


ACADEMIC PROFILE

Name	Dr. Raju Mahadeorao Tayade	
Date of Birth	12th January 1968	
Date of Joining	13th January 1997	
Designation at the time of Joining	Lecturer in Mechanical Engineering	
Current designation	Associate Professor & Head of Mechanical Engineering Department	
Personal Homepage		
Phone (Office)	+(91)(22) 24198200, (O), FAX : +(91)(22) 24198100	
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Email	rmtayade@me.vjti.ac.in, hod_degree@me.vjti.ac.in	
Academic Qualifications		
<ul style="list-style-type: none"> • D.M.E.(Mech. Engg.,1992), • B.E.(Mech. Engg., 1995), • M.E.(Machine Design, 2000) • Ph. D.(Non Traditional Micromachining. 2020), Jadavpur University, Kolkata. 		
Career History		
<ul style="list-style-type: none"> • Teaching : 23 Yrs, Industry :1Yr and Research : 3 Yrs (Total Exp.: 23 Yrs) • Associate Professor, Department of Mechanical Engineering, VJTI, from 2007. • Lecturer, Department of Mechanical Engineering, VJTI, from 1997 		
Areas of Academic Interest		
<ul style="list-style-type: none"> • Non –Traditional micro machining, • Sequential micro-EDM & micro-ECM, • Hybrid Micromachining 		
Membership in Academic Bodies / Board of Studies / Editorial Board (Journals)		
Membership of professional bodies:		
1. Indian Institution of Industrial Engineering		
Major Academic Publications		
Paper Presentations in National / International Journals (In last 5 years)		
<ol style="list-style-type: none"> 1. R. M Tayade, B. Doloi, B.R. Sarkar, B. Bhattacharyya, 2019, “<i>Experimental Investigation into sequential micromachining (SMM)for micro hole drilling on SS-304</i>”,International Journal of Manufacturing, Materials, and Mechanical Engineering Volume 9, Issue 4, October-December 2019. 2. R. M Tayade, B. Doloi, B.R. Sarkar, B. Bhattacharyya, 2019, “<i>Study of Micro-groove Generation on Titanium Alloy (Ti6Al4V) using Novel WEDM and WECM Sequential Electro Micro Machining (SEMM) Technique</i>”, Materials Today: Proceedings 22 (2020) 1638–1644. 		

3. R. M Tayade, B. Doloi, B.R. Sarkar and B. Bhattacharyya, “*Micro-Hole Drilling on Ti6Al4V by Sequential Electro-Micro-Machining (SEMM) Approach*’, Journal of Advanced Manufacturing Systems, Vol. 19, No. 1 (2020) 1–18, World Scientific Publishing, DOI: 10.1142/S0219686720500249.

Paper Presentations in National / International Conferences / Seminars (In last 5 years)

1. R. M Tayade, B. Doloi, B.R. Sarkar, B. Bhattacharyya, paper title, “Study of Sequential Electro Micro Machining (SEMM) System for Enhancing Machining Performance”, presented in International conference, (COPEN 10) International Conference on Precision, Meso, Micro and Nano Engineering, at Indian Institute of Technology Madras, Chennai, during Dec 07 to 09, 2017. ISBN: 978-93-80689-28-9.
2. B. Mallick, R. M Tayade, B.R. Sarkar, B. Doloi, B. Bhattacharyya, paper title, “Effects of process variables on ECDM Performances during Micro-Channel Cutting on Glass”, presented in 6th International & 27th All India Manufacturing Technology, Design and Research (AIMTDR) conference 2016, December 16-18 2016. College of Engineering Pune (COEP), Maharashtra.
3. B. Mallick, R. M Tayade, B.R. Sarkar, B. Doloi, B. Bhattacharyya, “*Electrochemical Discharge Micro-Machining of Glass for Different Types of Micro-Channels*”, presented in International conference, (COPEN 10) International Conference on Precision, Meso, Micro and Nano Engineering, at Indian Institute of Technology Madras, Chennai, during Dec 07 to 09, 2017. ISBN: 978-93-80689-28-9.
4. R. M Tayade, B. Doloi, B.R. Sarkar, B. Bhattacharyya, paper title, “*Investigation into micro-hole drilling on SS-304 by Sequential Electro-Micro Machining (SEMM) process*”, presented in 7th International & 28th All India Manufacturing Technology, Design and Research (AIMTDR) Conference 2018, December 13th-15th 2018, College of Engineering Guindy, Anna University, Chennai, India.
5. R. M Tayade, B. Doloi, B.R. Sarkar, B. Bhattacharyya, “*A State of the art on Sequential Micro-Machining*”, IOP Publishing, (ICAMME 2019) IOP Conf. Series: Materials Science and Engineering **653** (2019) 012026, doi:10.1088/1757-899X/653/1/012026.
6. R. M Tayade, B. Doloi, B.R. Sarkar, B. Bhattacharyya, paper title, “*Generation of micro-groove on SS-304 using micro-WEDM and micro- WECM: a Sequential Electro Micro Machining (SEMM) approach*”. International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019), at Indian Institute of Technology, Indore; (IIT Indore), Madhya Pradesh, India.

Attendance in Conferences / Seminars / Workshops (In last 5 years)

1. AICTE ATAL, one week FDP on topic “Finite Element Analysis for Product Design’, from 30th September 2020 to 04th October 2020.

2. TEQIP- III sponsored one week FDP on “Advances in Smart Manufacturing Technologies (ASMT)”, organized by Production Engineering Dept., VJTI, in association with Govt. Engg. College Ajmer & Govt. Engg. College Gaya from 30th December 2019- 4th January 2020.
3. TEQIP II sponsored, two–day “Tribology Frontiers Workshop”, August 03 – 04, 2016, organized by Mech. Engg. Dept., Indian Institute of Engineering Science & Technology, Shibpur, Howrah.
4. Attended the National Workshop on Machining and Machinability of Advanced Materials (NWMAM-2016) at CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur (West Bengal) during September 29-30, 2016.
5. Three days National Seminar sponsored by TEQIP II, on “Micro-Machining”, organized by MCKV Institute of Engineering, Liluah, Howrah.
6. TEQIP II sponsored, one day National workshop on “ Hybrid Manufacturing Technology” (HMT 2017), on 8th March 2017. Organized by production Engg. Dept., Jadavpur University, Kolkata.
7. TEQIP II sponsored, one day National workshop on “Curriculum Development”, on 9th March 2017. Organized by production Engg. Dept., Jadavpur University, Kolkata.
8. TEQIP II sponsored, two days seminar on “Emerging Challenges in Mechanical Engineering”, on 15th and 16th March 2017. Organized by Mechanical Engg. Dept., Jadavpur University, Kolkata.
9. TEQIP II sponsored, two days seminar on “Emerging Challenges in Mechanical Engineering”, on 15th and 16th March 2017. Organized by Mechanical Engg. Dept., Jadavpur University, Kolkata.
10. One day workshop on “Advanced Machining Processes”, on 22nd March 2017. TEQIP II sponsored, organized by Mechanical Engg. Dept., Jadavpur University, Kolkata.

Participation in Professional Development Programmes (In last 5 years)

Guidance / Supervision of M.Tech & Ph.D. Dissertations

Project Guidance: M. Tech students in VJTI

Completed : 36, ongoing (2020-21): 02

Project Guidance: B. Tech students in VJTI

Completed : 40, ongoing (2020-21): 03

Research Projects Undertaken

Revenue generation (Consultancy/Testing assignments Undertaken) (In last 5 years)

Organization of Academic Conferences / Workshops / Designing Courses (In last 5 years)

Invited Lectures / Chairing / Resource Person / Keynote Address (In last 5 years)

1. Delivered lecture on topic: " Electro-discharge Technology for Advanced Machining." On 9th April 2019.
at Calcutta Institute of Technology, Uluberia, Howrah, West Bengal.