P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	**T M DEVEGOWDA**
Designation,	*Assistant Professor*
Department & Affiliated Institution	*Department of Mechanical Engineering,* *P.E.S College of Engineering, Mandya – 571 401*
Research Area	*Production, Wire EDM and Machine Vision*
Contact Number	*+91* 9480765646
Email ID	*tmdgowda9@gmail.com*

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
PG (Dip. in Sugar Engg.)	*VSI, Pune*	*VSI, Pune*	*1998*	---	*II - Class*
B. E.	PESCE, Mandya	Mysore University	*1992*	*61*	*First Class*

Professional Experience

Organization and Department	Designation	Period	Total Experience
P.E.S. College of Engineering, Mandya	*Lecturer*	1998-2008	*9.5 Years*
P.E.S. College of Engineering, Mandya	*Assistant Professor*	2008 to Till date	*12 years*

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	Elements of Mechanical Engineering, Organizational Behavior, Production Management, Engineering System Design, Operation Research, Engineering Drawing, Basic Thermodynamics, Applied Thermodynamics, Fluid Mechanics.

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	*Nil*	*Nil*	*Nil*
Pursuing	*Nil*	*Nil*	*Nil*

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Nil	*Nil*	*Nil*	*Nil*

Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	*Nil*	*06*
Conferences/Symposia	*Nil*	*09*

Other Important Responsibilities Held in the College

1. Working as Student welfare officer.
2. Working as anti ragging committee member.
3. Worked as MEA secretary
4. Worked as BOE chairman

LIST OF PUBLICATIONS

International Journal

1. Gurupavan H R, **T.M. Devegowda**, H.V. Ravindra, "Monitoring the Performance of Electrode Status and Surface Roughness in WEDM of Al-8% Si_3N_4 using Vision System" Journal of Critical Reviews, Vol. 7, PP. 2590-2599, ISSN: 2394-5125, 2020.
2. Gurupavan H R, H.V. Ravindra, **Devegowda T. M**, **"Prediction and Comparison of Vision Parameter of Surface Roughness in WEDM of Al-6%Si_3N_4 and Al-10%Si_3N_4 Using ANN" Lecture Notes on Multidisciplinary Industrial Engineering**, PP. 361-371, ISSN 2522-5022, 2019.
3. Gurupavan H R, H.V. Ravindra, **Devegowda T. M**, **"Surface Roughness Measurement of WEDM Components Using Machine Vision System"** Lecture Notes in Electrical Engineering, Vol.545, PP. 539-547, ISSN 1876-1100, 2019.
4. Gurupavan H R, H.V. Ravindra, **Devegowda T. M**, Rudreshi Addamani, **"Machine Vision System for Correlating Wire Electrode Status and Machined Surface in WEDM of AlSi_3N_4 MMC'S"** IOP Publishing: Materials Science and Engineering Vol. 376, PP. 012120, 2018.
5. Gurupavan H R, **T.M. Devegowda**, H.V. Ravindra, G. Ugrasen, **"Estimation of Machining Performances in WEDM of Aluminium based Metal Matrix Composite Material Using ANN"** Materials Today: Proceedings, Vol. 4, PP. 10035–10038, 2017.
6. Gurupavan H R, **T.M. Devegowda**, H.V. Ravindra, "**Optimization of WEDM Parameters using Taguchi Technique in Machining of Metal Matrix Composite Material",** International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), Vol 2, PP. 714-719, 2017.

International Conferences

1. Gurupavan H R, H.V. Ravindra, **T.M. Devegowda**, **"Monitoring the Performance of Electrode Status and Surface Roughness in WEDM of Al-8% Si_3N_4 using Vision System"** International Conference on Advances in Mechanical Engineering Sciences (ICAMES-2K20), PESCE, Mandya, Feb. 28th-29th, 2020.
2. Gurupavan H R, H.V. Ravindra, **T.M. Devegowda**, **"Prediction of Vision Parameters of Surface roughness and Wire Wear in Wire-EDM of Al-10 wt.% Si3N4 MMC Material using ANN"** International Conference on Ultrasonics and Materials Science for Advanced Technology (ICUMSAT-2019), VBS Purvanchal University, Jaunpur, Uttar Pradesh, Nov. 16th-18th, 2019.
3. Gurupavan H R, H.V. Ravindra, **T.M. Devegowda, "Prediction and Comparison of Vision Parameter of Surface Roughness in WEDM of Al-6%Si3N4 and Al-10%Si3N4 using ANN",** All India Manufacturing Technology, Design and Research (AIMTDR-2018), College of Engineering Guindy, Anna University, Chennai, Dec. 13th-15th, 2018.

4. Gurupavan H R, H.V. Ravindra, **T.M. Devegowda**, **"Estimation of Machine Vision parameters of Surface roughness and Wire wear in Wire EDM of Al-Si_3N_4 Metal Matrix Composite Material using Artificial Neural Network"** ASME International Mechanical Engineering Congress and exposition (IMECE-2018), David L. Lawrence Convention Center, Pittsburgh, PA, USA, Nov.09-15, 2018.
5. Gurupavan H R, **T.M. Devegowda**, H.V. Ravindra, **"Surface Roughness Measurement of WEDM Components using Machine Vision System"** International Conference on emerging research in electronics, computer science and technology (ICERECT-18), PESCE, Mandya, Aug. 23^{rd}-24^{th}, 2018.
6. Gurupavan H R, H.V. Ravindra, **T.M. Devegowda**, Rudreshi Addamani, **"Machine Vision System for Correlating Wire Electrode Status and Machined Surface in WEDM of $AlSi_3N_4$ MMC'S"** International Conference on Advances in Manufacturing, Materials & Energy Engineering, MITE, Mangalore, Mar. 02^{nd}-03^{rd}, 2018.
7. Gurupavan H R, **T.M. Devegowda**, H.V. Ravindra, "**Optimization of WEDM Parameters using Taguchi Technique in Machining of Metal Matrix Composite Material"** International Conference on advances in mechanical engineering sciences (ICAMES-17), PESCE, Mandya, Apr. 21^{st}-22^{nd}, 2017.
8. Gurupavan H R, **T.M. Devegowda**, H.V. Ravindra, G. Ugrasen, **"Estimation of Machining Performances in WEDM of Aluminium based Metal Matrix Composite Material Using ANN"** International Conference on Recent Trends in Engineering and Materials Science (ICEMS-2016), Jaipur National University, Jaipur, Mar. 17^{th}-19^{th}, 2016.
9. Gurupavan H R, **T.M. Devegowda**, Monisha P, H.V. Ravindra, "**Optimization of machining parameters in WEDM of Al-Si_3N_4 metal matrix composite material using Taguchi Technique**", International Conference on Precision, Meso, Micro and Nano Engineering, COPEN-9, IIT-Bombay, Dec. 10^{th}-12^{th}, 2015.