



# 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)	<b>Dr. PARTHA M K</b>
2.	Qualification	<b>M.Sc, P.hd</b>
3.	Date of joining the service at MCE	<b>31-10-1988</b>
4.	Department	<b>Mathematics</b>
5.	CurrentDesignation &Experience in MCE	<b>Professor and HOD 35 Years</b>
6.	<b>Teaching Experience:</b> P.G. (in Years) : U.G. (in Years) :	<b>10 Years 35 Years</b>
<b>Research Experience (in Years)</b>		
7.	a) <b>Total Number of years</b> b) <b>Years spent in M. Phil. / Ph.D.</b> c) <b>Years of Guiding Ph.D. / M. Phil.</b> d) <b>Total No. of papers Published in</b> i. International Journals ii. National Journals iii. Conference Proceedings e) <b>Total No. of Conferences/Seminar/Workshop Attended</b> i. International ii. National iii. State Level	<b>10 Years 3 Years - 10 10 - - 6 3 3 -</b>
8.	<b>Awards /Prizes/ Honor's / Recognitions</b>	<b>Nil</b>

9.	<b>Fields of Specialization under the Subject / Discipline</b>	<b>Convection in porous media</b>
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**PART-B**

**1. List of Publications:**

Sl. No.	Title	Name of the Journal, Vol. No., Year
1.	Effect of viscous dissipation on mixed convection heat and mass transfer from an exponentially stretching surface .	Heat and Mass transfer. Vol. 41, 2005, pp 360-366
2.	Mixed convection heat and mass transfer with thermal radiation in a non-Darcy porous medium.	Journal of porous media, vol 8, 1-9, 2005
3.	Soret and Dufour effects in a Non –Darcy porous medium ASME	Journal of heat transfer. June 2006, vol 128, pp 605-610
4.	Viscous flow past a porous spherical shell – Effect of stress jump boundary condition-ASCE.	Journal of engineering mechanics. 2005, vol 131, pp 1291-1301
5.	Viscous flow past a porous spherical void –Effect of stress jump boundary condition.	journal of porous media , 9(8), 745-767- 2006
6.	Thermophoresis under the influence of Soret, Dufour effect in a non Darcy porous medium.	Heat and mass transfer 2007
7.	Suction/injection effects on thermophoresis particle deposition in a non-Darcy porous medium under the influence of Soret, Dufour effects	Heat and mass transfer 52,1971-1979,2009
8.	Non linear convection in a non-Darcy porous medium	Applied mathematics and mechanics, 31,565-574, 2010
9.	Thermophoretic and Nonlinear convection in a non darcy porous medium	Journal of heat transfer. 136(4)-2014
10.	Thermophoresis effects on heat and mass transfer in a non Darcy porous medium	Int. J. Mechanical and Production, 1,1,2092-2300, 2013

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.)

SI. No	Responsibilities
1.	Hod of Department of Mathematics
2.	Department level NBA & NAAC responsibility
3.	DAC chairman at department level
4.	IQAC Chairman at department level
5.	BOS Chairman at department level
6.	Member of BOE
7.	Advisor to Criteria 8 For NBA & NAAC( 1 <sup>st</sup> year level)
8.	Supervision of all academic works concerning to Mathematics department
9.	Staff representative to BOG

### 3. Details of Teaching Related Activities

SI. No.	Academic Year	(B. E/M.Tech)	Course Title	Activities
1	2021-22	B.E	1.Calculus and Numerical methods 2.Differential equations and vector calculus	Group learning/ seminar on significant applications on mathematics
2	2022-23	B.E	1.Linear algebra and integral transforms. 2.Statistics and probability	Group learning/ seminar on significant applications on mathematics
3	2020-21	B.E( open elective courses)	Linear algebra and its applications	Group learning/ seminar/ presentation on significant applications on mathematics
4.	2021-22	B.E( open elective courses)	Advanced Mathematics	Group learning/ seminar/ presentation on significant applications on mathematics

Professional Development Activities		
	Invited Expert Talks	5

<u>Sl. No.</u>	<u>TITLE</u>	<u>ORGANISED BY</u>	<u>DURATION</u>
<u>1.</u>	Trained programme for PGT teachers of Mathematics	Navodaya vidyalaya Mavinakere, Hassan	27/09/2017 to 17/09/2017
<u>2.</u>	Advanced Mathematical Techniques in research and Engineering Applications	GMIT, Davanagere	29/01/2018 & 30/01/2018
<u>3.</u>	Probability and its application in management	H.R Institute of Higher education, Hassan	21/01/2019
<u>4.</u>	Blooms Taxonomy and the related Issues	K.V.G. College of Engineering, Sullia	09/08/2018
<u>5.</u>	Talk on “Machine learning and Implementations”	IQAC - GMIT	04/07/2018 to 06/07/2018

### PART-C

#### ACADEMIC CONTRIBUTIONS

##### 1. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes IS IT CONDUCTED OR ATTENDED

<b>Sl. No.</b>	<b>Name of Course/Summer/Winter School</b>	<b>Duration</b>	<b>Organized By</b>
1.	Advanced Manufacturing Processing Techniques		MCE, Hassan
2.	New Model Curriculum for First Year BE/ B.Tech-CBCS Detailed Syllabus as per OBE format including CO & Blooms Taxonomy	19/05/2018	SCEM, Mangalore
3.	Professional and Academic quality in Engineering Courses (PAQ)	23/04/2018	MCE, Hassan
4.	Learning process	19-04-18 & 20-04-18	KLE – Hubli