



Malnad College of Engineering, Hassan

(An Autonomous Institute, Affiliated to V.T.U, Belagavi)

Faculty Biodata

GENERAL INFORMATION AND ACADEMIC BACKGROUND

PART-A

1.	Name (in Block Letters)	Dr. ASHRITH H S
2.	Qualification	Ph. D
3.	Date of joining the service at MCE	21-08-2019
4.	Department	Mechanical Engineering
5.	Current Designation & Experience in MCE	Assistant Professor & 7 Years 1 Months
6.	Teaching Experience: P.G. (in Years) : U.G. (in Years) :	----- 11.5 Years
Research Experience (in Years)		
7.	a) Total Number of years b) Years spent in M. Phil. / Ph.D. c) Years of Guiding Ph.D. / M. Phil. d) Total No. of papers Published in i. International Journals ii. National Journals iii. Conference Proceedings e) Total No. of Conferences/Seminar/Workshop Attended i. International ii. National iii. State Level	10.5 Years 3.5 Years ----- 16 --- 02 --- 13 --- ---
8.	Awards /Prizes/ Honor's / Recognitions	02
9.	Fields of Specialization under the Subject / Discipline	Machining of composites (Syntactic Foams)
10.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	03

PART-B

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	A novel composite connecting rod: study on mechanical and dynamic behaviour through experimental and finite element approach (https://doi.org/10.1016/j.jcomc.2023.100413)	Composites Part C: Open Access, Volume 12, October 2023	-----
2.	3D Printing of Crystalline Polymers. Polymer Crystallization: Methods, Characterization and Applications (https://doi.org/10.1002/9783527839247.ch9)	Wiley Publications 2023	9783527839247
3.	A Review on the Fabrication and Mechanical Characterization of Fibrous Composites for Engineering Applications. https://doi.org/10.3390/jcs7060252	Journal of Composites Science, 7(6), 252. 2023	-----
4.	Effect of wood filler on the mechanical and thermal behavior of polypropylene/short glass/short carbon fiber-reinforced hybrid composites. https://doi.org/10.1007/s40430-022-03573-0	Journal of the Brazilian Society of Mechanical Sciences and Engineering, 44(7), 1-19. 2022	-----
5.	Containers with Lubricating Agents for Friction and Wear. In Micro-and Nano-containers for Smart Applications https://doi.org/10.1007/978-981-16-8146-2_11	(pp. 243-263). Springer, Singapore. 2022	978-981-16-8146-2
6.	Point angle effect on drilling of closed cell foams. https://doi.org/10.1016/j.jcomc.2021.100179	Composites Part C: Open Access Volume 6, October 2021	-----
7.	Machinability of AA6061 aluminium alloy and AISI 304L stainless steel using nonedible vegetable oils applied as minimum quantity lubrication. https://doi.org/10.1007/s40430-021-02885-x	Journal of the Brazilian Society of Mechanical Sciences and Engineering. 43, 159 2021	-----
8.	Machinability studies on boron carbide and graphite reinforced aluminium hybrid composites. https://doi.org/10.1016/j.matpr.2021.04.036	Materials Today: Proceedings, 46 (17), 8734-8741; 2021	-----
9.	Experimental investigation on the machinability characteristics in drilling of syntactic foams. https://doi.org/10.1088/1757-899X/1189/1/012022 .	In IOP Conference Series. Materials Science and Engineering, 1189(1); 2021	-----
10.	Effect of wall thickness and cutting parameters on drilling of glass microballoon/epoxy syntactic foam composites. https://doi.org/10.1016/j.compstruct.2018.12.022	Composite Structures; Volume 211, Pages 318-336 1 March 2019	-----
11.	Hole Quality Assessment in Drilling of Glass Microballoon/Epoxy Syntactic Foams. https://doi.org/10.1007/s11837-018-2925-x	JOM, 70(7), 1289-1294; 2018	-----
12.	Influence of materials and machining parameters on drilling performance of syntactic foams. https://doi.org/10.1520/MPC20170166	Materials Performance and	-----

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
		Characterization, 7(1), 495-514; 2018	
13.	Experimental investigations on hole quality in drilling of cenosphere reinforced epoxy composite. https://doi.org/10.1088/1757-899X/561/1/012039	In IOP Conference Series: Materials Science and Engineering, 561(1), 012039;	-----
14.	Evaluation of circularity error in drilling of syntactic foam composites. https://doi.org/10.1063/1.5029641	In American Institute of Physics Conference Series, 1943(2), 20065;	-----

2. **Responsibilities in the Department and Institute / University:** (DAC,DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre Chairperson, IQAC Coordinator etc.)

Sl. No	Responsibilities
1.	Member - BOS
2.	Member - BOE
3.	Member – DAC (UG)
4.	Member – R&D and Consultancy
5.	Member – Anti ragging Committee
6.	Faculty Advisor & Mentor
7.	CIE Coordinator
8.	Lab in charge – Foundry & Forging Laboratory

3. **Details of Teaching Related Activities**

Sl. No.	Academic Year	(B. E/M.Tech)	Course Title
1.	2019-20, 2020-21 2021-22	BE	Kinematics of Machines
2.	2019-20		Dynamics of Machines
3.	2019-20, 2020-21 2021-22, 2022-23		CAED
4.	2019-20, 2020-21 2021-22, 2022-23		EME
5.	2020-21, 2021-22 2022-23,		Additive Manufacturing
6.	2021-22, 2023-24		Manufacturing Science-II
7.	2022-23		Manufacturing Science-I
8.	2022-23, 2023-24		Principles of Manufacturing

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Published Papers in Journals

Sl. No.	Title	Journal with Vol. Year & Page No.	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
1.	A novel composite connecting rod: study on mechanical and dynamic behaviour through experimental and finite element approach (https://doi.org/10.1016/j.jcomc.2023.100413)	Composites Part C: Open Access, Volume 12, October 2023	-----	YES	08	Co Author
2.	3D Printing of Crystalline Polymers. Polymer Crystallization: Methods, Characterization and Applications (https://doi.org/10.1002/9783527839247.ch9)	Wiley Publications 2023	9783527839247	YES	02	Main Author
3.	A Review on the Fabrication and Mechanical Characterization of Fibrous Composites for Engineering Applications. https://doi.org/10.3390/jcs7060252	Journal of Composites Science, 7(6), 252. 2023	-----	YES Impact Factor: 3.3	02	Main Author
4.	Effect of wood filler on the mechanical and thermal behavior of polypropylene/short glass/short carbon fiber-reinforced hybrid composites. https://doi.org/10.1007/s40430-022-03573-0	Journal of the Brazilian Society of Mechanical Sciences and Engineering, 44(7), 1-19. 2022	-----	YES Impact Factor: 2.2	03	Main Author
5.	Containers with Lubricating Agents for Friction and Wear. In Micro-and Nano-containers for Smart Applications https://doi.org/10.1007/978-981-16-8146-2_11	(pp. 243-263). Springer, Singapore. 2022	978-981-16-8146-2	YES	03	Main Author
6.	Point angle effect on drilling of closed cell foams. https://doi.org/10.1016/j.jcomc.2021.100179	Composites Part C: Open Access, Volume 6, October 2021	-----	YES	01	Main Author
7.	Machinability of AA6061 aluminium alloy and AISI 304L stainless steel using nonedible vegetable oils applied as minimum quantity lubrication. https://doi.org/10.1007/s40430-021-02885-x	Journal of the Brazilian Society of Mechanical	-----	YES Impact Factor: 2.2	05	Co Author

Sl. No.	Title	Journal with Vol. Year & Page No.	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
		Sciences and Engineering. 43, 159 2021				
8.	Machinability studies on boron carbide and graphite reinforced aluminium hybrid composites. https://doi.org/10.1016/j.matpr.2021.04.036	Materials Today: Proceedings, 46 (17), 8734-8741; 2021	-----	YES	05	Co Author
9.	Experimental investigation on the machinability characteristics in drilling of syntactic foams. https://doi.org/10.1088/1757-899X/1189/1/012022 .	In IOP Conference Series. Materials Science and Engineering, 1189(1); 2021	-----	YES	02	Main Author
10.	Effect of wall thickness and cutting parameters on drilling of glass microballoon/epoxy syntactic foam composites. https://doi.org/10.1016/j.compstruct.2018.12.022	Composite Structures; Volume 211, Pages 318-336 1 March 2019	-----	YES Impact Factor: 6.603	02	Main Author
11.	Hole Quality Assessment in Drilling of Glass Microballoon/Epoxy Syntactic Foams. https://doi.org/10.1007/s11837-018-2925-x	JOM, 70(7), 1289-1294; 2018	-----	YES Impact Factor: 2.597	03	Main Author
12.	Influence of materials and machining parameters on drilling performance of syntactic foams. https://doi.org/10.1520/MPC20170166	Materials Performance and Characterization, 7(1), 495-514; 2018	-----	YES	03	Main Author
13.	Experimental investigations on hole quality in drilling of cenosphere reinforced epoxy composite. https://doi.org/10.1088/1757-899X/561/1/012039	In IOP Conference Series: Materials Science and Engineering, 561(1), 012039;	-----	YES	04	Co Author

Sl. No.	Title	Journal with Vol. Year & Page No.	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
14.	Evaluation of circularity error in drilling of syntactic foam composites. https://doi.org/10.1063/1.5029641	In American Institute of Physics Conference Series, 1943(2), 20065;	-----	YES	02	Main Author

2. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes

Sl. No.	Name of Course/Summer/Winter School	Duration	Organized By
1.	Programming in PYTHON	10 th December 2022	MCE, Hassan
2.	Orientation Program for Translators and Reviewers on Technical Book Writing in Regional Language Kannada	15 th December 2022	VTU, Muddenahalli
3.	Refresher course on Advanced Pedagogy	24 th January to 4 th February, 2022	National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata
4.	Developments in Advanced Materials Processing Techniques and Characterization	21 st to 25 th February 2022.	Presidency University, Bengaluru
5.	Emerging Technologies	08 th to 12 th March 2022.	Dr. B.C. Roy Engineering College Durgapur, West Bengal
6.	Design Thinking	07 th to 12 th March 2022.	VTU Mysore
7.	Teaching Learning & Assessment Process as per OBE in Higher Education Institutions in Line with NEP-2020	02 nd to 3 rd September 2022.	Sahyadri College of Engineering & Management
8.	Outcome Based Education	19 th to 23 rd September 2022.	MCE Hassan
9.	GD&T	28 th to 29 th September 2022	MCE Hassan

3. Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No.	Title	Title of Conference/Seminar etc.	Dates of the Event	Organized by	Whether International/National/State/Regional/University/College Level
1.	Evaluation of Mechanical Properties on Hybridised Coir-Carbon-Basalt Reinforced Epoxy Composites	International Conference on Recent Developments in Mechanical Engineering [ICRDME 2023]	3 rd and 4 th March 2023	Siddaganga Institute of Technology Tumakuru – 572 103	International Conference