Dr. RAMESH M.R.
Associate Professor
Department of Mechanical Engineering
National Institute of Technology Karnataka
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RESUME

❖ CURRENT AREA OF RESEARCH :

Thermal Spray Coatings, Advanced Materials Characterization, Biomaterials, Machining, Wear, Erosion, Oxidation & Hot Corrosion, Severe Plastic Deformation, Castings

❖ ACADEMIC RECORD

➢ **DEGREE** : **Ph.D**
Institution **: Indian Institute of Technology Roorkee, Roorkee.**
Thesis Title : Studies on the Role of HVOF Coatings in Improving Resistance to Hot Corrosion and Erosion
Year of completion : 2008

➢ **POST GRADUATION** : **M.Tech (Mechanical Engineering)**
Specialization : **Manufacturing Science and Engineering**
Institution : M.S. Ramaiah Institute of Technology, Bangalore.
University : Visveswaraiah Technological University.
Year of Passing : February 2002.
Results : **I st class with distinction @ 75.20% aggregate (Secured university third rank)**

➢ **GRADUATION** : **B.E. (Mechanical Engineering)**
Institution : Siddaganga Institute of Technology, Tumkur.
University : Bangalore University.
Year of Passing : Aug. 1999.
Results : **I st class with distinction @ 67.03% aggregate**

➢ **PRE – DEGREE**

- Examination Passed : S.S.L.C.
  Year of Passing : 1993
  Result : **75.20 %**
- Examination Passed : PUC
  Year of Passing : 1995
  Result : **71.16 %**

❖ WORK EXPERIENCE: (present to previous)

➢ Institution : National Institute of Technology Karnataka, Surathkal
Designation : Associate Professor
Duration : May 16, 2018 – Till date

➢ Institution : National Institute of Technology Karnataka, Surathkal
Designation : Assistant Professor
Duration : December 2012 – May 16, 2018

➢ Institution : M.S.Ramaiah Institute of Technology, Bangalore.
Designation : Associate Professor
Duration : April 2011 – December 2012

➢ Institution : Reva Institute of Technology and Management, Bangalore.
Designation : Assistant Professor

Duration : July 2008 – April 2011

- Institution : Nitte Institute of Technology, Bangalore.
  Designation : Assistant Professor
  Duration : September 2002 – July 2003, February 2008 – July 2008

- Institution : Vivekananda Institute of Technology, Bangalore.
  Designation : Lecturer
  Duration : May 2000 – Oct. 2000

❖ RESEARCH PUBLICATIONS/BOOKS:

Journal Publication

1) Bhaskar Manne, Harish Thiruvayapati, Srikanth Bontha, Ramesh M R, Mitun Das, Vamsi Krishna Balla, Surface design of Mg-Zn alloy temporary orthopaedic implants: tailoring wettability and biodegradability using laser surface melting, Surface & Coatings Technology 347 (2018) 337–349
2) Vinay Varghese, M.R. Ramesh and D. Chakradhar, Experimental Investigation And Optmisation Of Machining Parameters For Sustainable Machining, Materials and Manufacturing Processes, Accepted for publication
3) G. K. Manjunath, K. Udaya Bhat, G. V. Preetham Kumar, M. R. Ramesh, Microstructure and Wear Performance of ECAP Processed Cast Al–Zn–Mg Alloys, Trans Indian Inst Met, https://doi.org/10.1007/s12666-018-1328-6
4) Nagaraja C. Reddy, B.S. Ajay Kumar, H.N. Reddappa, M.R. Ramesh, Praveennath G. Koppad, S. Kord, HVOF sprayed Ni3Ti and Ni3Ti+(Cr3C2+20NiCr) coatings: Microstructure, microhardness and oxidation behavior, Journal of Alloys and Compounds, DOI: 10.1016/j.jallcom.2017.11.131, Available online
5) Gajanan Anne, M.R. Ramesh, H. Shivananda Nayaka, Shashi Bhushan Arya, Sandeep Sahu, Development and characteristics of accumulative roll bonded Mg-Zn/ Ce/Al hybrid composite, Journal of Alloys and Compounds, Vol 724, 2017, 146 – 154.
6) Mahantayya Mathapati, M.R. Ramesh, Mrityunjay Doddamani, High temperature erosion behavior of plasma sprayed NiCrAlY/WC-Co/cenosphere coating, Surface and Coatings Technology, Volume 325, 25 September 2017, Pages 98-106
7) Soni, Hargovind; S, Narendranath; M R, Ramesh, An experimental study of influence of wire electro discharge machining parameters on surface integrity of TiNiCo shape memory alloy, Journal of Materials Research, 32(16), 2017,PP3100-3108, https://doi.org/10.1557/jmr.2017.137,
8) Anne, Gajanan; M R, Ramesh; Nayaka, H Shivananda ; Arya, Shashibhushan ; sahu, Sandeep, Development and properties evaluation of Mg-6%Zn/Al multilayered composites processed by accumulative roll bonding, Journal of Materials Research, Volume 32, Issue 12, June 2017, pp. 2249-2257
9) Pratap S. Kulkarni, G. Sharanappa, M. R. Ramesh, N. R. Banapurmath, S. V. Khandal, Experimental investigations of a low heat rejection (LHR) engine powered with Mahua oil methyl ester (MOME) with exhaust gas recirculation (EGR), Biofuels, 2017, http://dx.doi.org/10.1080/17597269.2017.1345356
10) Nithin H.S, Vijay Desai and Ramesh M.R "Elevated Temperature Solid Particle Erosion Performance of Plasma Sprayed Co-based Composite Coatings with Additions of Al2O3 and CeO2" Journal of Materials Engineering and Performance, Available Online, 2017, DOI: 10.1007/s11665-017-2973-3
11) Gajanan Anne, M R Ramesh, H Shivananda Nayaka, Shashi Bhushan Arya, Microstructure evolution, mechanical and corrosion behaviour of accumulative roll bonded Mg-2%Zn/Al-7075 multilayered composite, Journal of Materials Engineering and Performance, 2017, Volume 26, Issue 4, 2017, pp 1726–1734.
12) Bhaskar Manne, Srikanth Bontha, Ramesh M.R, Munishamaiah Krishna, Vamsi Krishna Balla, Solid State Amorphization of Mg-Zn-Ca System via Mechanical Alloying and Characterization, Advanced Powder Technology, Advanced Powder Technology, Volume 28, Issue 1, January 2017, Pages 223-229
13) B.R. Bharath Kumar, Mrityunjay Doddamani, Steven E. Zeltmann, Nikhil Gupta, M.R. Ramesh, Seeram Ramakrishna, Processing of cenosphere/HDPE syntactic foams using an industrial scale polymer injection molding machine, Materials and Design, Volume 92, p414–423, 2016
14) Vaibhav kumar banka, M.R. Ramesh, Thermal Analysis of a Plasma Sprayed Ceramic Coated Diesel Engine Piston, Transactions of the Indian Institute of Metals, February 2018, Volume 71, Issue 2, pp 319–326
15) Somasundaram, B., Jegadeeswaran, N., Madhu, G., Ramesh, M.R, Erosion behaviour of HVOF sprayed (CR3C2-35%NICR) +5%Si coatings, (2017) International Journal of Mechanical Engineering and Technology, 8 (8), pp. 1124-1134.
16) M Eswaran, S Athul, P Niraj, G R Reddy, M R Ramesh, Tuned liquid dampers for multi-storey structure: numerical simulation using a partitioned FSI algorithm and experimental validation, Sādhanā, Volume 42, Issue 4, April 2017, pp 449–465.
17) Pradeep V. Badiger, Vijay Desai, M. R. Ramesh, Development and Characterization of Ti/TiC/TiN Coatings by Cathodic Arc Evaporation Technique, Transactions of the Indian Institute of Metals, 70 (9), 2017, pp. 2459-2464.
18) Gajanan Anne, M R Ramesh, H Shivananda Nayaka, Shashi Bhushan Arya, Investigation of microstructure and mechanical properties of Mg-Zn/Al multilayered composite developed by accumulative roll bonding, Perspectives in Science, Volume 8, p104—106, 2016
19) Nithin H.S, Vijay Desai and Ramesh M.R, An investigation on high temperature erosion behaviour of Plasma sprayed CoCrAlY/Al2O3/YSZ on Fe and Ni based alloys, Pertanika Journal of science and technology, Vol. 25, No. 2, Apr 2017, pp 397 – 406.

20) N. Jegadeeswaran, K. Udaya Bhat and M. R. Ramesh, Improving Hot Corrosion Resistance of Cobalt Based Superalloy (Superco-605) Using HVOF Sprayed Oxide Alloy Powder Coating, Trans Indian Inst Met, Volume 68, 309–316, 2015
21) B. Somasundaram, Ravikiran Kadoli, M.R. Ramesh and C.S. Ramesh, High temperature corrosion behaviour of HVOF sprayed WC-CrC-Ni coatings, Int. J. Surface Science and Engineering, Int. J. Surface Science and Engineering, Vol. 10, No. 4, 2016, p400-413.
22) B.Somasundaram, Ravikiran Kadoli, M.R.Ramesh, Hot corrosion behaviour of HVOF sprayed (Cr3C2-35% NiCr) + 5% Si coatings in the presence of Na2SO4 - 60% V2O5 at 700ºC, Transactions of the Indian Institute of Metals, April 2015, Volume 68, Issue 2, pp 257-268
23) Soni, Hargovind; S, Narendranath; M R, Ramesh, "Effects of WEDM process parameters on machined surface of Ti50Ni49Co1 shape memory alloy", Silicon, Accepted for Publication
24) Nagaraja C. Reddy, B.S. Ajay Kumar, M.R. Ramesh, Praveennath G. Koppad "Microstructure and adhesion strength of Ni3Ti coating prepared by mechanical alloying and HVOF process" The Physics of Metals and Metallography, Accepted for publication, 2017
25) Hargovind Soni**,** Narendranath S. and Ramesh M. R.,"Effect of machining parameters on wire electro discharge machining of shape memory alloys analyzed using Grey entropy method" is published in Journal of material science and mechanical Engineering (JMSME) Vol.2, Issue 13 October-December,2015 p-ISSN:2393-9095 e-ISSN: 2393-9109. And presented in the 10th INTERNATIONAL CONFERENCE on "Advances in Mechanical, Material Science, Manufacturing, Automobile, Aerospace Engineering and Applied Physics" (AMAEAP-2015) at J N U New Delhi India on 07 Nov. 2015.
26) B. Somasundaram, Ravikiran Kadoli, and M.R. Ramesh, Evaluation of Cyclic Oxidation and Hot Corrosion Behavior of HVOF-Sprayed WC-Co/NiCrAlY Coating, Journal of Thermal Spray Technology, August 2014, Volume 23, Issue 6, pp 1000-1008
27) Jegadeeswaran, N., Udaya Bhat, K., Ramesh, M.R., Prakarthi, S, Hot corrosion behaviour of HVOF sprayed Stellite-6 coatings on gas turbine alloys. Transactions of Indian Institute of Metals (Springer), Volume 67, Issue 1, p87-93, 2014
28) M.R. Ramesh, S. Prakash, S.K. Nath, Pawan Kumar Sapra, B. Venkataraman, Solid particle erosion of HVOF sprayed WC-Co/NiCrFeSiB coatings, Wear, Volume 269, p197–205, 2010
29) M.R. Ramesh, S. Prakash, S.K. Nath, Pawan Kumar Sapra, and N. Krishnamurthy, Evaluation of thermocyclic oxidation behavior of HVOF-sprayed NiCrFeSiB coatings on boiler tube steels, Journal of Thermal Spray Technology, Volume 20, Issue 5, p992-1000, 2011
30) N. Krishnamurthy, M. S. Murali, P. G. Mukunda, M. R. Ramesh, Characterization and wear behavior of plasma-sprayed Al2O3and ZrO25CaO coatings on cast iron substrate, J Mater Sci, Volume 45, p850–858, 2010
31) N. Krishnamurthy, M. S. Murali, P. G. Mukunda, M. R. Ramesh, Wear Behavior of Plasma Sprayed Al2O3 Coatings on Cast Iron Substrate, International Journal of Materials Science, Volume 5, Number 2, p157–165, 2010
32) Pawan Kumar Sapra, Surendra Singh, Satya Prakash, M.R. Ramesh, Elevated temperature solid particle erosion performance of Al2O3-3 wt% TiO2 composite coatings, Int. J. Surface Science and Engineering, Volume 4, No. 4/5/6, p360-276, 2010
33) Jegadeeswaran N, Udaya Bhat K, Ramesh M R, Hot Corrosion Studies on As-received and HVOF Sprayed Al2O3+CoCrAlTaY on Ti-31 Alloy in Salt Environment, Procedia Engineering, Volume 64, p1013-1019, 2013
34) N. Jegadeeswaran, M. R. Ramesh, K. Udaya Bhat, Combating Corrosion Degradation of Turbine Materials Using HVOF Sprayed 25% (Cr3C2-25(Ni20Cr)) + NiCrAlY Coating, International Journal of Corrosion, p1-11, 2013
35) B.Somasundaram, Ravikiran Kadoli, M.R. Ramesh, Evaluation of Thermocyclic Oxidation Behavior of HVOF Sprayed (Cr3C2-35% NiCr) + 5% Si Coatings on Boiler Tube Steels, Procedia Materials Science, Volume 5, 2014, Pages 398-407
36) N. Jegadeeswarana, M. R. Ramesh, K. Udaya Bhat, Oxidation Resistance HVOF Sprayed Coating 25% Cr3C2-25(NiCr) + 75%NiCrAlY on Titanium Alloy, Procedia Materials Science, Volume 5, 2014, Pages 11-20
37) S. B. Mishra, Sadhana Sachan, P. K. Mishra, Ramesh M. R, Preparation and characterisation of PPEES-TiO2 composite micro-porous UF membrane for oily water treatment, Procedia Materials Science, Volume 5, 2014, Pages 123-129
38) Nagesh S. N., Siddaraju C, S. V. Prakash, M. R. Ramesh, Characterization of brake pads by variation in composition of friction materials, Procedia Materials Science, Volume 5, 2014, Pages 295-302
39) Shanmukha Priya V, M.R. Ramesh, VPS Naidu, Bearing Health Condition Monitoring: Frequency Domain Analysis, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume.3, 2014, Pages 260-268

Conference proceedings

1. Gajanan Anne, M R Ramesh, H S Shivananda Nayaka, Shashi Bhushan Arya and Sandeep Sahu " Development of Mg-ZN / Al – 1100 Multi- Layered composite by accumulative roll bonding process ", Advances in materials and processing : Challenges and opportunities (AMPCO 2017), Organized by Department of Metallurgical and Materials Engineering, IIT Roorkee. 20th Nov. – 2nd Dec. 2017.
2. Nithin Hiriyalu Shivegowda, Vijay Desai and M R Ramesh "Oxidation and hot corrosion behavior of plasma sprayed Mcraly coating reinforced with chrome carbide", Advances in materials and processing: Challenges and opportunities (AMPCO 2017). Organized by Department of Metallurgical and Materials Engineering, IIT Roorkee. 20th Nov. – 2nd Dec. 2017.

3. Veeresh Nayak Chinnathaypgal, M R Ramesh, Vijay Desai and Sudip Kumar Samanta "Studies on wear characteristics of metal injection molded T15 Tool steel part at different temeratures", Advances in materials and processing: Challenges and opportunities (AMPCO 2017). Organized by Department of Metallurgical and Materials Engineering, IIT Roorkee. 20th Nov. – 2nd Dec. 2017.
4. Pradeep V Badiger, Vijay Desai and M R Ramesh " Performance of DLC coated tool during machining of MDN 431 alloyed steel", Advances in materials and processing: Challenges and opportunities (AMPCO 2017). Organized by Department of Metallurgical and Materials Engineering, IIT Roorkee. 20th Nov. – 2nd Dec. 2017.
5. H.S. Nithin, Vijay Desai, Ramesh M R, Cyclic Oxidation and Hot Corrosion Behaviour of Plasma Sprayed CoCrAlY/WC-Co Coating on Turbine Alloys, International Conference on Metallurgical Coatings and Thin Films, San Diego, CA, USA, April 24-28, 2017
6. P V Badiger , V Desai, M R Ramesh, **Sharnappa Joladarashi**. "Fretting wear behavior of monolayer and multilayer Ti-Based coatings developed on alloy steel." TACT2017 International Thin Films Conference Oct. 15–18, 2015, National Dong Hwa University, Hualien, Taiwan
7. C D Prasad, **Sharnappa Joladarashi**, M R Ramesh , B H Channabasappa."Effect of Intermetallic Laves Phases on Elevated Temperature Wear Behavior of HVOF Sprayed Co-Mo-Cr-Si Coating". TACT2017 International Thin Films Conference Oct. 15–18, 2015, National Dong Hwa University, Hualien, Taiwan
8. Veeresh Nayak C, Ramesh M R, Vijay Desai, Sudip Kumar Samanta "Evaluation of wear behaviour of metal injection moulded nickel base metal matrix composite" got selected for presentation during The Porous and Powder Materials Symposium and Exhibitions, held at Kusadasi, Turkey on 12 -15 th September.
9. Hargovind Soni, Narendranath S, Ramesh M R, Evaluation of wire electro discharge machining characteristics of $Ti_{50}Ni_{45}Co_5$ shape memory alloy, International Conference on precision, meso, micro and nano engineering, Indian institute of Technology Madras, December 07-09, 2017.
10. Gajanan Anne, M R Ramesh, H Shivananda Nayaka, Shashi Bhushan Arya, Investigation of microstructure and mechanical properties of Mg-Zn/Al multilayered composite developed by accumulative roll bonding, International Conference on Recent Trends in Engineering and Material Sciences, Jaipur National University, Jaipur, India, March 17-19, 2016
11. Gajanan Anne, M R Ramesh, H Shivananda Nayaka, Shashi Bhushan Arya, Development and characteristics Mg-2%Zn/anodized Al-7075 composite by accumulative roll bonding, 6th International Engineering Symposium, organized by Graduate School of Science & Technology Kumamoto University, Kumamoto, Japan during Mar 1-3, 2017
12. Gajanan Anne, M R Ramesh, H Shivananda Nayaka, Shashi Bhushan Arya, Microstructure, mechanical and corrosion properties of accumulative roll bonded Mg-2%Zn/anodized Al-7075 composite, International Conference on Emerging Trends in Materials and Manufacturing Engineering, organized by department of Metallurgical and Materials Engineering, NIT Thiruchirapalli, Tamil Nadu, during Mar 10-12, 2017. (Received best paper award)
13. Veeresh Naik, Vijay Desai, M. R. Ramesh, Evaluation of physical properties of WC-CrC- Ni reinforced stainless steel composite prepared by Metal injection Molding, 6th International Engineering Symposium, organized by Graduate School of Science & Technology Kumamoto University, Kumamoto, Japan during Mar 1-3, 2017
14. Ramesh Babu N, Ramesh M R, Kiran Aithal S, Kotgi Kotresh, Effect of Lateral Vibrations during Directional solidification on Mechanical Properties of Al-18%wt Si Alloys, International Conference on Emerging Trends in Materials and Manufacturing Engineering, organized by department of Metallurgical and Materials Engineering, NIT Thiruchirapalli, Tamil Nadu, during Mar 10-12, 2017
15. Veeresh Naik, Vijay Desai, M. R. Ramesh, Fabrication of stainless steel based composite by metal injection moulding, International Conference on Emerging Trends in Materials and Manufacturing Engineering, organized by department of Metallurgical and Materials Engineering, NIT Thiruchirapalli, Tamil Nadu, during Mar 10-12, 2017
16. Mahantayya Mathapati, Ramesh M R and Mrityunjay Doddamani, High Temperature Erosion Behaviour of Plasma Sprayed NiCrAlY-25WC-Co/Cenospheres Composite Coating, 6th International Engineering Symposium, Kumamoto University, Japan, march 1-3, 2017
17. M.R. Ramesh, S. Prakash, S.K. Nath, Mrityunjay Doddamani, Hot Corrosion-Erosion Behaviour of HVOF Sprayed NiCrFeSiB Coatings on Boiler Tube Steels, 4th International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2015
18. Shanmukha Priya V, M.R. Ramesh and VPS Naidu, Bearing Fault Classification Using Support Vector Machines, National conference on health monitoring and fault detection in aerospace systems, Vikram sarabhai space centre, Thiruvananthapuram, May 22-23, 2015
19. Nithin H.S, Vijay Desai and Ramesh M.R, An investigation on high temperature erosion behaviour of Plasma sprayed CoCrAlY/Al2O3/YSZ on Fe and Ni based alloys, International conference on computational methods in engineering and health sciences, University putra malysia, Malysia, December 19-20, 2015
20. Athul Sathyanath, Eswaran M, M.R. Ramesh and G.R. Reddy, Numerical Study On Tuned Liquid Damper For Mitigation Of Structural Response, 42nd National Conference on Fluid Mechanics and Fluid Power, National Institute Of Technology Karnataka Surathkal, December 14-16, 2015
21. Rakesh K Rajan, Srikanth Bontha, Ramesh M R, Srinivasan A, Vamsi Krishna Balla, Shashi Bhushan Arya, Investigation of bio corrosion properties of as cast mg-zn-gd alloy in hank's solution, The 4th International Conference on Advances in Materials & Materials Processing, Department Of Metallurgical And Materials Engineering Indian Institute Of Technology Kharagpur, 5 to 7 Nov, 2016.
22. Rakesh K.R, Srikanth Bontha, Ramesh M.R, Vamsi Krishna Balla, Midhun das, Effect of Laser Processing on Microstructure, Mechanical Properties and Corrosion Resistance on Mg-Zn-Gd Alloy, The Indian Institute Of Metals NMD ATM, BITS, Pilani-K K Birla Goa Campus, November 11 - 14, 2017

23. Hargovind Soni**,** Narendranath S. and Ramesh M. R.,"Effect of machining parameters on wire electro discharge machining of shape memory alloys analyzed using Grey entropy method" is published in Journal of material science and mechanical Engineering (JMSME) Vol.2, Issue 13 October-December,2015 p-ISSN:2393-9095 e-ISSN: 2393-9109. And presented in the 10th INTERNATIONAL CONFERENCE on "Advances in Mechanical, Material Science, Manufacturing, Automobile, Aerospace Engineering and Applied Physics" (AMAEAP-2015) at J N U New Delhi India on 07 Nov. 2015.
24. B.Somasundaram, Ravikiran Kadoli, M.R. Ramesh, Evaluation of Thermocyclic Oxidation Behavior of HVOF Sprayed (Cr3C2-35% NiCr) + 5% Si Coatings on Boiler Tube Steels, Procedia Materials Science, Volume 5, 2014, Pages 398-407
25. N. Jegadeeswarana, M. R. Ramesh, K. Udaya Bhat, Oxidation Resistance HVOF Sprayed Coating 25% Cr3C2-25(NiCr) + 75%NiCrAlY on Titanium Alloy, Procedia Materials Science, Volume 5, 2014, Pages 11-20
26. S. B. Mishra, Sadhana Sachan, P. K. Mishra, Ramesh M. R, Preparation and characterisation of PPEES-TiO2 composite micro-porous UF membrane for oily water treatment, Procedia Materials Science, Volume 5, 2014, Pages 123-129
27. Nagesh S. N., Siddaraju C, S. V. Prakash, M. R. Ramesh, Characterization of brake pads by variation in composition of friction materials, Procedia Materials Science, Volume 5, 2014, Pages 295-302

Book:

Co-authored book titled **"Elements of Mechanical Engineering" –** A text book for I/II semester B.E. of VTU syllabus, Suggi Publishing, Bangalore.

❖ RESEARCH PROJECT:

Principle investigator for the project "Development of HVOF sprayed cermets coatings in improving resistance to hot corrosion and erosion of gas turbine alloys" granted by All India Council for Technical Education during 2013 with funding of Rs 18,10,000

❖ RESEARCH STUDENTS REGESTERED FOR PhD UNDER GUIDANCE:

- **Mr. Jegadeeswaran N. awarded PhD at NITK, Surathkal in the year 2014.**
- **Mr. Somasundar B. awarded PhD at NITK, Surathkal in the year 2015.**
- **Mr. Gajanan Anne awarded PhD at NITK, Surathkal in the year 2017.**
- Mr. Veeresh Nayak Registered for PhD at NITK, Surathkal in the year 2014 (Suprevisor)
- Mr. Nitin Gowda Registered for PhD at NITK, Surathkal in the year 2014 (Co-supervisor)
- Mr. Ramesh Babu N. Registered for PhD at NITK, Surathkal in the year 2013 (Suprevisor)
- Mr. Mahantayya Mathapati Registered for PhD at NITK, Surathkal in the year 2014 (Suprevisor)
- Mr. Thimothy Harold Gonsalves Registered for PhD at NITK, Surathkal in the year 2014 (Co-supervisor)

❖ PERSONAL DETAILS

Father's Name	:	Rangarasaiah M.R.
Date of Birth	:	7th October 1977
Nationality	:	Indian
Gender	:	Male
Marital Status	:	Married
Languages Known	:	Kannada, English & Hindi