

Funding for Research



॥ सा विद्या या विमुक्तये ॥
भारतीय प्रौद्योगिकी संस्थान धारवाड
Indian Institute of Technology Dharwad



VGST





Research Profile of Mechanical Engg.

Number of Guides		5
Number of Research Scholars		6
Number of Book Chapter/Books/ Conferences Proceedings Publications	Current AY	01
	Cumulative	56
Number of Journal Publications	Current AY	8
	Cumulative	91
Number of Funded Projects	Current AY	3
	Cumulative	19
Number of Patents (Filed/Published/Granted)	Current AY	4
	Cumulative	15



Mechanical Engg.: Research Lab

Carpet Area (Sq.m)	Major Equipments	Investment (In Lakhs)
70	Advanced metallurgical Microscope, Micro Hardness Tester, Advanced double (12") disc polishing machine, Advanced MIG welding machine(Funded by KCTU 26 Lakh + KLS VDIT 19 Lakh)	45
70	Vibration monitoring and Thermography (Funded by VGST)	20





Mechanical Engg.: Research Lab

Sl. No.	Name of the Lab	Equipment in the LAB
1	Thermal Research Lab	Thermal imager, Fluke Ti-400
		Air Screw Compressor
		Regulated DC Power Supply
		Laser displacement sensor
2	Welding Research Lab	Advanced Metallurgical Microscope
		Micro Hardness Tester
		Advanced double (12") disc polishing machine
		Advanced MIG welding machine;
3	Production & Design Research Lab	Ansys 18 (25)
		CATIA V-6, V6 Academia R2013X (30)
		CNC Turning Centre
4	Vibration Monitoring and Thermography Lab.	FFT Analyzer (Funded by VGST 20 Lakhs)
5	3d Printing Laboratory	FDM 3d Printing Machine



Mechanical Engg.: Welding Research Lab

(Funded by KCTU, Bengaluru)

SL. No	Title	In collaboration with
1	Study and analysis of a Circular MIG weld joint in fabrication of Center Boss Excavator Arm (IS2062E250 MS Plate)	TATA Hitachi Construction Machinery Co. Pvt. Ltd Belur Industrial Area Dharwad
2	Characteristics of thin surface layers of cobalt-based alloys on C-Steel deposited by MIG welding process	WEIR BDK Hubli
3	Study and analysis of a Hot cracks in MIG welding of C-Steel	MICROFINISH VALVES PVT. LTD Hubli
4	Process optimization of Friction Welding to improve mechanical properties of high strength Aluminum alloys	V-Tech Hydraulics Hubli
5	A study on Metal Inert Gas (MIG) welded T-joint of dissimilar AA2xxx and AA7xxx series Aluminium alloys	V-Tech Hydraulics Hubli



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Inaugurated by

Shri R. V. Deshpande

Member of the Legislative Assembly
Haliyal

Shri P. S. Sawkar

President
Karnatak Law Society (KLS)

Dr. Vidyashankar. S

Hon'ble Vice-Chancellor
VTU, Belagavi

Shri Karre Rangaswamy

Head -Training, Customer Experience
& New Product Readiness, Royal Enfield

Shri A. K. Tagare

Chairman
Karnatak Law Society (KLS)

Shri Prashant Kulkarni

Chairman, GC
KLS Vdit Haliyal

19th January 2026

KLS VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY

Haliyal, Uttara Kannada -581329



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(Automobile Technology)**