

DEPARTMENT OF MECHANICAL ENGINEERING

STAFF PROFILE INFORMATION

	Name of Staff:-	Dr. Katkar Ajit Ashok
	Designation: -	Associate Professor
	Qualification:-	B.E.(Mechanical), M. Tech.(Energy Technology), Ph.D.(Mechanical Engineering)
	Area of Specialization:-	Composite material ,Renewable Energy, Manufacturing Engineering
	Experience:	15 Years Teaching 05 Years Industrial
	email id:-	ajit.katkar@seti.edu.in
	Contact Number:-	9158893049

➤ RESEARCH PUBLICATIONS:

RESEARCH CITATIONS

Google Scholar Citations: 55, H-Index:2, i-10 index: 1

PUBLICATION SUMMARY

Patent Filed	International Journals	National Journals	International Conferences	National Conferences	Book Chapters	Editor Conf. Proceedings	Total
01	13		03	04	-	-	21

PATENTS

Title: AI Based Smart Meter For Municipal Waste Water Treatment By Electrochemical Technique And Quality Monitoring Using IoT

PATENT INFORMATION

Application ID	353912-001
Invention Field	Mechanical Engineering
Date of Application	23/12/2022
Publication Number	121603
Type	Published
Role	Role Applicant

RESEARCH PUBLICATIONS: INTERNATIONAL JOURNAL

Sr. No	TITLE	JOURNAL	VOLUME	ISSN
1.	Performance Evaluation of Solar Cell w.r.t. Temperature & Humidity	IJRMET		ISSN : 2249 - 5762
2	Evaluation of Industrial solar Cell w.r.t. Temperature	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE		
3	FSI approach study & analysis	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE		
4	Smart Driverless Car for Movement Across College Campus	IJAERD		ISSN(O):2348-4470
5	Tribological Behavior of Al6061-Granite Composites	International Journal of Scientific and Technology Research		E-ISSN: 2277-8616
6	Design and analysis of belt conveyor for weight reduction in foundry	International Research Journal of Engineering and Technology		
7	Analysis of Effect of Si C Reinforcement on Microstructure and Hardness of Al 6061 and Al 7075	International journal of Innovative Technology and Exploring Engineering		

8	Improvement of Mechanical Properties of Aluminium 6061 based Metal Matrix Composite with Addition of Granite Particulate	International Journal of Innovative Technology and Exploring Engineering		ISSN: 2278-3075
9	Design and Study of a Three-Wheeled Transport Vehicle's Front Helical Coil Suspension Spring	International Research Journal of Engineering and Technology (IRJET)		
10	Design and Development exp. set up for Plasma coating for textile roller drum	International Journal of Science Technology & Engineering		
11	Design and Optimization of Hydraulic Cylinder	MuktShabd Journal		
12	Design analysis and Optimization of SUV chassis	International Journal of Science Technology & Engineering		
13	Optimization of machining parameters of Al6061/SiC MMCs using Taguchi approach	International Conference on Recent Developments in Mechanical Engineering – ICRDME 2022		

➤ **Research IDs:**

1	Google scholar ID	https://scholar.google.com/citations?hl=en&user=0FznH9oA AAAJ
2	Researcher ID	JHT-3856-2023
3	ORCID ID	https://orcid.org/0000-0001-6224-6864

➤ **Member of Professional Bodies:**

Life Member of ISTERegn. No. LM-77546

➤ **Details of Faculty Development Programs (Workshop/Conference/Training Program)**

S. No.	Title of Program	Organized by (Venue)	Year	Duration
1	One week STTP FEM Tool for non Linear analysis	ISTE –DrJIMCOE	Dec-09	1 week
2	Two –Week ISTE workshop on Thermodynamics in Mechanical Engineering	IIT BombayMHRD	Jun-11	2 week
3	Two –Week ISTE workshop on solar Photovoltaic: Fundamentals,Technologies and applications	IIT Bombay MHRD	Dec-11	2 week
4	Two –Week ISTE workshop on Engineering Thermodynamics	IIT Bombay MHRD	Dec-12	2 week
5	Recent Trends in renewable Energy Sources(RTRES-13)	ISTE-SRM-SETI	Jun-13	1 week
6	Two –Week ISTE workshop on engineering Mechanics	IIT Bombay MHRD	Dec-13	2 week
7	One week STTP on Recent Trends in Design, Failure Analysis and Maintenance of Bearings	ISTE- DrJIMCOE	Jun-15	1 week
8	short term course on "Manufacturing Practices and Industry 4.0 ", held during	TEQIP-3. Engg. College of Bikaner	8-12 June 2020	1 week
9	National level online one week faculty development program on " Introduction to outcome based education and enhancing quality of teaching learning process	G.W.C.E.T, POLYTECHNIC NAGPUR	15 to 19 june2020.	1 week
10.	One Week Online Faculty Development Programme on "Research Opportunities in Advanced Manufacturing Processes".	BharatiVidyapeeth (Deemed to be University), College of Engineering, Pune	22 to 28 June 2020	1 week

11	Short term training program on Renewable energy utilization	Sandip Institute of Engineering and Management,Nashik-422213	26th May – 30th May 2020	1 week
12	one week Faculty Development Programme on "Mechatronics, Automation, and Robotics"	, OP Jindal University, Raigarh.-IEEE	3-7 Augst 2020	1 week
13	One week online faculty development Program on "Advances in Manufacturing and Materials"	DYP kop -ISTE	20-24 April 2021	1 week
14	One week FDP on " Electrical and Electronoc System For Wind & Solar :	NITTTR, Chennai.	4-10Octo 2021	1 week
15	AICTE SPONSORED ONE WEEK ONLINE SHORT TERM TRAINING PROGRAMME (STTP) on "MACHINE LEARNING” APPLICATIONS IN MECHANICAL ENGINEERING” Under AICTE Quality Improvement Scheme (AQIS)	DRJMCOE AICTE	14-18 FEB 2022	1 week
16	One week Faculty Development Program on "A New Era of Manufacturing: Challenges & Opportunities"	DYP kop -ISTE	25-30 July 2022	1 week
17	One Week Faculty Development Program on "Materials & Advanced Manufacturing" held during organized	Yashoda Technical Campus, ISTE,	22 to 26 Aug 2022,	1 week
18	FDP on Hybrid Electric Vehicles	GMRIT, Rajam.- VRSEC, Vijayawada	21-25 Nov 2022	1 week
19	Professional Development Programme on “ Trends in 3D Printing & Manufacturing Techniques”	NOTTTR , Chennai, Ministry of Education , Government of India	30 Jan - 03 Feb	1 week
20	FDP on Outcome based Education	PPG Institute,Coimbatore	01-9 Feb 2023	1 week
21	One Week Faculty Development Program on "Renewable energy Sources for sustainable development”	Yashoda Technical Campus, ISTE,	20-24 Feb 2023	1 week
22	One Week Faculty Development Program on “Recent advancement in Heat Exchanger Technologies: Experimentation & Simulation”	OP Jindal University ,Raigarh	13-17 March 2023	1 week

23	Seven Days National Level Faculty Development Program “Inclusive Procedures and Processes for NAAC Assessment and Accreditation”	ACT Academy, Tamilnadu – NITI ayog	24-30 April 2023	1 week
24	NBA Accreditation and Teaching and Learning in Engineering (NATE)	NPTEL-SWAYAM	Jan –Apr 2023	12 Week
25	One Week National Level Faculty Development Programme on “for NAAC Assessment and Accreditation: Procedures and Processes	ACT Academy, Tamilnadu- A&R Conglomerate	11-17 Sept 2023	1 week
26	National level online FDP on “ Writing an Effective Research Article : Tips and Tricks”	KLS VEDIT ,Haliyal, Karanataka	03-07 October	1 week
27	One Week National Level Faculty Development Programme on “ Management Development and Academic Leadership”	ACT Academy, Tamilnadu	01-07 December	1 week
28	Recent Trends in Mechanical Engg. And Industry 4.0	ATS’s SBGI,Miraj,-ISTE	08-13 Jan 2024	1 week
29	Inspection and Quality Control in Manufacturing	NPTEL-SWAYAM	Jan- Feb2024	4 Week
30	Non-Conventional Energy Resources	NPTEL-SWAYAM	Jan –Apr	12 Week

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