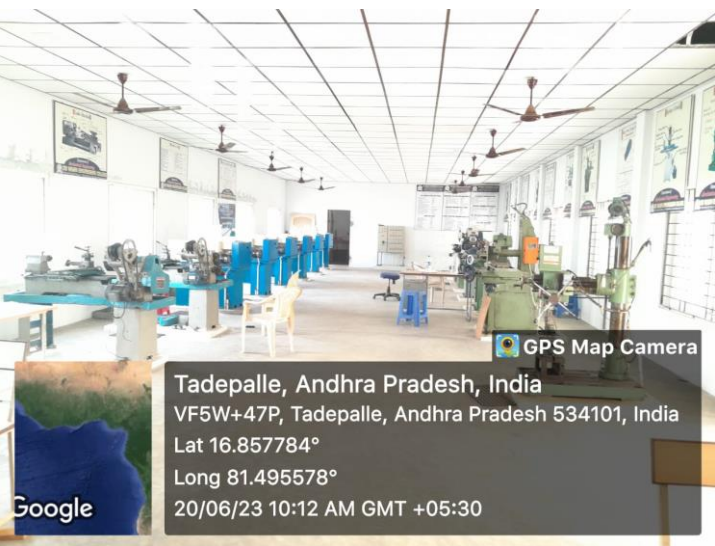





GPS Map Camera

Tadepalle, Andhra Pradesh, India  
VF5W+47P, Tadepalle, Andhra Pradesh 534101, India  
Lat 16.857784°  
Long 81.495578°  
21/06/23 12:59 PM GMT +05:30

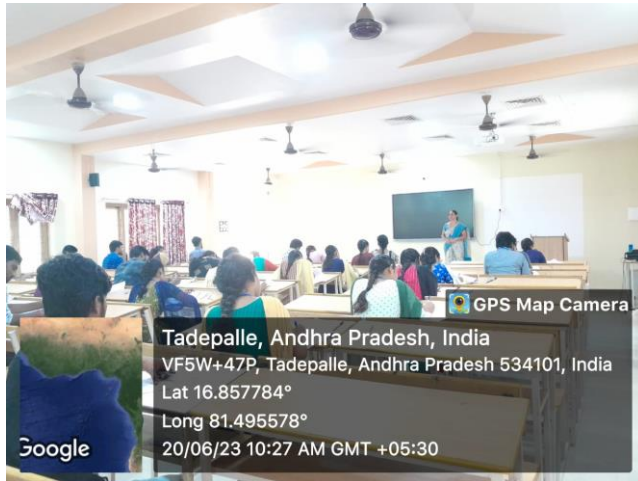
<p align="center"><b>PICTURE OF ENGINEERING WORKSHOP LAB</b></p>	<p align="center"><b>LAB DESCRIPTION</b></p>
 <p>A photograph of an engineering workshop lab. A group of students is gathered around a workbench, looking at a piece of equipment. A male instructor is standing nearby. The room has large windows and various tools and equipment are visible.</p> <p align="right">GPS Map Camera</p> <p>Tadepalle, Andhra Pradesh, India VF5W+47P, Tadepalle, Andhra Pradesh 534101, India Lat 16.857784° Long 81.495578° 20/06/23 02:52 PM GMT +05:30</p> <p>Google</p>	<p align="center"><b>Engineering Workshop Lab</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Carpentry vice, hand saws, metal jackplanes</li> <li>2. Bench vice, surface plate, angle plate</li> <li>3. Snips, stakes, mallets</li> <li>4. Electrical furnace, swage block, anvil, sledge hammers, tongs</li> <li>5. Standard wire gauge, tester, screw drivers,</li> <li>6. cutting pliers, lamp holders, wires</li> </ol> <p><b>Total Lab cost: 5,71,074/-</b></p>
<p align="center"><b>PICTURE OF MECHANICS OF SOLIDS AND METALLURGY LAB</b></p>	<p align="center"><b>LAB DESCRIPTION</b></p>
 <p>A photograph of a mechanics of solids and metallurgy lab. The room is well-lit with several ceiling fans. There are several workbenches with various testing machines and equipment. A student is visible in the background.</p> <p align="right">GPS Map Camera</p> <p>Tadepalle, Andhra Pradesh, India VF5W+47P, Tadepalle, Andhra Pradesh 534101, India Lat 16.857784° Long 81.495578° 20/06/23 09:48 AM GMT +05:30</p> <p>Google</p>	<p align="center"><b>MECHANICS OF SOLIDS AND METALLURGYLAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Universal testing machine</li> <li>2. Impact testing machine</li> <li>3. Rockwell and brinnells hardness testing machines</li> <li>4. Spring testing machine</li> <li>5. Torsion Testing machine</li> <li>6. Testing on deflection of beam</li> <li>7. Hydraulic mounting press</li> <li>8. Muffle furnace</li> <li>9. Jominy end quench machine</li> </ol> <p align="center"><b>Total Lab cost: 9,26,120/-</b></p>
<p align="center"><b>PICTURE OF PRODUCTION TECHNOLOGY LAB</b></p>	<p align="center"><b>LAB DESCRIPTION</b></p>
 <p>A photograph of a production technology lab. The room is filled with various machines and equipment, including a lathe, a welding machine, and a press. There are several workbenches and a student is visible in the background.</p> <p align="right">GPS Map Camera</p> <p>Tadepalle, Andhra Pradesh, India VF5W+47P, Tadepalle, Andhra Pradesh 534101, India Lat 16.857784° Long 81.495578° 20/06/23 10:04 AM GMT +05:30</p> <p>Google</p>	<p align="center"><b>PICTURE OF PRODUCTION TECHNOLOGY LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Wood turning lathe</li> <li>2. Permeability tester</li> <li>3. Arc welding machine</li> <li>4. Spot welding machine</li> <li>5. Fly press</li> <li>6. Injection Moulding</li> <li>7. Blow moulding</li> </ol> <p align="center"><b>Total Lab cost: 9,22,945/-</b></p>

PICTURE OF THERMAL ENGINEERING LAB	LAB DESCRIPTION
	<p align="center"><b>THERMAL ENGINEERING LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Variable compression ratio test apparatus</li> <li>2. 2-Stroke single cylinder petrol engine test rig</li> <li>3. 4-Stroke single cylinder diesel engine test rig</li> <li>4. 4-Stroke single cylinder petrol engine test rig</li> <li>5. Double cylinder reciprocating air compressor test rig</li> </ol> <p><b>Total Lab cost: 12,56,263/-</b></p>
PICTURE OF HEAT TRANSFER LAB	LAB DESCRIPTION
	<p align="center"><b>HEAT TRANSFER LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Heat pipe. Demonstration</li> <li>2. Pin-Fin demonstration</li> <li>3. Composite wall demonstration Forced Convection Apparatus</li> <li>4. Stephan Boltz man apparatus Parallel and counter flow heat exchanger</li> </ol> <p><b>Total Lab cost: 3,20,570/-</b></p>

PICTURE OF FLUID MECHANICS AND HYDRAULICS LAB	LAB DESCRIPTION
	<p align="center"><b>FLUID MECHANICS AND HYDRAULICS LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Bernoulli's theorem apparatus</li> <li>2. Mouth piece &amp; Orifice</li> <li>3. Single stage centrifugal pump</li> <li>4. Multi stage centrifugal pump</li> <li>5. Reciprocating centrifugal pump</li> <li>6. Pelton wheel apparatus</li> <li>7. Francis Turbine</li> </ol> <p><b>Total Lab cost: 5,80,371/-</b></p>
PICTURE OF CAD / CAM LAB	LAB DESCRIPTION
	<p align="center"><b>CAD / CAM LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Desktop Computers</li> <li>2. Application Software (AutoCAD, Solid works, Femap)</li> <li>3. CNC Milling M/C</li> <li>4. Cut viewer mill and turn</li> </ol> <p><b>Total Lab cost: 33,10,450/-</b></p>
PICTURE OF MACHINE TOOLS LAB	LAB DESCRIPTION
	<p align="center"><b>MACHINE TOOLS LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Lathe Machine</li> <li>2. Milling Machine</li> <li>3. Slotting Machine</li> <li>4. Shaper</li> <li>5. Cylindrical Grinding Machine</li> <li>6. Surface Grinding Machine</li> <li>7. Radial Drilling Machine</li> <li>8. Tool and Cutter Grinding Machine</li> </ol> <p><b>Total Lab cost: 18,21,792/-</b></p>

PICTURE OF METROLOGY & INSTRUMENTATION LAB	LAB DESCRIPTION
	<p><b>METROLOGY &amp; INSTRUMENTATION LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Sine bar</li> <li>2. Gear tooth Vernier caliper</li> <li>3. Dial bore indicator</li> <li>4. Gear teeth Vernier caliper</li> <li>5. Tally surface testing machine</li> <li>6. Calibration of pressure gauge</li> <li>7. Calibration of transducer for temperature measurement</li> <li>8. Calibration of thermocouple for temperature measurement</li> <li>9. Calibration of strain gauge</li> </ol> <p><b>Total Lab cost: 3,53,657/-</b></p>
PICTURE OF R&D LAB	LAB DESCRIPTION
	<p><b>R&amp;D LAB</b></p> <p><b>Major equipment with Specifications :</b> CNC turning, milling</p> <p><b>Total Lab cost: 9,90,000/-</b></p>
PICTURE OF TOM LAB	LAB DESCRIPTION
	<p><b>TOM LAB</b></p> <p><b>Major equipment with Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Whirling of Shaft Apparatus Model: TM05</li> <li>2. Universal Governor Apparatus Model: TM02</li> <li>3. Cam Analysis Apparatus Model: TM04</li> <li>4. Belt &amp; Pulley Apparatus – Simple Version</li> </ol> <p><b>Total Lab cost: 1,74,300/-</b></p>

**PICTURE OF SEMINAR HALL / Drawing Hall**



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20/06/23 10:27 AM GMT +05:30

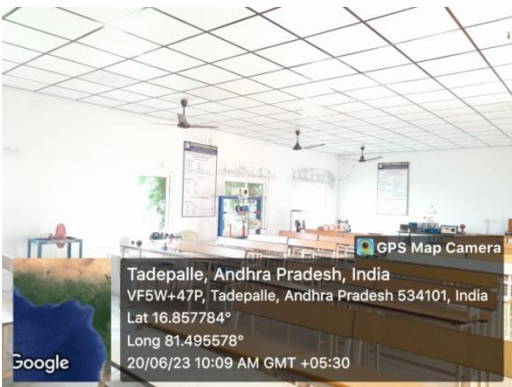
GPS Map Camera  
Tadepalle, Andhra Pradesh, India  
VF5W+47P, Tadepalle, Andhra Pradesh 534101, India  
Lat 16.857784°  
Long 81.495578°  
20/06/23 03:02 PM GMT +05:30

**PICTURE OF DASSAULT LAB**



GPS Map Camera  
Tadepalle, Andhra Pradesh, India  
VF5W+47P, Tadepalle, Andhra Pradesh 534101, India  
Lat 16.857784°  
Long 81.495578°  
20/06/23 02:34 PM GMT +05:30

**PICTURE OF PG LAB**



GPS Map Camera  
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VF5W+47P, Tadepalle, Andhra Pradesh 534101, India  
Lat 16.857784°  
Long 81.495578°  
20/06/23 10:09 AM GMT +05:30

**LAB DESCRIPTION**

**MACHINE DYNAMICS LAB**

**Major equipment with Specifications :**

1. Universal Vibration Apparatus
2. Pin on Disc wear
3. Gyroscope

**Total Lab cost: 2, 65, 500 /-**