



SWAMI VIVEKANANDA UNIVERSITY

EXCELLENCE * INNOVATION * ENTREPRENEURSHIP

www.swamivivekanandauniversity.ac.in

Consultancy Services: Department of Mechanical Engineering

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CENTRE FOR MATERIAL TESTING AND CHARACTERIZATION

For details: [Click here](#)

S. No.	Analysis Modes/Testing	Basis	National academic/R&D institutions	Industry
1	Universal Testing Machine (Instron, United Kingdom) Room Temperature tension/compression	Per hour	Rs. 800 per sample (up to 10 sample), additional sample Rs. 500per sample + Service tax₹	Rs. 1500 per sample (up to 10 sample), additional sample Rs. 1200 per sample + Service tax₹
2	Universal Testing Machine (Instron, United Kingdom) Stress controlled Fatigue Tests (10Hz orHigher)	Per Sample	Rs. 10000 for S-N curve (with first 10 samples) For more samples, following rates: • -Rs. 500 per sample for up to 20K cycles • Rs. 1000 per sample for up to1 Lakh cycles. Rs. 8000 per sample for 5 Lakh cycles andabove + Servicetax₹	Rs. 50000 for S-N curve (with first 10 samples) For more samples, following rates • Rs. 10000 per sample for each additional sample + Service tax₹

Campus : Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121.

Corporate Office : Sonarpur Station Rd, Karbala More, Kumarkhali, Narendrapur, Kolkata, West Bengal 700103

Regd. Office : 11/3, Biresh Guha Street , 7th floor , Kolkata : 700017

E- mail : info@swamivivekanandauniversity.ac.in , Contact : 033 2428 3035



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3	Universal Testing Machine (Instron, United Kingdom) Strain Controlled Fatigue test (0.1Hz to 0.5 Hz)	Per sample	Rs. 500 per sample for up to 1K cycles • Rs. 1000 per sample for up to 5 K cycles • Rs.3000 per sample for up to 50K cycles • Rs. 10000 per sample for up to 1 Lakh cycles +Service tax ₹	Rs. 1000 per sample for up to 1K cycles • Rs. 2000 per sample for up to 5 K cycles • Rs. 6000 per sample for up to 50K cycles • Rs. 20000 per sample for up to 1 Lakhcycles + Service tax ₹
4	Universal Testing Machine (Instron, United Kingdom) J1C/K1C (Pre-cracking + testing)	Per sample	Rs. 800 + Rs. 200 + Service tax ₹	Rs. 5000 + Rs. 1000 + Service tax ₹
5	Microhardness testing of metallic samples	Per hour	Rs. 750 + Service tax	Rs. 1000 + Service tax
6	Polishing of metallic samples	Per hour	Rs. 500 + Service tax	Rs. 1000 + Service tax
7	Trinocular Inverted Metallurgical Microscope (Zoom up to 1000X (Price without sample preparation)	Per hour	Rs. 500 per sample or Rs. 500 per hour, which is higher + Service tax	Rs. 1000 per sample or Rs. 1000 per hour, which is higher + Service tax
8	Trinocular Stereo Zoom Microscope (Zoom up to 100X) (Price without sample preparation)	Per hour	Rs. 500 per sample or Rs. 500 per hour, which is higher + Service tax	Rs. 1000 per sample or Rs. 1000 per hour, which is higher + Service tax
9	Rockwell cum Brinell Hardness Testing Machine (Rockwell/Brinell)	Per hour	Rs. 750 per sample or Rs. 750 per hour, which is higher + Service tax	Rs. 1000 per sample or Rs. 1000 per hour, which is higher + Service tax

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10	Analog Charpy and Izod Impact Testing	Per hour	Rs. 500 per sample or Rs. 500 per hour, which is higher + Service tax ₹	Rs. 1000 per sample or Rs. 1000 per hour, which is higher + Service tax ₹
11	Ball Mill	Per hour	Rs. 500 per hour, + Service tax	Rs. 1000 per hour + Service tax
12	High temperature Furnace (Up to 1800°C)	Per hour	Rs. 800 per hour + Service tax ₹	Rs. 1000 per hour + Service tax ₹

CENTRE FOR ADVANCED MANUFACTURING

S. No.	Analysis Modes/Testing	Time slots	National academic/R&D institutions	Industry
1.	Flashforge Creator 3 Pro Twin extrusion 3D Printing	Per hour	Rs. 100 per hour + Service tax ₹	Rs. 200 per hour + Service tax ₹
2.	LMW VMC CNC	Per hour	Rs. 400 per hour + Service tax ₹	Rs. 500 per hour + Service tax ₹
3.	Surface roughness tester	Per hour	Rs. 300 per hour (Excluding Battery) + Service tax ₹	Rs. 400 per hour (Excluding Battery) + Service tax ₹
4.	Dynamometer (Cutting force measurement)	Per hour	Rs. 300 per hour + Service tax ₹	Rs. 400 per hour + Service tax ₹

COMPUTER AIDED ENGINEERING SIMULATION

S. No.	Analysis Modes/Testing	Time slots	National academic/R&D institutions	Industry
1.	Workstation (Software based Simulation and Analysis) RAM: 128GB Processor: Intel® Xenon(R) Gold 6142 @2.60 GHZ Graphics Card NVIDIA RTX A4000 (16GB)	Per hour	Rs. 100 per hour + Service tax ₹	Rs. 200 per hour + Service tax ₹



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CENTRE FOR ADVANCED WELDING				
S. No.	Analysis Modes/Testing	Time slots	National academic/R&D institutions	Industry
1.	Robotic Twin Wire TIG Welding for research purpose	Per hour	Rs. 500 per hour + Service tax ₹	Rs. 1000 per hour + Service tax ₹
2.	Flexible Metal Additive Manufacturing	Per hour	Rs. 500 per hour + Service tax ₹	Rs. 1000 per hour + Service tax ₹