

	Dr. Manik Kishanrao Rodge	
Date of Birth	07/07/1964	
Designation	Associate Professor of Production Engineering	

1. Degrees obtained:

University	Degree	Year	Field of Specialization
Marathwada University, Aurangabad	B.E.	1988	Production Engineering
IIT, Bombay, Mumbai	M.Tech.	1994	Mechanical/Production Engineering
SRTMU, Nanded	Ph.D.	2014	Mechanical/Production Engineering

2. Employment record (starting from present position)

University/College	Designation	Period
S.G.G.S. Institute of Engineering & Technology, Nanded	Associate professor	01/01/2006 to till date
S.G.G.S. Institute of Engineering & Technology, Nanded	Lecturer (Selection Grade)	26/08/1998 to 31/12/2005
S.G.G.S. Institute of Engineering & Technology, Nanded	Lecturer (Senior Scale)	26/08/1994 to 25/08/1998
S.G.G.S. Institute of Engineering & Technology, Nanded	Lecturer in Production Engineering	26/08/1988 to 25/08/1994

3. Other related experience: Research, industrial, etc.: Research in the area of Wire Electrical Discharge Machining of Inconel 625 (a super alloy).

4. Consultancy and Sponsored Research activities:

Year	Organization	Project Title	Amount received Rs.
1999	AICTE, New Delhi Co-investigator, TAPTEC	Laser Material Processing Lab.	13,00,000/-
1999	AICTE, New Delhi Co-coordinator, MODROB	Modernization of CAD/CAM lab.	8,00,000/-
2009	AICTE, New Delhi Principal Investigator, RPS	Wire EDM of difficult-to-machine Materials	9,75,000/-
2016	AICTE, New Delhi Principal Investigator, RPS	Wear Characterization of Electro Discharge Coated Tool Steel	24,70,588/-

5. Publications:

Papers published in Referred Journals	Papers presented in Conferences	Review papers	Books
07	15	Nil	02

(Give the list of publications, with title, names of the author(s), name of the journal, year of publication, etc. with citation index).

6. Fellowship of Academic bodies and Professional Societies: Nil

7. Membership of Scientific and professional Societies:

Senior Life Member of ISTE (LM3008), Life member of IEEE No. SMIIIE 10454 (21)

8. Honors and Awards: Nil

9. No. of Ph.D., M.Phil, M.Tech. Guided: Approximately 50 (M.E/M.Tech.) Mechanical - CAD/CAM and PLM

List of conferences, Short-term Courses etc. participated.

Sr. No.	Title of the course	Institute and sponsorer	Duration in weeks/days	Dates	
				From	To
1.	Product Lifecycle Management	S.G.G.S.C.E. & T., Nanded, QIP/AICTE	One Week	04/02/2019	8/02/2019
2.	Cyber Security	S.G.G.S.C.E. & T., Nanded, QIP/AICTE	One Week	06/03/2018	10/03/2018
3.	Corporate Social Responsibility in the Indian Context	S.G.G.S.C.E. & T., Nanded, TEQIP-II	2 days	20/02/2015	21/02/2015
4.	Train the Trainer	Bharat Forge Ltd., Pune	3 days	05/02/2015	05/02/2015
5.	Best Practices In Outcome Based Design of Curriculum-production Engineering	S.G.G.S.C.E. & T., Nanded, TEQIP-II	1 day	21/08/2014	21/08/2014
6.	National Workshop on Micromanufacturing	Production Engg. Dept., Jadavpur University, Kolkatta	3 days	27/03/2014	29/03/2014
7.	Training and Identification of Master Trainers and Evaluators on Outcome Based Accreditation Process and Parameters	S.G.G.S.C.E. & T., Nanded (A Nodal Center of NBA, Under TEQIP-II)	3 days	21/03/2014	23/03/2014
8.	Modern Manufacturing Technologies	S.G.G.S.C.E. & T., Nanded, TEQIP-II	1 Week	05/03/2014	09/03/2014
9.	FEA and CFD for Engineers	S.G.G.S.C.E. & T., Nanded, TEQIP-II	1 Week	18/03/2013	22/03/2013
10.	Research Methodology: Tools & Techniques	S.G.G.S.C.E. & T., Nanded, TEQIP-II	1 Week	11/03/2013	15/03/2013
11.	Micromachining	I.I.T. Bombay, Mumbai	1 week	02/06/2008	07/06/2008
12.	Applications on HAAS CNC Machine and Control	HAAS Factory outlet, Pune	3 days	15/03/2007	17/03/2007
13.	Cryogenics Engineering	V.J.T.I., Mumbai, CEP	2 days	04/11/2006	05/11/2006
14.	Product Lifecycle Management	S.G.G.S.C.E. & T., Nanded, QIP	3 days	10/03/2006	12/03/2006
15.	Computer Applications in Systems Engineering	S.G.G.S.C.E. & T., Nanded, ISTE	Two weeks	21/05/2001	02/06/2001

16.	Applications of Finite Element Method in Engineering	S.G.G.S.C.E. & T., Nanded, ISTE	One week	05/06/2000	10/06/2000
17.	Computer Integrated Production Managements Systems	N.I.T., Ahmadabad ISTE	Two weeks	06/12/1999	18/06/1999
18.	Industry Institute Partnership	S.G.G.S.C.E. & T., Nanded ISTE	One week	03/03/997	08/03/1997
19.	Safety in metallurgical Industries	S.G.G.S.C.E. & T., Nanded, ISTE	One week	17/06/1996	23/06/1996
20.	Advanced Manufacturing Technology	I.I.T., Chennai DST, New Delhi	Two weeks	03/06/1996	15/06/1996
21.	Microprocessor Applications in Mechanical Engineering	R. E. C., Warangal	Two weeks	23/05/1994	03/06/1994
22.	Strategic Planning and Institutional Development	S.G.G.S. College of Engineering and Technology, Nanded	3 days	30/11/1994	02/12/1994
23.	Impact Engineering	Annamalai University, Annamalainagar	Two weeks	27/05/1991	08/05/1991
24.	Productivity Management	I.I.T., New Delhi	Two weeks	04/12/1989	15/12/1989
25.	CAD in Mechanical Engineering	I.I.T., Madras	Two weeks	03/07/1989	14/07/1989
26.	Engine non-conventional Fuels, Emissions and Trends in Developments	Shri Venkateswara University College of Engineering, Tirupati, ISTE	Two weeks	12/12/1988	24/12/1988

10. **List of conferences, Short-term Courses etc. organized. :**

Sr. No.	Title of the course	Institute and sponsored	Duration in weeks/days	Dates	
				From	To
1.	Product Lifecycle Management	AICTE-QIP	Week	04/02/2019	8/02/2019
2.	Cyber Security	S.G.G.S.C.E. & T., Nanded, QIP/AICTE	One Week	06/03/2018	10/03/2018
3.	Alumni Meet 2015	SGGSIE&T, Nanded and SEAA	2 days	26/12/2015	27/12/2015
4.	International Collaborative program on Sustainable Energy Development Project Design & Management Learning Camp	SGGSIE&T, Nanded and TEQIP-II	8 days	12/01/2014	19/01/2014
5.	International Collaborative program on Sustainable Energy Development Learning Camp	SGGSIE&T, Nanded and TEQIP-II	One Week	16/09/2013	20/09/2013

Publications

Book Publication

- A) Published a book on, "**BASIC THERMODYNAMICS (ISBN 81-86639-09-8)**", on 27th Feb 1997, by Sadhu Sudha Publications, Nanded.
- B) Book on CD ROM: One computer-aided learning package on **Thermal Engineering, 1999**

International Journal Papers:

1. Satish Anande, Amit Chaudhari, **Dr. M.K. Rodge**, "Modification in Design of Cylinder Head Gasket for Reduction in Bore Distortion and to Achieve Optimum Contact Pressure", International Journal of Mechanical Engineering and Technology (IJMET) Volume 7, Issue 5, September–October 2016, pp.278–284.

2. Ms. Shalaka Kulkarni and **Manik Rodge**, "Process parameter optimization I WEDM of HCHCR steel using Taguchi method and Utility concept", International Journal of Mechanical Engineering and Technology (IJMET), Volume 5, Issue 1, January (2014), pp. 57-67.
3. Shrikant Baliram Pokale, Sawan Sakharam Borul and **M. K. Rodge**, "Client Side Customization for Checking User Rights in Teamcenter-PLM", International Journal of Applied Information Systems (IJ AIS), Foundation of Computer Science FCS, New York, USA, Volume 5, No. 10, August 2013.
4. **Rodge M. K**, Sarpate S. S, Sharma S. B, "Investigation on process response and parameters in wire electrical discharge machining of Inconel 625", International Journal of Mechanical Engineering and Technology (IJMET), Volume 4, Issue 1, January- February (2013), pp. 54-65.
5. Miss Swati D. Lahane, **Manik K. Rodge** and Dr, Sunil B Sharma, "Multi-response optimization of Wire-EDM process using principal component analysis", IOSR Journal of Engineering, ISSN:2250-3021 Volume 2, Issue 8 (August 2012), PP 38-47.

National Journal Papers:

1. Shilpa N. Bahadure, **M. K. Rodge**, "Multi-objective Optimization of CNC Turning of AISI 316 N Steel Using Utility Concept", Industrial Engineering Journal, Volume VIII, Issue No. 12, Dec 2015, page 12-15, ISSN 0970-2555.
2. Nakul M. Kodarkar, Abhay S. Gore and **M. K. Rodge**, "ANSYS analysis of limiters for Aditya Tokamk", a research report at IPR library, Bhat, Gandhinagar (India) IPR/RR/-541/2012, Feb 2012.

International Conferences

1. **M. K. Rodge** and Aniruddha Narayanrao Sadhu, "Automotive Part Cost Reduction in Engineering Change Management Process Using Value Engineering and CORDYS BOP 4.3", International Conference on Advanced and Agile Manufacturing and Agile Software Development (ICAM-ASD2016), 06 07 Oct 2016, pp 352-357 at SGGSI&T, Nanded, India.
2. R.S. Kamble and **M. K. Rodge**, "Simple Genetic algorithm for Multi-Objective Optimization of WEDM Process Parameters", International Conference on Advanced and Agile Manufacturing and Agile Software Development (ICAM-ASD2016), 06-07 Oct 2016, pp 333-339 at SGGSI&T, Nanded, India.
3. Sumitkumar S. Rathore, **M. K. Rodge** and R.V. Sarwadyna, "Energy Resource Structure in Maharashtra and India: A Review", International Conference on Recent Advances in Mechanical Engineering (ICRAME-2015), Sponsored by Savitribai Phule Pune University (BCUD-Quality

Improvement Program) at G.H. Rasoni College of Engineering & Management, Pune, 26-28, Feb 2015.

4. Sinkar M. D. and **Rodge M. K.**, "CAPP: A Feature Based Modelling Approach", International Conference on Trends and Innovations in Precision Engineering Technologies, 18 – 20 Nov 1997, Taipei, Taiwan, ROC.
5. **Manik K. Rodge**, Satyajit G. Rajput and Harish M. Soni "Computer Aided Design and Manufacturing of Tractrix Dies", International Conference on Precision Engineering, Nov 22-23, 1995, page 239-242, World Trade Center, Singapore.

National Conferences

1. **M. K. Rodge**, Gajjal S. Y. and Quazi T. Z "Computer Aided Process Planning for Prismatic Components", National Seminar on Modern methods for Economic and Quality Production (sponsored by AICTE, New Delhi), Feb 10 –11, 2001 at Gramin Polytechnic, Vishnupuri, Nanded.
2. Sayad Ashfac S. V. Ali, **M. K. Rodge**, Shaikh Afzaluddin and S. A. H. Qadri, "Optimization of Machining Parameters for Single Pass Turning Operation by Using Goal Programming", National Seminar on Modern methods for Economic and Quality Production (sponsored by AICTE, New Delhi), Feb 10 –11, 2001 at Gramin Polytechnic, Vishnupuri, Nanded .
3. **Rodge M. K.** and A. S. Deshpande, "Modern Techniques in Deep Drawing", IX ISME Conference on Mechanical Engineering, Nov 10 – 11, 1994 at Dept. of Mechanical and Industrial Engineering, University of Roorkee, Roorkee.
4. **M. K. Rodge**, L. M. Waghmare and B. M. Patre, "Scope of Industrial Engineering in Entrepreneurship", National Seminar on Role and Responsibilities of Technical Education Institute in Innovation and Entrepreneurship, Jan 20 –21, 1990 at SGGSCOE&T, Nanded.
5. R Kabilan and **M. K. Rodge**, "How to Promote Farming Entrepreneurship in Backward Areas", ISTE National seminar on Technical Entrepreneurship, March 12 – 13, 1994, at SGGSCOE&T, Nanded.
6. R. B. Mane, **M. K. Rodge** and S. B. Sharma, "Optimization of Process parameters of WEDM of Aluminium", First National conference on Product Engineering (NCPE 2010), Dec 3-4, 2010, 94-97 at SGGSE&T, Nanded.
7. R. K. Rao, S. P. Sharma, S. D. Lahane, R. S. Bagul, **M. K. Rodge** and S. B. Sharma, "Study of Effect of process parameters on the wire wear during machining of Aluminium", First National conference on Product Engineering (NCPE 2010), Dec 3-4, 2010, 106-109 at SGGSE&T, Nanded.

8. R. S. Kamble, S. S. Sarpate, **M. K. Rodge** and S. B. Sharma, "Research status of Wire Electrical Discharge Machining Process", First National conference on Product Engineering (NCPE 2010), Dec 3-4, 2010, 126-132 at SGGSIET, Nanded.
9. Patil U. V. and **Prof. M. K. Rodge**, "Optimising heating process of loads within vacuum heat treatment furnace using fluent 6.1", 3rd National Conference on Global Technologies in Manufacturing and Thermal Sciences, GTMTS 2010, Sethu Institute of Technology, Virudhunagar Dist., Tamilnadu, India, 14-21.
10. S. R. Ghante, N. M. Khandre and **M. K. Rodge**, "Numerical Analysis and Simulation of Stampings in Sheet Metal", National Conference on Emerging trends in Productivity (ETP2014), 10-11 Jan 2014, SGGSIET Nanded (India).

Important Academic and Corporate Activities

1. Presently working as Head of Mechanical Engineering Department from 15 March 2017 till date
2. Worked as head of Workshop Department for four years.
3. Chairman, Board of studies (BOS) for UG and PG at Mechanical Engineering Dept., SGGSIET, Nanded and member for BOS of UG and PG at Production Engineering Dept., SGGSIET, Nanded.
4. Acting as a Principal Investigator of "Wear Characterization of Electro Discharge Coated Tool Steel" a RPS project sponsored by AICTE, New Delhi for Rs. 24,70,588/-
5. Acted as a member of Organizing Committee of International Conference on "Advanced and Agile Manufacturing and Agile Software Development" held at SGGSIET, Nanded during 6-8 Oct 2016.
6. Worked as Principal Investigator for RPS project sanctioned by AICTE, New Delhi, "Wire EDM of difficult-to-machine Materials" during 2009-2012. The project is successfully implemented at Production Engineering Dept. at the institute.
7. Acted as Co-coordinator of TAPTEC DCA project on "Laser Material Processing Lab.". The project is sanctioned to the Production Engineering Dept. in March 1999. Successfully implemented the project.
8. Actively involved in preparing the MODROB DCA proposal on "Modernization of CAD/CAM Lab." The project is sanctioned to the Production Engineering Dept. in March 1999. Successfully implemented the project.
9. My PhD is outcome of the RPS project of AICTE, New Delhi.

10. Worked as Event Coordinator of Alumni Meet 2015 held on Dec 26-27, 2015.
11. Acted as a chairman for Distribution of Sadbhavana Scholarship to economically weaker students of SGGSI&T, Nanded for the academic year 2016-2017.
12. Faculty coordinator for VIBRANT SGGGS during academic year 2015-2016.
13. Committee member of write off the old equipments and devices for SGGSI&T, Nanded.
14. Coordinator of In-plant Training and Project for B.Tech Production from 2012.
15. Acted as PG coordinator, M.Tech (Mechanical CAD/CAM) course in Production Engineering Dept. for academic year 2012-2013 and 2013-2014.
16. Acted as Vehicle Incharge for SGGSI&T, Nanded for two years during 1989 to 1991
17. Contributed in restructuring of UG and PG syllabus for Mechanical and Production Engineering at SRTMU, Nanded.
18. Member in M.E/M.Tech. (Mechanical CAD/CAM) admission committee.
19. University recognized post graduate teacher.
20. Acted as member of Central Admission Committee for First Year Engineering under SRTMU, Nanded and Dr. BAMU, Aurangabad.
21. Actively involved for starting a PG Course in Mechanical – CAD/CAM at Production Engineering Dept during 1995-1996.
22. Acted as Chief Superintendent and Understudy for SRTMU, Nanded Examinations.
23. Acted as Magazine Incharge of reputed Institute magazine “**DRISHTI 2007**”.
24. Acted as a member of SRTMU, Nanded, Examination Squad for May/June 2004 Examinations.
25. Acted as Time table Incharge for the department for three years.
26. Developed the Thermal Engineering Laboratory, Laser Processing Laboratory, CAM Laboratory.
27. Executive Body Member of SGGGS credit cooperative society for five years, Nanded.
28. Faculty Advisor for child education and rural development event of Pragya 2008.
29. Worked as examiner and moderator for paper assessment for SRTM University Nanded (MS).
30. Syllabus setting for UG / PG courses.
31. Examiner for CCC level course of DOEACC.
32. Worked as term work in charge, practical examination coordinator, time table in charge, class coordinator, project and seminar coordinator and industrial visits in charge at department level.
33. Worked in students’ gathering committees.

34. Worked for centre of excellence at department level.
35. Worked as an active member for NBA accreditation of Production Engineering Department for two times for UG and one time for PG in CAD/CAM and accreditation granted.
36. Acted as Chairman: Canteen Committee for SGGSI&T, Nanded for 3 years

CONFERENCES ATTENDED

Sr. No.	Conference / Seminar	Organizer and Place	Duration	
			From	To
1.	8 th Virtual Product Development Conference	At Pune by MSC software	21/10/2005	21/10/2005
2.	Development of Technical Entrepreneurship	SGGSCE&T Nanded	16/06/1997	17/06/1997
3.	Role and Responsibility of Technical Education Institutes in Innovation and Entrepreneurship	SGGSCE&T Nanded	20/01/1990	21/01/1990
4.	First National Conference on PRODUCT ENGINEERING (NCPE2010)	SGGSCE&T Nanded	03/12/2010	04/12/2010

Workshop Organized

Sr. No.	Name of Workshop	Institute	Duration	
			From	To
1.	One Day workshop on 'Energy Conservation'	SGGSIE&T, Nanded	19/11/2012	19/11/2012

Professional Membership

Name and Address of Organization	Category of Membership
Indian Society For Technical Education, New Delhi	Life Membership No. L3008

Indian Institution of Industrial Engineering

Senior member:Life Membership No.
SMIE 10454 (21)