

# RESUME

## PERSONAL DETAILS

Name	-	<b>ROOPA B. MATH</b>
Fathers Name	-	BASAVAYYA
Date of Birth	-	24 <sup>th</sup> May 1972
Marital Status	-	Married
Son	-	⇒ Studying in B.V.Sc-III, Veterinary College, Shimogga.
Spouse	-	⇒ M.Tech (CAD/CAM) and Working as Associate Professor in Mechanical Engineering Department at BEC (A) Bagalkot.
Languages Known	-	Kannada English Hindi



Present Address	-	Mrs. Roopa B. Math C/o. Sri. B B Athani, Plot No. 101 Sector No.: 63-A, Brindavan Sector Navanagar, BAGALKOT – 587 102, Karnataka
Permanent Address	-	C/o Sri. M N Ganganallimath Plot No. 45, Sajjan Layout Opposite Banjara High School, Near Adarsh Nagar, Solapur Road, BIJAPUR – 586 103, Karnataka
Contact No.	-	☎ Off: 08354 - 234060    📠 Fax: 08354 - 234204
Cell Phone	-	📱 +91 9480 222544
E-mail ID	-	rbmath@rediffmail.com
PAN / Passport No	-	xxxxxxxx
Driving License	-	xxxxxxxx
Aadhar Card Number	-	xxxxxxxx

### Membership in Academic Societies / Bodies:

ISTE	: Life Member	: Indian Society for Technical Education	LM-40051, 2004
ISE	: Life Member	: Indian Society of Ergonomics	LM-224, 07 Nov 2008
ISI	: Ordinary Member	: Indian Statistical Institute	OMISI, 2011-2016

## PAPERS COMMUNICATED (International Journal)

1. Ganganallimath, M.M, **Math, R.B.** and Hiremath, V, 'Role of human anthropometry in manufacturing process optimisation', *International Journal Business and Systems Research* [Scopus (Elsevier)]
2. Ganganallimath, M.M, Patil, S.D, Gijo, E.V, **Math, R.B** and Hiremath, V. 'Application of Taguchi-based Six Sigma method to reduce defects in green sand casting process: a case study', *International Journal Business and Systems Research* [Scopus (Elsevier)]

1. **R B Math**, M M Ganganallimath, Shinde Harshvardhan, Basavaraj S Anami, “Automation of toll centre on national highway to Achieve enhanced quality control and better customer service”, Proceedings of 9<sup>th</sup> International Symposium on MEASUREMENT AND QUALITY CONTROL ISMQC (In association with International Measurement Confederation-IMEKO, Indian Institute of Technology (IIT), Chennai – 600 036, Tamil Nadu
2. **R B Math**, M M Ganganallimath, Nikhil Modi, Dr. Umesh Bhushi, “Automatic Dispensing of liquid into two different quantities by sensing the containers”, Proceedings of 2<sup>nd</sup> International Conference on Systems and Control-ISCO 2008 (In collaboration with School of Mechatronic Engineering, Universiti MALAYSIA PERLIS), Karpagam College of Engineering, Coimbatore-641 032, Tamil Nadu
3. M M Ganganallimath, **R B Math**, Dr. K Vizayakumar, Gomtesh Jabannavar, “Improved Sitting Posture to enhance the Productivity & to Preserve good health of the Operators”, Proceedings of 1<sup>st</sup> International Conference on Recent Developments in Mechanical Engineering-(ICRDME 2008, Shaheed Udham Singh College of Engineering & Technology, Tangori -140 306, Punjab
4. **R B Math**, Dr. B S Anami, Dr. S A Angadi M M Ganganallimath, “A Framework for Generating Web-Services from Java Classes”, Proceedings of International Conference on Digital Factory-ICDF-2008 (Jointly with Business Innovation Research Centre, University of Massachusetts-Dartmouth, USA, In Collaboration with International Journal of Indian Culture and Business Management, International Journal of Industrial and Systems Engineering, International Journal of Procurement Management, International Journal of Business Innovation & Research, Benchmarking: An International Journal), Coimbatore Institute of Technology, Coimbatore-641014, Tamil Nadu
5. U D Dixit, M M Kodabagi, C A Patil, **R B Math**, “Simulation of Bandwidth Management and QoS Provisioning in Adhoc Wireless Networks”, Proceedings of International Conference on Digital Factory-ICDF-2008 (Jointly with Business Innovation Research Centre, University of Massachusetts-Dartmouth, USA, In Collaboration with International Journal of Indian Culture and Business Management, International Journal of Industrial and Systems Engineering, International Journal of Procurement Management, International Journal of Business Innovation & Research, Benchmarking: An International Journal), Coimbatore Institute of Technology, Coimbatore-641014, Tamil Nadu

1. **R B Math**, M M Ganganahallimath, “Group Learning to Enhance Faculty Empowerment and Skill Up-gradation through Group Discussions”, in the proceedings of National Seminar Sponsored by NAAC on Quality in Higher Education: Rural Empowerment; Challenges and Opportunities, B K Arts Science and Commerce College, CHIKODI-591 201, Karnataka
2. **R B Math**, M M Ganganahallimath, “Organization Learning: A Means to Enhance Faculty Empowerment and Skill Up-gradation”, in the proceedings of National Seminar Sponsored by NAAC on Quality in Higher Education: Rural Empowerment; Challenges and Opportunities, B K Arts Science and Commerce College, CHIKODI-591 201, Karnataka
3. **R B Math**, M M Ganganahallimath, V M Budyal, “Influence of Blocker Die Impressions Near Net Shape Forging”, in the proceedings of National Conference on “Technological Advancements in Mechanical Engineering” (TAME-2005) in association with TEQIP World Bank Networking Institutions, Sreenidhi Institute of Science and Technology (SNIST), Hyderabad– 501 301 (A.P)
4. M M Ganganahallimath, V M Budyal, **R B Math**, “Industrial Applications of Solar Energy and Related Technologies”, in the proceedings of National Conference on Recent Advances in Mechanical Engineering, README– 05, P A College of Engineering, MANGALORE– 574 153
5. **R B Math**, M M Ganganahallimath, V M Budyal, “Manufacturing Process Optimization through Self-Directed Learning Methods for Design Engineers”, in the proceedings of National Conference on “ Recent Trends in Manufacturing” NCRTM-2006, Kolhapur Institute of Technology’s College of Engineering, KOLHAPUR– 416 234
6. V M Budyal, M M Ganganahallimath, **R B Math**, “Manufacturing Process Optimization and Role of Human Anthropometry”, in the proceedings of National Conference on “ Recent Trends in Manufacturing” NCRTM-2006, Kolhapur Institute of Technology’s College of Engineering, KOLHAPUR – 416 234
7. M M Ganganahallimath, **Roopa B Math**, S B Manawaddar, “Importance of Teaching-Learning process for the application of Accreditation Issues”, in the proceedings of National Seminar on New Directions for Polytechnic Education in the Wake of Globalization, J.S.S’s K.H.K.Institute of Engineering, Dharwad, Karnataka
8. M M Ganganahallimath, **Roopa B Math**, G S Mahajanashettar, S B Manawaddar, “Convergent and Divergent Teaching Methodolies in Technical Education”, in the proceedings of National Seminar on New Directions for Polytechnic Education in the Wake of Globalization, J.S.S’s K.H.K.Institute of Engineering, Dharwad, Karnataka

**‘SIX SIGMA’ TRAINING PROGRAMMES ATTENDED**

2012	<ul style="list-style-type: none"> <li>• “<b>Six Sigma - Green Belt</b>” – 05 days Training Programme</li> <li>• SQC &amp; OR Unit, Indian Statistical Institute (ISI) Bangalore, 07-11 Feb 2012</li> </ul>
2013	<ul style="list-style-type: none"> <li>• “<b>Six Sigma – Black Belt</b>” – 16 days Training Programme</li> <li>• Indian Statistical Institute (ISI) Bangalore, 22-28 May and 08-16 June 2013</li> </ul>
2013	<ul style="list-style-type: none"> <li>• “<b>Design For Six Sigma</b>” – 06 Days Training Programme</li> <li>• Indian Statistical Institute (ISI) Bangalore, 20-26 Jan 2014</li> </ul>

**Faculty Development Program (FDP) CONDUCTED**

2014	<ul style="list-style-type: none"> <li>• Two weeks FDP on “Integrated Six Sigma Green Belt and Design for Six Sigma</li> <li>• Under TEQIP-II, 20-30 Jan 2014</li> </ul>
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**CONTINUING EDUCATION PROGRAMME ATTENDED : “22 WEEKS “**  
(STTP, SITP, STC, FDP, SDP, Refresher Course etc)

2004 (One week)	<ul style="list-style-type: none"> <li>• STTP on Learning Organization &amp; Knowledge Management in Technical Education</li> <li>• 16 – 21 Feb 2004. (Sponsored by AICTE – ISTE New Delhi)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 102</li> </ul>
2005 (Two weeks)	<ul style="list-style-type: none"> <li>• Staff Training Programme on “Electricity Management”.</li> <li>• 26 Dec 2005 to 06 Jan 2006. (Sponsored by AICTE New Delhi)</li> <li>• Dayanand Sagar College of Engineering, BANGALORE – 560 078</li> </ul>
2006 (Two weeks)	<ul style="list-style-type: none"> <li>• Staff Induction Training Programme in Pedagogy.</li> <li>• 04-01-2006 to 20-01-2006. (Sponsored by AICTE New Delhi)</li> <li>• Acharya Institute of Technology, BANGALORE – 560 090</li> </ul>
2006 (One week)	<ul style="list-style-type: none"> <li>• Vision for Research &amp; Development</li> <li>• 20 – 25 Mar 2006. (Sponsored by TEQIP – World Bank Scheme)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2007 (One week)	<ul style="list-style-type: none"> <li>• “EMBEDDED SYSTEMS”</li> <li>• 05-10 Feb 2007, (Sponsored by TEQIP – World Bank Scheme)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2007 (One Week)	<ul style="list-style-type: none"> <li>• “Real Time Operating System: A case Study VX-Works”</li> <li>• 26 – 31 MAR 2007 (Organised Under TEQIP of World Bank)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2009 (One Week)	<ul style="list-style-type: none"> <li>• STC on “Interpersonal Communication”</li> <li>• 17-22 Feb 2009 (Sponsored Under Quality Improvement Programme QIP)</li> <li>• Indian Institute of Technology (IIT) Kharagpur-721 302, (W.B)</li> </ul>
2009 (One Week)	<ul style="list-style-type: none"> <li>• High Impact Teaching skills, Dale Carnegies Certification program</li> <li>• 02-06 Feb 2009, (Organised by Wipro Technologies Bangalore)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2009 (Two Weeks)	<ul style="list-style-type: none"> <li>• FDP on “Management Information Systems”</li> <li>• Jun 22 – Jul 03, 2009 (Sponsored by MHRD Govt of India &amp; AICTE New Delhi)</li> <li>• Motilal Nehru National Institute of Technology, Allahabad-211014 (U.P)</li> </ul>
2010 (One Weeks)	<ul style="list-style-type: none"> <li>• FDP on “Knowledge Management: Issues and Challenges”</li> <li>• Jan 04 – Jan 08, 2010 (Sponsored by AICTE New Delhi)</li> <li>• Sardar Vallabhai National Institute of Technology (SVNIT) Surat -395007 (Gujarat)</li> </ul>
2011 (One Weeks)	<ul style="list-style-type: none"> <li>• FDP on “Software Project Management”</li> <li>• 23 – 27 Feb, 2011 (Sponsored by AICTE New Delhi)</li> <li>• Indian Institute of Technology (IIT) Kharagpur Extension centre, Bhubaneshwar</li> </ul>
2013 (Two Weeks)	<ul style="list-style-type: none"> <li>• FDP on “Curriculum Development in Technical and Vocational Education Through Quality Function Deployment Technique”</li> <li>• 28 May to 07 Jun 2013 (Sponsored by AICTE New Delhi)</li> <li>• BVVS Polytechnic (A), Bagalkot, Karnataka</li> </ul>
2014 (One Week)	<ul style="list-style-type: none"> <li>• Short Term Course on “Ancient Science and Technologies”</li> <li>• 10-14 Nov 2014 (Sponsored by TEQIP)</li> <li>• Indian Institute of Technology (IIT) Kanpur</li> </ul>

2015 (Two Weeks)	<ul style="list-style-type: none"> <li>FDP on Manufacturing Excellence</li> <li>21 April to 02 May 2015 (Sponsored by AICTE New Delhi)</li> <li>Amrutvahini College of Engineering, Sangamner-422608, Maharashtra</li> </ul>
2017 (Two Weeks)	<ul style="list-style-type: none"> <li>STC on Planning and Managing Human Resources: Tools and Techniques</li> <li>13-27 Mar 2017 (Sponsored by QIP)</li> <li>Indian Institute of Technology (IIT), Kharagpur, West Bengal</li> </ul>
2018 (One Week)	<ul style="list-style-type: none"> <li>FDP on End-to-End Innovation</li> <li>19-23 Feb 2018 (Sponsored by TEQIP)</li> <li>Indian Institute of Technology (IIT), Mumbai, Maharashtra</li> </ul>

#### Seminar / Workshop / FDP, MDP: Attended

2006 (Two days)	<ul style="list-style-type: none"> <li>National level seminar “Modern Sensors &amp; Their Applications”</li> <li>17-18<sup>th</sup> Nov 2006 (Organised Under TEQIP of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2007 (Three days)	<ul style="list-style-type: none"> <li>Faculty Development Programme “Advanced Microcontroller”</li> <li>15-17<sup>th</sup> Feb 2007 (Organised Under TEQIP of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2008 (Two days)	<ul style="list-style-type: none"> <li>National Seminar on “Applications of Soft Technologies in Higher Education”</li> <li>25-26 June 2008 (AICTE Sponsored)</li> <li>Rajendra Mane College of Engineering &amp; Technology, Ambav, Maharashtra</li> </ul>
2008 (Three days)	<ul style="list-style-type: none"> <li>Faculty Development Program on “Computer Network Simulation”</li> <li>21 – 23 Feb 2008, (Organised Under TEQIP of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2008 (Three days)	<ul style="list-style-type: none"> <li>National Workshop on “Basics of Wavelets and Applications”</li> <li>13 – 15 Mar 2008, (Organised Under TEQIP of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2012 (Three days)	<ul style="list-style-type: none"> <li>Train the Trainer workshop on “Web Application Development using J2EE Framework”.</li> <li>23-25<sup>th</sup> Jan 2012 (Organised by Infosys under Campus Connect)</li> <li>Srinivas Institute of Technology, Mangalore, Karnataka</li> </ul>
2013 (Three days)	<ul style="list-style-type: none"> <li>National level Workshop on “Distributed and Cloud Computing”.</li> <li>15-17<sup>th</sup> April 2013 (Organised Under TEQIP-II of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2013 (Two days)	<ul style="list-style-type: none"> <li>Two days Workshop on “Data Analysis &amp; Statistical Software”</li> <li>22-23 November 2008 (Organised Under TEQIP-II of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2014 (Two days)	<ul style="list-style-type: none"> <li>Two days Workshop on “Effective Leadership for Excellence”</li> <li>08 – 09 February 2014, (International Academy for Competency Enhancement)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2015 (Three days)	<ul style="list-style-type: none"> <li>Faculty Development Program on “Big Data Analytics using HADOOP”</li> <li>09 – 11 July 2015, (Organised Under TEQIP-II of World Bank)</li> <li>Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>

2015 (Three days)	<ul style="list-style-type: none"> <li>• Faculty Development Program</li> <li>• 12 – 14 October 2015, (Organised Under TEQIP-II of World Bank)</li> <li>• Teaching-Learning Centre, IIT Madras</li> </ul>
2015 (One day)	<ul style="list-style-type: none"> <li>• Workshop on “Outcome Based Education”</li> <li>• 18 December 2015, (Organised Under TEQIP-II of World Bank)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>
2016 (Three days)	<ul style="list-style-type: none"> <li>• Management Development Programme</li> <li>• 26 – 28 September 2016, (Organised Under TEQIP-II of World Bank)</li> <li>• Indian Institute of Management (IIM) Kozhikode</li> </ul>
2017 (Two days)	<ul style="list-style-type: none"> <li>• International Symposium on “Green Technologies for Sustainable Development”</li> <li>• 24 – 25 February 2017, (Organised Under TEQIP-II of World Bank)</li> <li>• Basaveshwar Engineering College, BAGALKOT – 587 103</li> </ul>

Date: 30 Aug 2018  
Place: Bagalkot

(R B Math)