



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	DR. LAXMANA NAIK L
2.	Qualification	B.E., M.Tech., Ph.D.
3.	Date of joining the service at MCE	01.08.1997
4.	Department	Mechanical Engineering
5.	Current Designation & Experience in MCE	Professor, 26 years
6.	Teaching Experience: P.G. (in Years) : U.G. (in Years) :	26 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	20 years 03 years 03 years 20 01 02 03 04 04
8.	Awards /Prizes/ Honor's / Recognitions	-
9.	Fields of Specialization under the Subject / Discipline	Materials and Manufacturing
10.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	24

PART-B

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	A novel study on development of sisal – jute fibre epoxy filler-based composites for brake pad application	Journal of Biomass conversion and Biorefinery, April -2023	ISSN - 2190-6815 DOI:10.1007/s13399-023-04219-4
2.	Impact of heat treatment on the mechanical performance of hot extruded Al6061-BN reinforced metal matrix composites.	Bulletin of the Polish Academy of Sciences: Technical Sciences, Vol. 69(3), June - 2021	DOI: 10.24425/bpasts.2021.137014
3.	Development on graphene-based polymer composite materials and their applications—A recent review.	AIP Conference Proceedings, Vol: 2316, Issue:01, Feb – 2021	doi.org/10.1063/5.0036854
4.	Synthesis and Characterization of Al 7072-Al ₂ O ₃ Metal Matrix Composites	Springer Lecture Notes in Mechanical Engineering, Aug-2020	DOI:10.1007/978-981-15-4745-4_16
5.	Manually Operated Coconut Dehusking Machine for Rural Agriculturist	Recent Trends in Automation and Automobile Engineering, Vol –3,(1), Apr – 2020	ISSN: 2278-3075
6.	Energy Management in Welding Intensive Industrial Cluster: Energy Saving opportunity	Journal of Emerging Technologies and Innovative Research, Vol –8, Issue- 5, Jan-2020	ISSN: 2277-3878
7.	Fracture Toughness of Sisal/Banana Hybrid Composite	International Journal of Mechanical Engineering Research and Development, Vol – 9, Issue- 6, Dec – 2019	ISSN: 2249-6939
8.	Mechanical Properties of Sisal/Banana Hybrid Composite Reinforced Polyester Composites	Journal of Emerging Technologies and Innovative Research, Vol –6 (6), May – 2019	ISSN: 2349-5162
9.	Energy management in agricultural implements and tractor trailer industry	Journal of Emerging Technologies and Innovative Research, Vol –6 (4), April – 2018	ISSN-2349-5162
10.	Fracture characterization of banana fiber reinforced polymer composite	IOP publishing- Materials Science and Engineering, Vol – 376, Issue- 1, March – 2018	doi: 10.1088/1757-899X/376/1/012041
11.	Tensile property evaluation of sisal – glass fiber reinforced polymer-based composites	International journal of composite materials, Vol – 7 (3), Oct-2017	doi: 10.5923/j.cmaterials.20170703.01
12.	Physical and Water Absorption Behavior of Sisal – Glass Fiber Reinforced Polymer based Composites	American Journal of Materials Science, Vol – 6, Issue- 4, Nov-2016	doi: 10.5923/j.materials.20160604.02
13.	Experimental Investigation on Mechanical Properties of Hemp/E-Glass Fabric Reinforced Polyester Hybrid Composites	Journal of Materials and Engineering Structures, Vol – 6, Issue- 4, Aug-2016	ISSN: 2170-1276

14.	Studies on Mechanical Properties of Banana/E-Glass Fabrics Reinforced Polyester Hybrid Composites	Journal of Materials and Environmental Science, Vol - 7, Issue- 9, June – 2016	ISSN 2028-2508
15.	Processing Techniques of Polymer Matrix Composites – A Review	International Journal of Engineering Research and General Science, Volume 4, Issue- 3, June, 2016	ISSN 2091-2730
16.	Applications of natural fibers and its composites: an overview	Natural resources, Vol - 7, March 2016	dx.doi.org/10.4236/nr.2016.73011
17.	Arduino controller based smart stick for visually challenged using Zigbee communication	International Journal of Engineering Research and General Science, Vol - 3, Issue- 6, Dec – 2015	ISSN 2091-2730
18.	Design and fabrication of ginger harvesting machine	World Journal of Engineering and Technology, Vol. – 3 Nov – 2015	ISSN:2321-0613 dx.doi.org/10.4236/wjet.2015.34031
19.	Review on Mechanical Properties of Sisal and Banana Reinforced Composites	International Journal of Engineering Research and General Science, Vol - 3, Issue 5, Oct –15	ISSN 2091-2730
20.	Mechanical Properties of Epoxy based Hybrid Composites reinforced with Sisal/SIC/Glass Fibers	International Journal of Engineering Research and General Science, Vol – 2, (5), Sept – 14	ISSN 2091-2730
21.	Super plasticity and Super plastic Tensile Behavior of AA5083	International Journal of Advanced Engineering and Technology, Vol-6, Issue-4, July- 2013,	ISSN: 22311963

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.	Academic Council, MCE, Hassan (Autonomous Program) June/2009 to Sept./2011.
2.	Member, BOG, TEQIP-II, MCE Hassan, Jan/ 2014 to March/2017.
3.	HOD/Chairman Mechanical Engg. Department, MCE, Hassan, June/2020 to March/2023.
4.	Board of Studies, St. Joseph College of Engineering, Mangalore (Autonomous Program) VTU Nominee, April/2021 to till date.
5.	Board of Appointment, BEC, Bagalkot, VTU Nominee, April/2021 to till date.
6.	Academic Council, MCE, Hassan (Autonomous Program), May/2023 to till date.

3. **Details of Teaching Related Activities**

Sl. No.	Academic Year	(B. E/M.Tech)	Course Title
1.	2015-16	B.E.	Measurement Science
2.		B.E.	Fluid Power Systems
3.		B.E.	Manufacturing Science - I
4.	2016-17	B.E.	Measurement Science
5.		B.E.	Fluid Power Systems
6.		B.E.	Manufacturing Science - I

7.		B.E.	Quality control and Management
8.	2017-18	B.E.	Manufacturing Science - I
9.		B.E.	Measurement Science
10.		B.E.	Fluid Power Systems
11.		B.E.	Quality control and Management
12.	2018-19	B.E.	Manufacturing Science - I
13.		B.E.	Measurement Science
14.		B.E.	Fluid Power Systems
15.		B.E.	Quality control and Management
16.	2019-20	B.E.	Manufacturing Science - I
17.		B.E.	Measurement Science
18.		B.E.	Fluid Power Systems
19.		B.E.	Quality control and Management
20.	2020-21	B.E.	Measurement Science
21.		B.E.	Fluid Power Systems
22.		B.E.	Environmental Studies
23.	2021-22	B.E.	Measurement Science
24.		B.E.	Environmental Studies
25.		B.E.	Occupational Health and Safety Engineering
26.	2022-23	B.E.	Measurement Science
27.		B.E.	Environmental Studies
28.		B.E.	Occupational Health and Safety Engineering
29.		B.E.	Universal Human Values

Professional Development Activities		
Membership in profession related committees at state and national level a) At International b) At national level: c) At state :		ISTE, LM - 27375 Institution of Engineers (I), F- 1246298 (FIE)
Participation in subject associations, conferences, seminars without paper presentation		Nil
Participation in short term training courses less than one week duration in educational technology, curriculum development, professional development, Examination reforms, Institutional governance		12
Membership/participation in State/Central Bodies/Committees on Education, Research and National Development		Nil
Publication of articles in newspapers, magazines, or other publications (not covered in category 3); radio talks; television programmes		Nil
Invited Expert Talks		05

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

Sl. No.	Name of Course/Summer/Winter School	Duration	Organized By
1.	Two week STTP on “Robotics for Industrial Applications”	Two weeks	M.C.E. Hassan AICTE Sponsored
2.	Two week STTP on “Tool Engineering and Design”	Two weeks	M.C.E. Hassan AICTE Sponsored
3.	Two week STTP on “Recent Developments in Materials Joining”	Two weeks	Annamalai University, Annamalai Nagar,
4.	Two week STTP on “Recent Trends in Polymer Composites”	Two weeks	S.J.C.E. Mysore. AICTE Sponsored
5.	ISTE, 31 st Annual Convention	Three days	KIT, Bhubaneshwar. ISTE Sponsored
6.	One week workshop on “Feel Teacher” Training programme	One Week	M.C.E., Hassan TEQIP Sponsored
7.	Two week STTP on “FEM and its Applications to Non – Linear Problems”	Two weeks	PESCE, Mandya AICTE Sponsored
8.	Three days work shop on “Industrial Hydraulic and Pneumatics”	Three days	MICO, Bangalore.
9.	One week FDP on “Computer Aided Engineering Graphics”	One Week	VTU Belgaum at S.I.T., Tumkur.
10.	One week FDP on “Advances in Non Destructive Testing”	One Week	M.C.E., Hassan TEQIP Sponsored
11.	One week FDP on “Project Ideation and Implementation”	One Week	VTU Belgaum at MSRIT, Bangalore
12.	Three days Work shop on “Pneumatics, Hydraulic and PLCs”	Three days	M.C.E., Hassan TEQIP Sponsored
13.	Three days Workshop on “Bringing Industry to Institutions”	Three days	M.C.E., Hassan TEQIP Sponsored
14.	One week STTP on “Recent Developments in Rock Excavation & Management”	One Week	NITK, Surathkal AICTE Sponsored
15.	ISTE, 40 th Annual Convention	Three days	MEPCO SEC, Shivakashi ISTE Sponsored
16.	26 th Indian Engineering Congress	Three days	IEI, Bangalore
17.	One week FDP on “Recent Advances in Thermal Engg. & its Applications”	One Week	M.C.E., Hassan TEQIP Sponsored
18.	Three days Workshop on “Deriving program objectives/ outcomes for NBA report”	Three days	M.C.E., Hassan TEQIP Sponsored
19.	Three days Workshop on “Industry Readiness in Engineering Education”	Three days	Edumatic Solutions, Bangalore TEQIP Sponsored
20.	One week FDP on Essential skills for mechanical engineers	One Week	M.C.E., Hassan TEQIP Sponsored
21.	Two week FDP on Formulation, Modeling & practical Applications of Operations research	Two weeks	M.C.E., Hassan AICTE Sponsored

22.	Three days workshop on Quality Initiatives in Technical & higher Educational Institution and Assessment	Three days	GEC, Hassan
23.	One week FDP on Emerging trends in materials and manufacturing technology	One Week	M.C.E., Hassan TEQIP Sponsored
24.	One week CE and QIP: End to End innovation	One Week	IITB, Mumbai TEQIP Sponsored
25.	Two week STTP on Advanced materials and manufacturing technology	Two weeks	MSRIT, Bangalore AICTE Sponsored
26.	One week FDP on Total quality management	One Week	M.C.E., Hassan TEQIP Sponsored
27.	One week FDP on Recent developments in solar and wind energy systems and applications	One Week	M.C.E., Hassan TEQIP Sponsored
28.	Two week FDP on Advanced manufacturing	Two weeks	BMSCE, Bangalore TEQIP Sponsored
29.	One week FDP on Design of thermal systems	One Week	M.C.E., Hassan TEQIP Sponsored
30.	Three days Regional Research Symposium on Problem Based Learning	Three days	KLE Technological University, Hubli
31.	Two week FDP on Light weight structures for engineering applications through composites and topology optimization	Two weeks	GEC, Hassan AICTE sponsored
32.	One week STTP on Creating the smart and green society through advance technology of green energy	One Week	M.C.E., Hassan AICTE sponsored
33.	Three days webinar on Ergonomics applications for higher productivity	Three days	TEQIP Sponsored PDACE, Kalaburagi
34.	One week FDP on Industrial Automation- Industry 4.0	One Week	SJBIT, Bengaluru ISTE & IIPE sponsored
35.	One Week FDP on Open-source software and tools for modern teaching	One Week	VGST, Bangalore Sponsored GEC, Haveri
36.	One day Workshop on Introduction to Fusion 360	One day	M.C.E., Hassan AUTODESK sponsored