

Department of Computer Science Engineering (Artificial Intelligence)

Name of the Faculty: Dr.Rashmi L Malghan

PhD Completion Year: November 2018

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Number of PhD candidates guided/Guiding: NIL

List of Collaborations (Mention Institute/department/organisation name, Country)

a. Debre Markos University Ethiopia

b. NITK Surathkal

I). Details of Original Research Article Contributions

Seri al No	Journal Name/Publisher	Paper Title/Authors	Indexing *	Impact Factor/Q rating	DOI* (paste only DOI link)	Accepted/Publish ed Year, Volume, issue, page number
1	Engineering Research Express2 Publisher : IOP	Title: Advantages of Cryogenic Machining Technique over Without-Coolant and With-Coolant Machining on SS316 Authors: Karthik Rao, Rashmi L Malghan , Arun Shettigar, Shrikantha S Rao and Mervin A Herbert	Scopus	OA	https://doi.org/10.1088/2631-8695/abecd6	2021
2	Australian Journal of Mechanical Engineering Publisher : Taylor & Francis	Application of back propagation algorithms in neural network based identification responses of AISI 316 face milling cryogenic machining technique Authors: Karthik Rao, Rashmi L Malghan , Arun Shettigar, Shrikantha S Rao and Mervin A Herbert,	SCI/ Scopus	1.5	https://doi.org/10.1080/14484846.2020.1740022	2020
3	Data in Brief Publisher : Elsevier	Dataset on Flank Wear, Cutting Force and Cutting Temperature Assessment of Austenitic Stainless Steel AISI316 under Dry, Wet and Cryogenic during Face Milling Operation Authors: Karthik Rao, Rashmi L Malghan , Mervin A Herbert and Shrikantha S Rao,	ESCI/ Scopus	1.5	https://doi.org/10.1016/j.dib.2019.104389	2019
4	Transactions of the Indian Institute of Metals Publisher : Springer	An Efficient Approach to Optimize Wear Behavior of Cryogenic Milling Process of SS316 Using Regression Analysis and Particle Swarm Techniques	SCI/ Scopus	1.2	https://doi.org/10.1007/s12666-018-1473-y	2018

		Authors: Karthik Rao, Rashmi L Malghan , Arun Shettigar, Shrikantha S Rao and Mervin A Herbert,				
5	International Journal of precision Engineering and Manufacturing, Publisher : Springer	Machining Parameters Optimization of AA6061 using Response Surface Methodology and Particle Swarm Optimization Authors: Rashmi L Malghan , Karthik Rao, Arun Shettigar, Shrikantha S Rao and Mervin A Herbert	SCI/ Scopus	1.4	https://doi.org/10.1007/s12541-018-0083-2	2018
6	Journal of Materials Science & Surface Engineering	Machinability Study of Austenitic Stainless Steel under Wet and Cryogenic Treatment in Face Milling Authors: Karthik Rao, Rashmi L Malghan , Arun Shettigar, Shrikantha S Rao and Mervin A Herbert,	Scopus	1.2	http://www.jmsse.in/files/563_Karthik_Rao_et_al.PDF	2017
7	Data in Brief, Publisher : Elsevier	Forward and Reverse Mapping in Milling process using ANN Authors: Rashmi L Malghan , Karthik Rao, Arun Shettigar, Shrikantha S Rao and Mervin A Herbert	ESCI/ Scopus	1.5	https://doi.org/10.1016/j.dib.2017.10.069	2017
8	Materials and Manufacturing Processes Publisher : Taylor and Francis	Effect of process parameters in face milling operation and analysis of cutting force using indirect method Authors: Rashmi L Malghan , Karthik Rao, Arun Shettigar, Shrikantha S Rao and R J D'Souza	SCI/ Scopus	3.7	https://doi.org/10.1080/10426914.2017.1388520	2017
9	Journal of the Brazilian Society of Mechanical Sciences and Engineering Publisher :	Application Of Particle Swarm Optimization And Response Surface Methodology For Machining Parameters Optimization Of Aluminium Matrix Composites In Milling Operation	SCI/ Scopus	1.8	https://doi.org/10.1007/s40430-016-0675-7	2016

	Springer	Authors: Rashmi L Malghan , Karthik Rao, Arun Shettigar, Shrikantha S Rao and R J D'Souza				
10	Material Science Forum	Application of Neural Network for the prediction of tensile properties of friction stir welded composites Authors: A K Shettigar, Subramanya P, Rashmi Malghan , S S Rao, Mervin H	Scopus	0.35	https://doi.org/10.4028/www.scientific.net/MSF.880.128	2016
11	International Journal of Applied Engineering Research	Development of a Prediction Model for Optimized Surface Roughness in Face Milling Operation Using Recurrent Neural Network Technique Authors: Rashmi L Malghan , Karthik Rao, Arun Shettigar, Shrikantha S Rao and R J D'Souza	Scopus	1		2015
12	International Journal of Applied Engineering Research	Multiple Response Optimizations in Milling Using Taguchi and Grey Relational Analysis Authors: Karthik Rao, Rashmi L Malghan , Arun Shettigar, Shrikantha S Rao and R J D'Souza	Scopus	1		2015
13	4th International Engineering Symposium - IES 2015, Kumamoto University, Japan	Adaptive Control System for CNC Machine Authors: Rashmi L Malghan , Karthik Rao, Arun Shettigar, Shrikantha S Rao and R J D'Souza	Scopus	0.5		2015
14	International Journal of Engineering Research and Development	A Review of Developments in Web Based manufacturing Authors: Rashmi L Malghan , Shrikantha S Rao and R J D'Souza	Scopus	4.6	https://www.researchgate.net/publication/293821315_A_Review_of_Developments_in_Web_Based_Manufacturing	2013
15	Publication List	Market Analysis And Potential For UPNP, DLNA server Global Edge -A	Non - Scopus		http://publicationslist.org/r.malghan	2011

		case study Authors: Rashmi L Malghan , Kiran B. Srinivas				
16	National Conference on Technology for Sustainable Tomorrow held in CARE School of Engineering,	A Survey in Modeling and Simulation of projects”, Authors: Rashmi L Malghan , Kiran B. Srinivas	Non - Scopus			2011
17	International Conference on Operational Excellence for Global Competitiveness	“A survey of Petri Net methods in Modeling and Simulation of projects” Authors: Rashmi L Malghan , Kiran B. Srinivas	Non - Scopus			2011
18	International Conference on Operational Excellence for Global Competitiveness	“Recent Trends In Sales Force Automation Products Authors: Rashmi L Malghan , Kiran B. Srinivas	Non - Scopus			2011

(II). Details of Book Publications

Serial No	Book Title/Publisher	ISBN Number*	Authors	E source page*
1				

(III). Details of Book Chapter Publications

Serial No	Book Chapter Title/Publisher	ISBN Number	Authors	E source page	DOI*/Vol number/Page Number
1					

(IV) Details of Patent publications/Grants (Indian/Foreign)

Serial No	Title of the Innovation	Application Number*/Grant Number*/Patent Reference Number	Authors	Filled/Published Web link* (Indian/Foreign)	Date of publication/Grant
1	AI Enabled Assistive Technology Development For Visually Impaired People Using Deep Learning	2020103341	<p>Name Of Inventor :</p> <p>1) Virmani, Deepali; 2) Malghan, Rashmi L.; 3) M. C., Karthik Rao; 4) Balachandra Pattnaik, 5) Manjula; 6) Pavan Kumar; Gupta Charu; 7) Sanath Kumar; Subramani T, 8) Naveen Kumar; Ganesh N, 9) John Rajan</p>	Foreign	06-01-2021
2	GUI Based Eye Tracking For Disabled People Using Viola-Jones Algorithm And Hough Transform	202041020271	<p>Name Of Inventor :</p> <p>1)Dr. P. S. Periasamy 2)Dr. Rashmi Laxmikant Malghan 3)Dr. Vinodha K 4)Dr. A. Chandrashekar 5)Dr. S. Murali 6)Dr. R. Gayathri</p>	Indian http://ipindia.gov.in/writereaddata/Portal/IPOJournel/1_4870_1/Part-1.pdf	29-05-2020

			7)Dr. H. Parveen Sultana 8)Dr. Muhammad Rukunuddin Ghalib 9)Dr. Samraj Lawrence 10)Dr. V. Saravanan		
3	Breast Cancer Prediction System And Method For Early Detection	202041021242 A	Name Of Inventor : 1)Dr. Shahina Parveen 2)Dr. P. Sakthivel 3)Dr. Rashmi Laxmikant Malghan 4)Dinesh Jackson 5)Mr. Karthik Rao M 6)Dr. Glorindal S 7)Dr. B. Baranidharan	Indian https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4874_1/Pat-1.pdf	05-06-2020

(V) Details of Membership to Professional Bodies

Serial No	Name of the Society/Organization	Membership Number*/Type	Role	Date of joining
1				

(VI) Details of Conference Chair*/Proceedings

Serial No	Name of the Conference/National/International	Title of the Paper Presented*	Date/Venue/oral/poster	Presenting Author Name
1				

(VII) Any other details* (Kindly attach relevant certificates)

CONSULTANCY PROJECTS HANDLED

- 1) Kaggle Competition** (Capstone – Group1 – Bangalore- PGPML) Great Lakes E-Learning Service Private Limited- Industry Projects
- 2) Kaggle Competition** (Capstone- Group1-Mumbai-PGPML) Great Lakes E-Learning Service Private Limited- Industry Projects
- 3) Kaggle Competition** (Capstone – Group2 – Chennai- PGPML) Great Lakes E-Learning Service Private Limited- Industry Projects

Note: * marked fields are compulsory to fill