

**Faculty Biodata****GENERAL INFORMATION AND ACADEMIC BACKGROUND****PART-A**

1.	Name(inBlockLetters)	HAREESHA M.
2.	Qualification	B.E., M.Tech.(HEAT POWER ENGINEERING)
3.	Date of joining the service at MCE	28-08-2011
4.	Department	Mechanical Engineering
5.	Current Designation & Experience in MCE	Assistant Professor, 12 Years
6.	Teaching Experience: P.G. (in Years) : U.G. (in Years) :	21 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	08 Years 06 Years Nil 03 02 03 03 01 01 -
8.	Awards /Prizes/ Honor's / Recognitions	-Nil-
9.	Fields of Specialization under the Subject / Discipline	Thermal Engineering, Composite Materials
10.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	Total 29 Programmes are attended

PART-B

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Development on graphene based polymer composite materials and their applications—A recent review	AIP Conference Proceedings, 2021	0094243X, 15517616
2.	Effect of B4C/Gr on Hardness and Wear Behavior of Al2618 Based Hybrid Composites through Taguchi and Artificial Neural Network Analysis	Catalysts, 2022	20734344
3.	A novel study on the development of sisal-jute fiber epoxy filler-based composites for brake pad application	Biomass Conversion and Biorefinery, 2023	21906815, 21906823
4.	Production of biodiesel and evaluation of performance and emission characteristics of Masterwood seed	International Journal of advanced research in engineering and technology	09766499, 09766480
5.	Modification of Abrasive Wear Testing Machine and Testing of Materials	International Journal of Science and Research	22076360, 20054238

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.	Department level- CIE Coordinator
2.	Department level- NIRF Coordinator
3.	Department level- LAB Coordinator
4.	Department level- Faculty advisor
5.	Member-BOS
6.	Member-BOE
7.	Member-Anti ragging committee
8.	NAAC-AQAR Preparation
9.	NBA-AQAR preparation

3. Details of Teaching Related Activities

Sl. No.	Academic Year	(B. E/M.Tech)	Course Title	Activities conducted
1	2022-23.	B.E	Engineering Thermodynamics	Industrial visit, Problem solving using Python programming, Quizzes
2	2022-23	B.E	Heat Transfer	Gate Exam Numerical Problem solving, Quizzes

3	2022-23	B.E	Fluid mechanics and Fluid Machinery	Industrial visit, Quizzes
4	2022-23	B.E	Introduction to Mechanical Engineering	Industrial visit, Poster presentation
5	2021-22	B.E	Basic Thermodynamics	Gate Exam Numerical Problem solving, Quizzes
6	2021-22	B.E	Elements of Mechanical Engineering	Numerical Problem solving, Quizzes
7	2021-22	B.E	Applied Thermodynamics	Gate Exam Numerical Problem solving, Quizzes
8	2021-22	B.E	Fluid mechanics and Fluid Machinery	Gate Exam Numerical Problem solving, Quizzes
9	2020-21	B.E	Basic Thermodynamics	Gate Exam Numerical Problem solving, Quizzes
10	2020-21	B.E	Elements of Mechanical Engineering	Numerical Problem solving, Quizzes
11	2020-21	B.E	Fluid mechanics and Fluid Machinery	Gate Exam Numerical Problem solving, Quizzes
12	2020-21	B.E	Elements of Mechanical Engineering	Numerical Problem solving, Quizzes

PART-C

Professional Development Activities		
	Membership in profession related committees at state and national level a) At International b) At national level: c) At state :	01
	Participation in subject associations, conferences, seminars without paper presentation	02
	Participation in short term training courses less than one week duration in educational technology, curriculum development, professional development, Examination reforms, Institutional governance	01
	Membership/participation in State/Central Bodies/Committees on Education, Research and National Development	-
	Publication of articles in newspapers, magazines, or other publications (not covered in category 3); radio talks; television programmes	-
	Invited Expert Talks	-

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	Effect of B4C/Gr on Hardness and Wear Behavior of Al2618 Based Hybrid Composites through Taguchi and Artificial Neural Network Analysis	Catalysts,2022	20734344	Yes	5	Co-author

2	A novel study on the development of sisal-jute fiber epoxy filler-based composites for brake pad application	Biomass Conversion and Biorefinery, 2023	21906815, 21906823	Yes	5	main author
3	Production of biodiesel and evaluation of performance and emission characteristics of Masterwood seed	International Journal of advanced research in engineering and technology	09766499, 09766480	Yes	1	Co-author
4	Modification of Abrasive Wear Testing Machine and Testing of Materials	International Journal of Science and Research	22076360, 20054238	Yes	1	main author

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

Sl. No.	Name of Course/Summer/Winter School	Duration	Organized By
1.	Energy prospectus and options	6th may 2004	MSRIT, Bangalore
2.	Renewable energy education and research	16th and 17th August 2004	East point of Engineering and Technology, Bangalore
3.	Mechatronics (Emerging trends and its applications)	2 nd April 2005	SaIT, Bangalore
4.	Computational fluid dynamics	13 th and 14 th January 2006	SSIT, Tumkur
5.	Occupational health, safety, environment and Fire protection	18 th and 19 th September 2007	Bosch company, Bangalore

6.	Instructional design and delivery systems	One week, 16 th to 21 st February 2009	BMSCE, Bangalore
7.	Student –Teacher relationship in the changing world	8 th and 9 th February 2010	BMSCE, Bangalore
8.	Recent advances in thermal engineering an its applications	One week, 20 th to 24 th May 2013	MCE, Hassan
9.	Strategies for environmentally conscious product design and manufacturing	Two week, 2 nd to 15 th June 2013	PSG College of technology, Coimbatore
10.	Optimization of Mathematical Models and Their applications	One week, 1 st to 6 th July 2013	MSRIT, Bangalore
11.	Real world DSP	Two week, 15 th to 27 th July 2013	CIT, Gubbi
12.	MEMS and Nano Technology	One week, 19 th to 24 th August 2013	BMSCE, Bangalore
13.	Yogasana - Pranayama camp	One week, 4 th to 8 th March 2013	MCE, Hassan
14.	Deriving PEO/PO/CO/Assesment report	11 th to 13 th July 2013	MCE, Hassan
15.	Hydraulic ,Pneumatic systems in industrial automation	27 th to 29 th January 2014	MCE, Hassan
16.	Theoretical , Computational and Applied Mechanics	One week, 16 th to 20 th June 2014	BMSCE, Bangalore
17.	Research Methodologies in Fluid Mechanics and Fluid power	10 th to 12 th July 2014	NITK, Surathkal
18.	Computational Fluid Dynamics	Two weeks, 23 rd June to 5 th July 2014	BMSCE, Bangalore
19.	Analytical and Numerical Techniques in Applied Mathematics and Engineering	One week, 28 th July to 2 nd August 2014	MCE, Hassan

20.	Solid works 2014	5 th to 8 th February 2014	MCE, Hassan
21.	Essential skills for Mechanical Engineers	One week, 1 st to 5 th September 2014	MCE, Hassan
22.	Advances in Bio lubricants and cutting fluids	One week, 8 th to 12 th December 2014	MCE, Hassan
23.	Formulation, Modelling and practical applications of Operation Research	Two weeks , 25 th May to 6 th June 2015	MCE, Hassan
24.	Emerging Trends in Materials and Manufacturing Technology	One week, 27 th February to 3 rd March 2017	MCE, Hassan
25.	Research Methodology and Intellectual Property Rights	23 rd to 25 th March 2017	MCE, Hassan
26.	Advanced Materials Characterization Techniques	13 th to 15 th March 2017	CMTI, Bangalore
27.	Recent Trends in Solar Energy Applications	27 th to 28 th March 2017	MCE, Hassan
28.	Challenges in Non Conventional Energy Sources	One week, 9 th to 13 th April 2018	MCE, Hassan
29.	Total Quality Management	One week, 28 th May to 1 st June	MCE, Hassan
30.	Advanced Mathematical Tools in Engineering applications	One week, 2 nd to 6 th July 2018	MCE, Hassan
31.	Recent developments in Solar and Wind Energy system for on/off Grid applications	One week, 9 th to 13 th July 2018	MCE, Hassan
32.	Essentials for Academic Research	20 th July 2018	MCE, Hassan
33.	Research Opportunities and challenges in	17 th to 22 nd December	MCE, Hassan

	advanced Materials and Manufacturing	2018	
34.	Recent developments in Renewable Energy Sources and Conversion systems for on/off Grid applications	One week, 9 th to 14 th December 2019	MCE, Hassan
35.	Compact Heat Exchangers for Aerospace applications	2 nd to 3 rd January 2020	Dayananda sagar university, Bangalore
36.	Light weight structures for engineering applications through composites and Topology optimization	27 th January to 7 th February 2020	GEC, Hassan
37.	Creating Smart and Green Society through Advance Technology of Green Energy- Phase 1	One week, 10 th to 15 th December 2020	MCE, Hassan
38.	Creating Smart and Green Society through Advance Technology of Green Energy- Phase 2	One week, 17 th to 22 nd December 2020	MCE, Hassan
39.	Online Awareness Workshop on NIRF INDIA Rankings-2021 for Higher Educational Institutions	18 th to 19 th January 2021	Institute for Academic Excellence, Hyderabad
40.	Recent advances in Composite Materials for Engineering applications	One week, 8 th to 12 th March 2021	BMSCE, Bangalore
41.	Research and Innovation	One week, 17 th to 21 st August 2020	VVCE, Mysuru
42.	Research and Publication Ethics	5 th to 6 th August 2020	Dayananda sagar university, Bangalore
43.	Industrial Training	28 th February to 12 th March 2022	RTTC, BSNL, Mysuru
44.	Current Trends in Manufacturing	One week, 13 th to 17 th June 2022	SJMIT, Chitradurga
45.	Advanced Tools and Techniques for Best research	One week, 26 th to 30 th	RVIT&M, Bangalore

		September 2022	
46.	Application of Geo informatics and Remote Sensing in Engineering and Technology	One week, 19 th to 23 rd September 2022	BRIGCE, Solapur
47.	Recent Trends in Composites	One week, 2 nd to 6 th January 2023	Alliance University, Bangalore
48.	Smart Structures and Aeroelasticity	One week, 9 th to 13 th January 2023	Dayananda sagar university, Bangalore

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/Univers Level
1	Development on graphene based polymer composite materials and their applications— A recent review	International Conference on Advanced Trends in Mechanical Engineering & Aerospace engineering (ATMA-2019)	07-09 November 2019	Dept. of Mechanical & Aerospace Engg. ,Dayanand Sagar University, Bengaluru	Inter National
2	Development on Natural fibre reinforced polymer composite materials and their applications— A recent review	Presented paper at second International Conference on Advanced Trends in Mechanical Engineering & Automation Science (ATMA-2023)	24-26 March 2023	Dept. of Mechanical Engg. ,Dayanand Sagar University, Bengaluru	Inter National
3	Effect of addition of micro seashell powder on mechanical properties of Basalt fiber reinforced polymer matrix Composites	Presented paper at second International Conference on Advanced Trends in Mechanical Engineering & Automation Science (ATMA-2023)	24-26 March 2023	Dept. of Mechanical Engg. ,Dayanand Sagar University, Bengaluru	Inter National

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