

RESUME

Personal Information:

Name : SANJAY RAMCHANDRA KUMBHAR

Date of Birth : 1st May 1972

Permanent Address:

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 “Matoshri”, Near Ashta Naka, Opp. Dhondiram Maharaj Temple,
 Behind Axis Bank, **Urun Islampur**, Tal. Walwa, Dist. Sangli.
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Office Address:

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 Automobile Engineering Department
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Educational Qualification:

- Registered for **Ph.D.(Mech.)** at Indira Gandhi National Open University (IGNOU), New Delhi. (Enrollment No. 122877658) - January 2012 (Part Time)
Title of Research Work: Theoretical and Experimental Investigation of Controlling Structure-Borne Noise and Vibrations in Automobile Using Magnetorheological Elastomers
Research Supervisors:
 - i) Dr. Subhasis Maji (Internal), Director, SOET, IGNOU, New Delhi
 - ii) Dr. Bimlesh Kumar (External), Principal, J.T. Mahajan College of Engg., Faizpur
 - **M.E. (Mech.) Design Engg.;** Shivaji University, Kolhapur; Dec. 2008; 73.71 %; Ist Class with Distinction
 - **A.M.I.E.* (Mech.);** The Institution of Engineers (India), Kolkata; Summer 1997 (Sect.-A); Winter 2000 (Sect.- B); Pass
 - **D.T.T.;** Technical Teachers Training Institute (TTTI), Bhopal; July 1993; 78.82 %; B Grade
 - **D.A.E.;** College of Engg. & Poly., Sakharale; March 1991; 65.00 %; Ist Class
 - **A.M.I.A.E. **;** The Institution of Automotive Engineers, Chennai; June 1996; 55.80 %; IInd Class
 - **S.S.C.;** Yeshwant High School, Islampur; March 1988; 82.42 %; Ist Class with Distinction
- [* Upgraded to ‘MIE’ in Feb. 2010; ** Upgraded to ‘MIAE’ in March 2003]

Experience (Teaching & Non-Teaching):

Sr. No.	Institute	Designation	Status	Pay Scale	Duration		Total Years
					From	To	
01	R.I.T., Sakharale	Assistant Professor	(University Selection)	15600-39100	15/12/09	Till date	
02	R.I.T., Sakharale	Lecturer	Temporary	8000-275-13500	01/03/07	14/12/09	2 Years 8 Months
03	R.I.T., Sakharale	Senior Lab. Technician	Permanent	5000-150-8000	01/06/01	28/02/07	5 Years
04	R.I.T., Sakharale	Skilled Assistant	Permanent	4500-125-7000	11/10/91	31/05/01	9.5 Years

Present Responsibilities:

- Assistant Professor in Auto. Engg. Dept., R.I.T., Sakharale
- Department NBA Coordinator
- Laboratory In charge - Automobile Power Plant
- Department Website In charge

Subjects Taught:**A) Diploma; D.A.E. and D.M.E.**

1. Automobile Engines – I
2. Thermal Engineering
3. Automobile Engines – II
4. Transport Management & Motor Industry, Automobile Chassis
5. Vehicle Maintenance & Garage Practice

B) Undergraduate (UG) B.E. (Auto.):

1. Applied Thermodynamics,
2. Automobile Engines
3. Automotive Electronics
4. Transport Management
5. Machine Tools

C) YCMOU, Nashik; B.Tech. (Mech.)

1. Automobile Engineering – II (TML102)
2. Automobile Engineering – I (TML101)
3. Basic Thermodynamics (TML072)

C) YCMOU, Nashik; Certificate Courses

1. Two Wheeler Mechanic

Invited and Expert Lectures:

- “**Magnetorheological Elastomer and Its Applications**”, at Two Days Workshop on “**Smart Materials: Advanced Research and Technology**”, organized under Shivaji University Lead College Scheme, during 22-23 March 2013, organized by Dept. of Mechanical Engg., R.I.T., Sakharale.
- “**Morse Test on Multi-cylinder Engine**”, at Two Days Workshop on “**Enhancing Skills for laboratory Practicals in the Subject I. C. Engine**”, organized under Shivaji University Lead College Scheme, during 4-5 Jan. 2013, organized by Dept. of Automobile Engg., R.I.T., Sakharale.
- “**Test on Computer Controlled I. C. Engine**”, at Two Days Workshop on “**Enhancing Skills for laboratory Practicals in the Subject I. C. Engine**”, organized under Shivaji University Lead College Scheme, during 4-5 Jan. 2013, organized by Dept. of Auto. Engg., R.I.T., Sakharale.
- “**Steam Nozzles and Steam Turbines**”, for S.E. (Mech. And Auto.) students at Annasaheb Dange College of Engineering and Technology (ADCET), Ashta, on 10th October, 2012.
- “**Engineers Day**”, at Manajiraje Bhosale Technical Campus (MBTC), Islampur on 15th September, 2012.
- “**Research Opportunities in Automotive Engineering**”, at One Week Faculty Development Programme Under TEQIP on “**Automotive Engineering: Advances and Research Opportunities**” organized by R.I.T., during 18 – 22 June 2012, on 19th June, 2012.
- “**M.P.F.I. System**”, at Nanasaheb Mahadik Polytechnic, Peth, Dist. Sangli on 17th October, 2011.
- “**Engineers Day**”, at K.B.P. College, Islampur on 15th September, 2011.
- “**Performance & Testing of I.C. Engines**”, at K J College of Engg. & Management Research, Pisoli, Pune on 9th April, 2011.
- “**Fluid Turbomachinery**”, SVERI’s College of Engg., Pandharpur, 01st, 07th & 08th Oct. 2006.
- One Day Workshop for “**Fitter Trade**” workers of Rajarambapu Sahakari Sakhar Karkhana Ltd., Rajaramnagar on 30th August, 2001.
- “**Motor Vehicle Act**” on 29th September, 2001 Seminar during Quality Circle Programme of R.I.T., Sakharale.
- “**Educational Opportunities after 10th & 12th Class**” at Nehru High School, Tandulwadi, Dist. Sangli on 14th February, 1997.
- “**Transport Management & Motor Industry**”, for MPSC RTO Exam. 2005; Sept./Oct. 2005 organized by SAVE Foundation, Sangli.

Extra Examination Activities:

- Worked as “**External Theory & Practical Examiners**” for Diploma Course (Automobile Engineering) Examinations conducted by MSBTE, Mumbai.
- Worked as “**Item Writer**” of Maharashtra Public Service Commission Examination (**MPSC Examination**), Maharashtra State.

Awards Won:

- **Performance Award 2011-12**, Instituted by Rajarambapu Institute of Technology, Sakharale.
- **Performance Award 2010-11**, Instituted by Rajarambapu Institute of Technology, Sakharale.
- **Consolation Prize** at Annual Presentation on Best Practices Activity held at R.I.T., Sakharale on 3rd May, 2010. Group Name – “The Chargers”, Worked as ‘Vice-Chairman’ of the group.
- **First Prize** for the paper entitled “Engineering Technologies for Rural Development - Local Energy Generation (Biogas System)”, presented at All India Technicians’/Students’ Seminar held on 30.10.99 during IEI Convocation & Seventh Technicians’/Students’ Convention at & Convocations held at The Institution of Engineers (India), Pune Local Center, Pune.
- **First Prize** for the paper entitled “Energy & Sustainable Development: Emerging Challenges for Young Engineers”, presented at All India Technicians’/Students’ Seminar held on 01.11.98 during IEI Convocation & Sixth Technicians’/Students’ Convention at & Convocations held at The Institution of Engineers (India), Kolkata.

Membership of Professional Societies/Bodies:

1. The Institution of Engineers (India), Kolkata, Chartered Engineer, 2012
2. The Institution of Engineers (India), Kolkata, Member, M-140742-7
3. Indian Society for Technical Education (ISTE), New Delhi, Life Member, LM-26717
4. Solar Energy Society for India (SESI), New Delhi, Life Member, 1036/LM/03
5. The Combustion Institute (Indian Section), I.I.T. Chennai, Life Member, LMC-806
6. International Association of Engineers (IAENG), Hong-Kong, Member, 105526
7. Indian Institution of Production Engineers (IIPE), Bangalore, Member, W/M/0839
8. The Institution of Automotive Engineers (IAE), Chennai, Member, ME/3240
9. The Institution of Motor Industries (IMI), Chennai, Member, MEI/5581
10. International Society for Mechanical & Automobile Engineers (ISMAE), Member
11. International Association of Engineers and Scientists (IAEST), Member, 01304874
12. The Automobile Society (India), Member, MSMH001

Participation with Professional Societies/Bodies:

1. **Member Secretary (Maharashtra State)** – Automobile Society (India), The Institution of Automobile Engineers (India), New Delhi.
(<http://automobilesociety.ac.in/People-On-Board/>)
2. **Member, Academic Council**, Automobile Society (India), New Delhi.
(<http://automobilesociety.ac.in/academic-council/>)
3. **Editorial Board Member- International Journal of Automotive Engineering and Technologies (IJAET)**, ISSN 2146 - 9067, Published from **Turkey**. An Open Access, blind peer reviewed and journal indexed by IndexCopernicus, GetCITED, ScienceCentral, ojs, and scholar google.
(<http://www.academicpaper.org/index.php/IJAET/about/editorialTeam.>)
4. **Reviewer - International Journal of Automotive Engineering and Technologies (IJAET)**, ISSN 2146 - 9067, Published from **Turkey**. An Open Access, blind peer reviewed and journal indexed by IndexCopernicus, GetCITED, ScienceCentral, ojs, and scholar google. (Till Today Reviewed Number of Papers **01**)

PG Projects Guiding (01)

1. Swapnil M. Raut, “Development of Magnetorheological Elastomer (MRE) Bushing used for Road Vehicle Suspension System”; 2012-13; Co-Guide.

UG Projects Guided (06)

1. Comparative Study of Rubber and MRE Bushing Characteristics (2012-13)
2. Fabrication of MRE Bushing and Its Dynamic Testing (2012-13)
3. Auto-Pneumatic Single Plate Centrifugal Clutch (2011-12)
4. Development and Dynamic Response Analysis of MRE (2011-12)
5. Cone Ring Traction Drive - CVT (2010-11)
6. Theoretical and Experimental Analysis of Double Hooke’s Joint (2010-11)

Conferences / Seminar / Workshops / STTP's Attended:

A) International Conferences / Seminars: 04

Sr. No.	Name of Conference / Summer – Winter School	Host Institute	Duration	No. of Days
1.	Third Asian Conference on Mechanics Of Functional Materials And Structures(ACMFMS 2012)	Indian Institute of Technology, New Delhi	5 th – 8 th Dec., 2012	04
2.	International Conference on “Advances in Mechanical Engineering” (ICAME-2010)	S.V.N.I.T., Surat	4 th – 6 th Jan. 2010	03
3.	International Conference on “Advances in Mechanical Engineering” (ICAME-2008)	S.V.N.I.T., Surat	15 th – 17 th Dec. 2008	03
4.	International Workshop on “Assessing & Teaching for Learning in Outcomes-based Engineering Curricula”	R.I.T., Sakharale with Empowered Learning International, Austria	24 th – 27 th Dec. 2006	04

B) National Conferences / Seminars: 27

Sr. No.	Name of Conference / Summer – Winter School	Host Institute	Duration	No. of Days
1.	One Day Workshop on “ Role of Basic Sciences and Humanities in Engineering ” (Under Lead College Scheme, Shivaji University, Kolhapur)	Dept. of Sciences & Humanities, R.I.T., Sakharale	24 th Dec. 2012	01
2.	2-Week ISTE Workshop on “ Engineering Thermodynamics ”	IIT Bombay + RIT Sakharale	11 th – 21 st Dec. 2012	10
3.	One Day Shivaji University, Kolhapur Approved Workshop on “ New Trends in Curriculum Development ”	R.I.T., Sakharale	10 th Aug. 2012	01
4.	ISTE Mission10X Workshop (Faculty Empowerment Programme)	R.I.T., Sakharale with Wipro.	21 st – 25 th Nov. 2011	05
5.	Workshop on “ High Impact Teaching Skills ”	R.I.T., Sakharale with Wipro and Dale Carnegie Training.	21 st & 22 nd Nov. 2011	02
6.	Workshop on “ Curriculum Development for M.E. Automobile Engineering (PG) ”	Dept. of Auto. Engg., R.I.T., Sakharale	23 rd Sept. 2011	01
7.	ISTE Approved STTP on “ Effective Teaching – Outcome Based learning in Engineering Education ”	Dept. of Auto. Engg., R.I.T., Sakharale along with IUCEE Regional	27 th June – 1 st July 2011	05

		Centre, Islampur		
8.	Two Day Workshop on “ Configuring & using learning Management System: MOODLE ”.	Dept. of I.T., R.I.T., Sakharale	20 th – 21 st Dec. 2010	02
9.	ISTE Approved STTP on “ Advances in Engine & Vehicle Dynamics ”	Dept. of Auto. Engg., R.I.T., Sakharale	28 th June – 2 nd July 2010	05
10.	AICTE sponsored STTP on “ Advanced Engg. Optimization through Intelligent Techniques ”	S.V.N.I.T., Surat	14 th – 18 th Dec. 2009	05
11.	National Conference on “ Recent Advances in Product & Process Design ” (Under TEQIP)	Dept. of Mech. Engg., R.I.T., Sakharale	21 st & 22 nd March 2009	02
12.	One Day Workshop on “ Teaching Methodology for S.E.(Mech.) Part I & II ”	D.Y. Patil College of Engg., Kolhapur	02 nd Aug. 2008	01
13.	Three Days Workshop on “ Developing Teaching Competencies ”	Consortium of Engg. Education in Shivaji University Area & ISTE-RIT Chapter, Sakharale	18 th – 20 th Dec. 2007	03
14.	TEQIP sponsored 5 Days Training program on “ Attitudinal Change ”	R.I.T., Sakharale	21 st – 25 th Aug. 2006	05
15.	TEQIP sponsored One Day Workshop on “ Welding Processes & Applications ”	Dept. of Mech. Engg., R.I.T., Sakharale	29 th July 2006	01
16.	TEQIP sponsored Two Days Workshop on “ Automotive Emission Control Technologies ”	Dept. of Auto. Engg., R.I.T., Sakharale	29 th – 30 th June 2006	02
17.	Two Days Workshop on “ Skill Enhancement ”	R.I.T., Sakharale, DTE & Indira Inst. of Mgt., Pune	23 rd – 24 th June 2006	02
18.	Workshop on “ Curriculum Development for Automobile Engineering ”	Dept. of Auto. Engg., R.I.T., Sakharale	30 th Sept. – 01 st Oct. 2004	02
19.	AICTE New Delhi sponsored National Conference on “ Recent Trends in CAD/CAM/CAE ”	Dept. of Mech. Engg., R.I.T., Sakharale	21 st – 23 rd June 2004	03
20.	Shivaji University Kolhapur sponsored National Seminar on “ Alternative Fuels for Automobiles ”	Dept. of Auto. Engg., R.I.T., Sakharale	13 th Feb. 2004	01
21.	Workshop on “ Curriculum Development for Automobile Engineering ”	Dept. of Auto. Engg., R.I.T., Sakharale	02 nd – 03 rd Jan. 2004	02
22.	AICTE – ISTE New Delhi Sponsored Short Term Training Programme on “ Modern Trends in Automobiles ”	Dept. of Auto. Engg., R.I.T., Sakharale	23 rd June – 04 th July 2003	12
23.	Shivaji University, Kolhapur and ISTE Sponsored One Day Workshop	Dept. of Auto. Engg., R.I.T., Sakharale	15 th March 2003	01

	on “ Road Safety and Security ”			
24.	AICTE New Delhi Sponsored National Seminar on “ Modern Trends in Automobiles ” (NSMTA 2002)	Dept. of Auto. Engg., R.I.T., Sakharale	1 st – 2 nd Aug. 2002	02
25.	AICTE New Delhi Sponsored National Conference on “ Energy Conservation & Management ” (NCECM 2001)	Dept. of Mech. Engg., R.I.T., Sakharale	11 th – 13 th June 2001	03
26.	Three Days Workshop on “ Industry – Institute Partnership ”	Dr. J.J. Magdum College of Engg., Jaysingpur	3 rd – 5 th Jan. 2001	03
27.	Two Days National Symposium on “ Future Trends in Refrigeration Technology ”	Dept. of Mech. Engg., Walchand College of Engg., Sangli	24 th – 25 th Jan. 1998	02

Books/Papers Published:

A) Books: 03

1. S. R. Kumbhar, S. S. Gawade, Bimlesh Kumar, “**Electrorheological Fluid Damper for Road Vehicle Suspension System**”, LAP Lambert Academic Publishing, Academic Publishing, Germany, **ISBN No. 978-3-659-19950-9**, Year - 2012.
2. S. R. Kumbhar, S. T. Satpute, S. D. Yadav, “**I. C. Engine Testing – Laboratory Experiments**”, LAP Lambert Academic Publishing, Academic Publishing, Germany, **ISBN No. 978-3-659-20650-4**, Year - 2012.
3. S. R. Kumbhar, S. D. Yadav, K. D. Sapate, “**Transport Management & Motor Industry**”, Nirali Prakashan, Pune, December 2003.

B) Papers : 27

a) International Journal: 08

1. N. M. Patil, S. S. Gawade, S. R. Kumbhar, “*Experimental Evaluation of Performance of Magnetorheological Elastomers Bushes*”, International Journal of Mechanical Engineering (**IJME**), ISSN(Print):2319-2240; ISSN(Online): 2319-2259; International Academy of Science, Engineering and Technology (**IASET**), Vol.2, Issue 1, Feb. 2013, pp. 59-64. (**Impact Factor - JCC: 0.7293**)
2. S. R. Kumbhar, Subhasis Maji, Bimlesh Kumar, “*Dynamic Characterization of Magnetorheological Elastomers under Compressive Loading*”, International Journal of Mechanical Engineering (**IJME**), ISSN(Print):2319-2240; ISSN(Online): 2319-2259; International Academy of Science, Engineering and Technology (**IASET**), Vol.1, Issue 2, Nov. 2012, pp. 37-40. (**Impact Factor - JCC: 0.7293**)
3. S. R. Kumbhar, Subhasis Maji, Bimlesh Kumar, “*Fabrication and Response Analysis of Magnetorheological Elastomer*”, Material Science Research India (**MSRI**), An International Peer Reviewed Research Journal, Vol. 9 No. 1, June 2012. pp. 111-116.
4. S. R. Kumbhar, Dr. Bimlesh Kumar, “*MRE Bushings – Revolutionary Advances in the Design of Vehicle Suspension System*”, International Journal of Innovations In Mechanical & Automobile Engineering (**IJIMAE**), ISSN 2249-2968, Sept. 2011, Issue 1, Vol. 1. pp. 23-26.
5. Y. S. Patil, S. R. Kumbhar, S. S. Gawade, “*Characterization and Response Analysis of Magnetorheological Elastomer*”, International Journal of Engineering Sciences Research (**IJESR**), ISSN 2230-8504, e-ISSN 2230-8512, Vol 2, Issue 03, July 2011, Technical Publications. pp. 250 - 255
6. S. R. Kumbhar, Dr. S. S. Sarawade, Dr. Bimlesh Kumar, “*Structure-borne Noise & Vibrations in Automobiles – An Overview*”, International Journal of Engineering Research and Industrial Applications (**IJERIA**), ISSN 0974 1518, Vol. 3, No. II, May 2010, pp. 431-443.

7. S. R. Kumbhar, S. S. Gawade, Dr. Bimlesh Kumar, “*Theoretical & Experimental Evaluation of Damping Characteristics of Electrorheological Fluid Damper*”, International Journal on Mechanical & Automobile Engineering (IJMAE), ISSN 0974 0231X, Fall Edition, Volume 04, No.5, June 2009 – August 2009, pp. 17-22.
8. S. S. Gawade, Dr. Bimlesh Kumar, S. R. Kumbhar, “*Theoretical & Experimental Analysis of Quarter Car Model Using ER Fluid Damper*”, International Journal of Emerging Technologies & Applications in Engineering, Technology & Sciences (IJ-ETA-ETS), ISSN:0974-3588, July’09 – Dec.’09, Volume 2, Issue 2, pp. 38 to 44.

b) International Conferences: 04

1. S. R. Kumbhar, Subhasis Maji, Bimlesh Kumar, “*Dynamic Mechanical Analysis of Magnetorheological Elastomer*”, IEEE International Conference on Energy Efficient Technologies for Sustainability (ICEETS’13), St. Xavier’s Catholic College of Engineering, Chunkankadai, Nagercoil, Tamilnadu, India – 629003, 10-12 April, 2013. <http://ieeexplore.ieee.org>
2. S. R. Kumbhar, Subhasis Maji, Bimlesh Kumar, “*Magnetorheological Elastomers: Preparation and Dynamic Response Analysis*”, Proceedings of ACMFMS 2012, Mechanics of Functional Materials and Structures, ISBN No. 978-81-8487-248-4, Editors: Santosh Kapuria, S. Pradyumna, Narosa Publishing House, pp. 236-239. Third Asian Conference On Mechanics Of Functional Materials And Structures, organized by Indian Institute of Technology, New Delhi, 5 – 8 December, 2012.
3. S. R. Kumbhar, Dr. S. S. Sarawade, Dr. Bimlesh Kumar, “*Magnetorheological Elastomers – Properties, Performance & Application Development*”, Proceedings of International Conference on Advances in Mechanical Engineering (ICAME-2010), organized by S.V.N.I.T., Surat on 4th – 6th Jan. 2010, pp. 598- 602.
4. S. R. Kumbhar, S. S. Gawade, Dr. Bimlesh Kumar, “*Design, Development & Testing of Electrorheological Fluid Damper for Road Vehicle Suspension System*”, Proceedings of International Conference on Advances in Mechanical Engineering (ICAME-2008), organized by S.V.N.I.T., Surat on 15th – 17th Dec. 2008, pp. 456-460.

c) National Seminars/Conferences: 15

1. Yogesh Patil, S. S. Gawade, S. R. Kumbhar, “*Magnetorheological Elastomers – Most Promising Smart Material for Vibration Control*”, Proceedings of National Conference on Innovations in Mechanical Engineering (IME-10), J. T. Mahajan College of Engineering, Faizpur, 28 – 29 January 2010, pp. 105-108.
2. S. R. Kumbhar, S. S. Gawade, Dr. Bimlesh Kumar, “*Comparative Study of Different ER Dampers*”, Proceedings of 2nd National Conference on Recent Developments in Mechanical Engineering (YANTRA-2007), organized by College of Engineering, Pandharpur on 23 – 24 Dec. 2007. pp. 1 – 6.
3. S. R. Kumbhar, S. S. Gawade, Dr. Bimlesh Kumar, “*ER Fluids – Review of Properties, Performance & Application Development*”, Proceedings of National

Conference on Innovations in Mechanical Engineering (**IME-07**), J. T. Mahajan College of Engineering, Faizpur, 29 – 30 March, 2007, pp. 117-122.

4. S. R. Kumbhar, S. S. Gawade, Dr. Bimlesh Kumar, “*MR Fluids – Review of Properties, Performance & Application Development*”, Proceedings of National Conference on Innovations in Mechanical Engineering (**IME-07**), J. T. Mahajan College of Engineering, Faizpur, 29 – 30 March, 2007, pp. 155.
5. M. V. Pisal, A. B. Kolekar, S. R. Kumbhar, “*Biogas Upgrading Technologies*”, National Conference on Recent Trends in Energy Engineering & management (**NCRTEM – 2007**), Tatyasaheb Kore Inst. Of Engg. & Tech., Warananagar, 2 – 3 March, 07, pp. 1-6.
6. S. R. Kumbhar, S. S. Gawade, “*ER & MR Fluids – Controllable Fluids in Engineering Applications*”, Proceedings of National Seminar on Intelligent & Emerging Technologies in Mechanical & Automobile Engineering (**NSITMAE**), Institute of Technology and Management, Gurgaon, Harayana, January 5 & 6, 2007, pp. 1-6.
7. S. R. Kumbhar, S. S. Gawade, “*A Survey of Different Actuator Technologies*”, Proceedings of National Conference on ‘Trends & Advances in Mechanical Engg.’ (**TAME-06**) organized by YMCA Institute of Engineering, Faridabad, Harayana, Dec. 9 – 10, 2006, pp. 1-8.
8. S. R. Patil, S. R. Kumbhar, A. H. Mishrikoti, “*ERP Implementation & Related Issues*”, All India Seminar on ‘Enterprise Resource Planning & Manufacturing Execution System’ organized by The Institution of Engineers (India), Bokaro Steel City, Local center, 21 – 22 February, 2006, pp. 1-5.
9. S. A. Patil, L. M. Jugulkar, S. R. Kumbhar, S. D. Yadav, “*Advances in Reliability Centered Maintenance with Special Emphasis on Maintenance Management*”, Proceedings of National Conference on Recent Developments in Mechanical Engineering (**YANTRA-2005**), organized by College of Engineering, Pandharpur on 23 – 24 Dec. 2005, pp. 1-5.
10. S. R. Kumbhar, S. D. Yadav, “*Reliability Centered Maintenance (R.C.M.) - A New Paradigm in Maintenance Management*”, Proc. of National Conference on “Advances in Mechanical Engineering” Organized by Mechanical Engineering Department Jawaharlal Darda Institute of Engineering & Technology MIDC, Lohara, Yavatmal - 445 001, M.S., 23 - 24 April, 2004, pp. 1-5.
11. S. M. Sawant, S. R. Kumbhar, K. D. Sapate, “*Vehicular Pollution – An Indian Scenario*”, Proc. Of All India Seminar on ‘Challenges in Environmental Protection and Possible Solutions’ organized by The Institution of Engineers (India) Amravati Local Centre, Amravati, January 11 – 12, 2003, pp. 282 – 287.
12. S. D. Yadav, S. M. Sawant, S. R. Kumbhar, “*Remote Control Jack*”, Proc. of AICTE New Delhi sponsored National Seminar on ‘Modern Trends in Automobiles’ (**NSMTA-2002**) held at R.I.T., Sakharale, August 1– 2, 2002, pp. 271 – 274.

13. S.R. Kumbhar, “*Internet – New Technology & Dimensions in Global Communication*”, Proc. All India Technicians’ / Students’ Seminar & Eight IIEE Convocation and Technicians’ & Students’ Convention held at Palghat, October 28 – 29, 2000, pp. 1-5.
14. S. R. Kumbhar, “*Engineering Technology for Rural Development – Local Energy Generation (Bio-gas System)*”, Proc. of All India Technicians’ / Students’ Seminar & Seventh IIEE Convocation and Technicians’ & Students’ Convention held at Pune, {The Institution of Engineers (India)} Pune Local Center, October 30, 1999, pp. 1 – 7.
15. S. R. Kumbhar, “*Energy & Sustainable Development – Emerging Challenges for Young Engineers*”, Proc. of All India Technicians’ / Students’ Seminar & Sixth IIEE Convocation and Technicians’ & Students’ Convention held at Kolkata, November 01, 1998, pp. 3 – 8.

Conferences / Seminar / Workshops / STTP's Organized:

- Two Days Workshop on “*Enhancing Skills for Laboratory Practical's in the Subject I. C. Engine*”, For Laboratory Assistants, Under Shivaji University, Kolhapur Lead College Scheme, 4th – 5th January, 2013. (**Coordinator**)
- One Week Faculty Development Programme Under TEQIP on “*Automotive Engineering: Advances and Research Opportunities*” organized by R.I.T., during 18 – 22 June 2012. (**Coordinator**)

Worked as Organizing Committee Member:

- One Day Shivaji University, Kolhapur Approved Workshop on “**New Trends in Curriculum Development**”, organized by R.I.T., Sakharale on 10th Aug. 2012.
- ISTE Approved STTP on “Effective Teaching – Outcomes Based Teaching Learning in Engineering Education”, organized by Dept. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) with IUCEE Regional Chapter, during 27th June – 1st July 2011.
- Department Co-ordinator of “Kalyani-RIT Quantum 2011” – A National Level Technical Symposium, organized at R.I.T., Sakharale, during 17 – 18 February, 2011.
- ISTE Approved STTP on “Advances in Engine & Vehicle Dynamics”, organized by Dept. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) during 28th June – 2nd July 2010.
- AICTE – ISTE, New Delhi sponsored Short Term Training Programme on “Modern Trends in Automobiles”, organized by Dept. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) during June 23 – July 04, 2003.
- AICTE, New Delhi sponsored National Seminar on “Modern Trends in Automobiles” (NSMTA 2002), organized by Dept. of Auto. Engg., R. I. T., Rajaramnagar (Sakharale) during August 01 – 02, 2002.

Industrial Training Undergone:

- Summer Vocational Training at Kirloskar Brothers Limited, Kirloskarwadi from 20th June to 30th June 2007.
- In – Plant Training at TELCO, Pimpri, Pune from 15th June to 21st August 1992 in various departments and attended a Special Course on 1210 & 1510 applicable to Tata Diesel Vehicles (TDV) conducted by Service Training Centre, Pune, from 19th June to 1st August 1992.
- Company Training (Netel Chromatograph, Mumbai) for operating and maintenance of Auto Exhaust Analyzer (Netel Model NPM – CH-1/Sr.No.95) and Diesel Smoke Meter (Netel Model NPM – SM – 111B/Sr.No.473) of M/s R.I.T., Sakharale used for checking emission for PUC certification of Petrol & Diesel vehicles.

Projects Completed:

1. “**Design, Development & Testing of Smart Fluid Damper for Road Vehicle Suspension System**” at M.E. (Mech.) Design Engg.
2. “**Testing of I. C. Engines (Morse Test & Heat Balance Sheet)**” – at AMIE course
3. Learning Packages at DTT Course on - Transport Management & Automobile Chassis – I (Including detailed Lecture Plans)
4. “**Flywheel**” – at DAE Course (Computation of Moment of Inertia of Flywheel)

Responsibilities Held Earlier:

- Laboratory Incharge – a) Fuels & Combustion b) Automotive Transmission
- Automobile Engineering Department ISO Co-ordinator
- Senior Technician & Skilled Assistant in Auto. Engg. Dept.
- Practicals of Applied Thermodynamics of Second Year Auto. Degree Class
- Laboratory Technician of a) Automotive Emission Laboratory
b) Automotive Research & Diagnostic Center
- Emission tests for PUC certification of Petrol and Diesel Vehicles
- I. C. Engines Practicals of Degree & Diploma course
- Departmental Computer Center, Departmental Library In charge
- AESA Faculty Advisor
- Assistance in conducting practicals of Auto. Emission, Vehicle Performance, Project work of Degree class
- Assistance in Shivaji University Practical / Oral Examination of Automobile Engg. Dept.
- Departmental Records
- ISO Documentation
- Assistance in TEQIP Purchase process
- Accreditation related departmental work & report of department
- Maintenance Supervisor in Maintenance Cell of R.I.T., Sakharale
- Assisted in AICTE / ISTE sponsored projects – MODROBS
- Assisted in AICTE / ISTE sponsored Short Term Training Programmes
- Class Monitor of Diploma Classes
- Co-ordinator for YCMOU, Nashik certificate courses
- Worked in Admission Section of the college from 1989 to 1990