



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(inBlockLetters)	Dr. HEMANTH T S
2.	Qualification	Ph.D.
3.	Date of joining the service at MCE	18/08/2018
4.	Department	Mechanical
5.	CurrentDesignation&Experience in MCE	Assistant Professor, 08 Years
6.	Teaching Experience: P.G. (in Years) : U.G. (in Years) :	U.G – 08 Years
Research Experience (in Years)		
7.	a) Total Number of years	08 Years
	b) Years spent in M. Phil. / Ph.D.	07 Years
	c) Total No. of papers Published in	
	i. International Journals	07
	ii. Conference Proceedings	04
	Total No. ofConferences/Seminar/Workshop Attended	
	i. International	04
8.	Fields of Specialization under the Subject / Discipline	Data Science, Simulation, Metal Forming, Manufacturing
9.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	15

PART-B

1. List of Publications:

Sl. No	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Dynamic job sequencing of converging-diverging conveyor system for manufacturing optimization	Materials Today: Proceedings 52 (3), 1901-1908, 2022	https://doi.org/10.1016/j.matpr.2021.11.523
2.	Effect of Dynamic job Sequencing in a Diverging Converging Conveyor System & Buffer Optimization Using Genetic Algorithm	Turkish Journal of Computer and Mathematics Education 12 (11), 5769-5773, 2021	2639756305
3.	Study the Effect of Different Roller Shape on the Spread of Material in Rolling Operation Using Manufacturing Simulation	Applied Mechanics and Materials 895, 290-294, 2019	https://doi.org/10.4028/www.scientific.net/AMM.895.290
4.	Optimize the Rolling Process Parameters for Material AA1100 using Metal Forming Simulation	MATEC Web of Conferences 144, 03005, 2018	https://doi.org/10.1051/mateconf/201814403005
5.	Assessing The Influence Of Rolling Parameters On The Spread Of Hot Rolled Aluminum Alloy Slab Using Manufacturing Simulation	International Journal Of Engineering Sciences & Management, , 2017	ISSN 2277 – 5528
6.	Design and Manufacturing Simulation of Preform for Thread Rolling Operation	Journal of Modern Engineering Research 5 (10), 6, 2015	ISSN: 2249–6645
7.	Manufacturing Simulation for determining the influence of process parameters on quality of forgings	International Journal of Engineering Research & Technology (IJERT), 147-151, 2015	ISSN: 2289–4649

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.	<u>MIS Coordinator TEQIP – III</u>
2.	BOS Member
3.	BOE Member
4.	Contineo Coordinator
5.	Innovation club, ME-RIISE department coordinator
6.	Students feedback and result analysis coordinator

3. Details of TeachingRelated Activities

Sl. No.	Academic Year	(B. E/M.Tech)	Course Title
1.	2023-24	B.E	Introduction to Python Program
2.	2023-24	B.E.	Industrial Engineering and Ergonomics
3	2022-23	B.E.	Lean Manufacturing

Professional Development Activities		
1.	Participation in short term training courses less than one week duration in educational technology, curriculum development, professional development, Examination reforms, Institutional governance	15

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Published Papers in Journals

Sl. No.	Title	Journal with Vol. Year & Page No.	Doi/ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
1	Dynamic job sequencing of converging-diverging conveyor system for manufacturing optimization	Materials Today: Proceedings 52 (3), 1901-1908, 2022	https://doi.org/10.1016/j.matpr.2021.11.523	Yes	04	NO
2	Effect of Dynamic job Sequencing in a Diverging Converging Conveyor System & Buffer Optimization Using Genetic Algorithm	Turkish Journal of Computer and Mathematics Education 12 (11), 5769-5773, 2021	2639756305	Yes	03	NO
3	Study the Effect of Different Roller Shape on the Spread of Material in Rolling Operation Using Manufacturing Simulation	Applied Mechanics and Materials 895, 290-294, 2019	https://doi.org/10.4028/www.scientific.net/AMM.895.290	Yes	03	YES
4	Optimize the Rolling Process Parameters for	MATEC Web of Conferences 144,	https://doi.org/10.1051/mateconf/20181	Yes	03	YES

	Material AA1100 using Metal Forming Simulation	03005, 2018	4403005			
5	Assessing The Influence Of Rolling Parameters On The Spread Of Hot Rolled Aluminum Alloy Slab Using Manufacturing Simulation	International Journal Of Engineering Sciences & Management, , 2017	ISSN 2277 – 5528	Yes	03	YES
6	Design and Manufacturing Simulation of Preform for Thread Rolling Operation	Journal of Modern Engineering Research 5 (10), 6, 2015	ISSN: 2249–6645	Yes	03	YES
7	Manufacturing Simulation for determining the influence of process parameters on quality of forgings	International Journal of Engineering Research & Technology (IJERT), 147-151, 2015	ISSN: 2289–4649	Yes	04	YES

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

Sl. No	Name of Course/Summer/Winter School	Place	Duration	Sponsoring Agency
1.	Formulation, Modeling and Practical Applications of Operations Research (FMPAOR-2015)	MCE, Hassan	2 weeks During 25th May 2013 – 6th June 2015	AICTE
2.	One Week FDP on “Analytical and Numerical Techniques in Applied Mathematics and Engineering”	MCE, Hassan	28th July to 02nd August 2014	TEQIP - II
3.	One Week FDP on “Advances in Bio-lubricants and Cutting Fluids”	MCE, Hassan	08th to 12th December 2014	TEQIP - II
4.	One Week FDP on “Emerging Trends in Materials and Manufacturing Technology”	MCE, Hassan	27th February to 03rd March 2017	TEQIP - II
5.	Three days workshop on “Innovative Teaching Methodologies”, Organised by IIT Bombay,	M C E , Hassan	10th to 12th March, 2017.	TEQIP - II

6.	One week exclusive FDP on Geometric dimensioning and Tolerancing	CMTI, Bangalore	20th March to 24th March, 2017	TEQIP - II
7.	Three days workshop on “Faculty Mentors on Induction Programme for New students”	Raipur in association with NPIU	4th to 6th September, 2017	TEQIP - II
8.	Two days workshop on “Finite Element Analysis”	M C E , Hassan	5th - 6th Jan, 2018	TEQIP - II
9.	One week FDP on “Advanced Manufacturing Processing Techniques”	MCE, Hassan	12th to 17th February 2018	TEQIP – II
10.	“Professional and Academic Quality in Engineering Courses(PAQ)”	MCE, Hassan	23rd April 23, 2018	TEQIP – II
11.	One Week FDP on “Challenges in Non-Conventional Energy Sources”	MCE, Hassan	9th to 13th April 2018	TEQIP – III
12.	One Week FDP on “Total Quality Management”	MCE, Hassan	28th May to 1st June 2018	TEQIP – III
13.	One Week FDP on “Recent Trends in Automotive Technology”	MCE, Hassan	25th June to 29th June 2018	TEQIP – III
14.	One day training program on TEQIP - III MIS	Mumbai, NPIU, Delhi.	27th June, 2018	TEQIP – III
15.	One Week FDP on “ Recent Development in Solar and Wind Energy system for on/off grid Application”	MCE, Hassan	9th July to 13th July, 2018	TEQIP - III
16.	One week FDP on “ Hands on Training program for Mechanical Engineering Faculty members on Thermo-Mechanical Simulator”	IIT, Roorkee	17th July to 20th July, 2018	TEQIP - III
17.	Outcomes Based Education	Heritage, Hassan	04-05, August, 2018	TEQIP - III
18.	.Being a Great Teacher	MCE, Hassan	3rd and 4th November 2018	TEQIP - III
19.	Three days workshop on “Metallography and Metallurgical Lab practice”	ASM International Bengaluru	7th and 8th December 2018.	TEQIP - III
20.	Three days workshop on “Technological advancements in Mechanical Engineering”	Anantapura in association with ISME	26th May to 28th May, 2020	Self
21.	“Design Thinking”	Vidyavardhaka College of Engineering, Mysuru	7 th to 12 th March, 2022	AICTE
22.	“3D Printing and Design”	ATAL	22 nd to 26 th November, 2021	AICTE, ATAL

23.	Design Thinking and Prototyping in AICTE IDEA LAB	MCE, Hassan	21th to 29 th October, 2022	AICTE
24.	POWER BI	Vidyavardhaka College of Engineering, Mysuru	30 th Jan to 03 rd Feb, 2023	ICT Academy
25.	“Salesforce Platform Developer 1”	MCE, Hassan	29 th May to 2 nd June, 2023	ICT Academy

Details of the participation (MOOC Course Attended)

Sl. No.	Title of training	Institution / Organization	Date from to
Mr.T.S. Hemanth			
1	Refresher Course on Teacher and Teaching in Higher Education, Annual Refresher Programme in Teaching (ARPIT)	Swayam	16 week course, completed in the month of February, 2020.
2	Open FOAM training organized by Sinhad Institute of Technology and Science, Pune with course material prepared by Spoken Tutorial	IIT Bombay	March, 2020.
3	How to learn online, from edX	Online	April, 2020.
4	Joy of Python Programming	NPTEL	Jan – April, 2023