

## RESUME

### **I. Personal Information**

**Name: Dr. Mrs. Sushma S. Kulkarni**

**Designation: Director**

**Rajarambapu Institute of Technology, Sakharale.**

Contact Email ID : director@ritindia.edu



### **Academic Qualification**

- Ph. D (Civil), July 2003, Shivaji University, Kolhapur, India.
- Master of Engineering in Construction and Management, July 1993, Shivaji University, Kolhapur.
- Bachelor's Degree in Civil Engineering, July 1987, Vishveshvaraya Regional College of Engineering (VNIT), Nagpur University, Nagpur, India.

### **II. Important Achievement of RIT during last 12 Years (As a Principal 2005-2010 & Director 2010-till date)**

- Institute has received “ Bhartiya Vidya Bhavan National Award for an engineering college having Best Overall Performance 2016” given by Indian Society for Technical Education (ISTE), New Delhi.
- Institute has been accredited with ‘A’ grade by National Assessment And Accreditation Council (NAAC) Nov.2016
- Institute has been ranked 7th across Maharashtra, 75th all over India and the only institute in Shivaji University, Kolhapur in a survey by National Institutional Ranking Framework (NIRF) Ministry of Human Resource Development, Government of India in 2016
- RIT has been awarded the “Distinguished College at the Computer Society of India (CSI) TechNext India 2017” – Awards to Academia.
- RIT is ranked 3rd for very good Institutional Transformation in Engineering Education in ICTIEE 2017 given by Indo Universal Collaboration for Engineering Education(IUCEE) U Mass, Lowell, USA
- RIT had participated and won the SIIP-2014 (Sustainable Industry Institute Partnership) Award at IIT, Madras organized by The Society for Educational and Entrepreneurship Development (SEED) on 26 and 27 Nov, 2014
- RIT has been awarded ‘Sri VVR Seshadri Rao Gudlavelleru Engineering College National Award’ for The Best Private Engineering College 2013, by ISTE, New Delhi

- RIT is adjudged as the “Best Engineering institute in Maharashtra” for the year 2012 given by Engineering Education Foundation Pune.
- As a Principal of RIT Provided leadership for change from University affiliated Institute to an Autonomous Institute from 2011-12
- RIT got selected for prestigious World Bank funded Technical Education quality Improvement program (TEQIP II) in 2010 for a funding of 12.5 crores. RIT was one of the only two private colleges selected in Maharashtra in the first round.
- MOU’s entered with industries, Universities and institutes are 82.

### **III. Participation in Technical Education in India and Abroad and Its Development**

- Awarded with “Adarsh Mahila Shikshak Purnaskar” by Giants Group of Islampur, Saheli Maharashtra, on the eve of Teachers Day on 5th September, 2017.
- Awarded with, “Best Woman Engineering Educators National Award 2017” by Indian Engineering Educator And Administrators Conference (IEEAC – 2017) Organized in collaboration with Tata Consultancy Services (TCS), Mathworks India Pvt. Ltd., Nerul Mumbai.
- Selected as Featured Dean in a Bulletin Published by Global Engineering Deans Council (GEDC) for the period between April to June 2017. The feature interview is published on the GEDC website.
- Invited as Panellist for Global Engineering Deans Council 2017 Conference to be held at McMaster University Canada, Nigara Falls, on 12 Oct. 2017.
- Recognized as one of the 100 Most Influential Directors of India (Education) by World Education Congress, June 2016.
- Presented as a Keynote Speaker in the Asian Engineering Education Conference 2016 and CDIO Asian Regional Meeting at Yanshan University, Qinhuangdao, Hebei, China, during 22 – 25 March 2016
- Participated in Top Tips Presentation on “Quality Circles in RIT”, in Annual Conference of GEDC at Adelaide Australia from 30th Nov. to 3rd Dec. 2015 and also was invited and worked as jury for GEDC- Airbus Global Diversity Award, an event sponsored by AirBus to promote Diversity in Engineering Education. .
- Working as Editor for International Journal entitled ‘Journal of Engineering Education Transformation’, (JEET) from January, 2014 in collaboration with Indo US Collaboration for Engineering Education ( IUCEE) and RIT.This journal is published by RIT every quarter in print and online form.
- Worked as ‘Chair Person of the Best Paper and Kamala Award Committee for the term 2014-15.’ Announced by Indian Society for Training and Development (ISTD), New Delhi for “Best ISTD Paper” Award.

- Awarded with “Best Teacher Award” by Giants Group of Islampur Maharashtra, on the eve of Teachers Day on 5th September, 2014.
- Visited Nanyang Technological University, National university of Singapore and Nanyang Polytechnic, Singapore from 26th to 28th Feb 2012 to study the systems and processes in these Universities.
- Awarded with “Best Engineering College Principal” by Bhartiya Vidya Bhavan’s, Indian society for Technical Education (ISTE), New Delhi for the Year 2011.
- Awarded with “Emerging HRD thinker’s award” for Best Research Paper on “Strategic planning for Institutional growth and Development” by Indian Society for Training and Development (ISTD), New Delhi for 2010 through open competition. Award included of Gold Medal, Citation and cash prize of Rs 15000/-.
- Visited 6 universities in United States of America from 9th to 23rd Nov 2009 through Indo US Collaboration for Engineering Education (IUCEE), USA. Signed MOU with Purdue University, Indianapolis and UMass, Lowell, USA.
- Participated in workshops as per Special invitations organised by INDO-US collaboration for Engineering Education at Mysore in May 2008.
- As promoter of Quality Circle one of our Quality Circles “ASSURED ” presented their Case Study during “International Convention for Quality Circles ICQCC-2007 ” at Beijing, CHINA was awarded Gold Medal Award during the convention to be held on 23rd -27th Oct.2007 organised by China Association for Quality .
- Awarded with “Kamala Award” for the Best paper entitled “A Critical Study of Total Quality Management in Indian Engineering Industries – A survey Report” by Indian society for Training and Development New Delhi for the year 2005-2006.
- Awarded with ‘Ideal Teacher Award’ by Lion’s club of Islampur, Maharashtra on 5th Sep 2006
- Presented Research Paper “Quality circle as tool for human resource development- A Case Study” and also lead Quality Circle named “The Legends” for presentation at “International Convention - ICQCC”, Chawgong, Korea during the convention to be held on 7-9th Nov 2005.
- Awarded 2nd Prize in all India level essay competition organized by American concrete institute, India Chapter. On the Theme “Construction Industry and Institute- How to bridge the gap?” This award was presented during their Silver jubilee function at Mumbai on 10th Dec 2004.
- Best teacher award for the year 2002 by the Rajarambapu Institute of Technology.

➤ **International Journal of Engineering Education Transformations –JEET Published by RIT from Jan 2014:**

RIT is publishing an international *Journal of Engineering Education Transformations (JEET)* in collaboration with the IUCEE. JEET provides a forum to facilitate conversations among engineering educators who would like to showcase their transformational work. It is a scholarly journal committed to the advancement of theory, research and practice in the field of engineering

education. Published in India, the world's largest hub of engineering education, JEET authors are scholars and experts from across the globe who shares their theoretical insights and innovative practices for the enhancement and transformation of engineering education. It is an online journal as well as in print form, published every quarter.

It was started in 1985. a National level journal which was edited and published by Prof Ratnalikar under the Umbrella of Engineering Education Foundation, Pune. It was transferred to Dr. Sushma Kulkarni, RIT, as Editor in Jan 2014 wherein the scope was changed to International and made online journal.

➤ **Indo-Universal Collaboration for Engineering Education (IUCEE):**

RIT is a consortium member of IUCEE which has its headquarters based in UMass Lowell, Boston, USA. IUCEE was conceptualised by over 150 leaders of Engineering education & business from USA & India. It started its activities in 2006 and over a period now it has done commendable work in improving the quality of engineering education in India. RIT takes part in activities like round the year webinars from resource persons all over the world. It conducts online short term certification courses, seminars, workshops and International conference on Transformations in Engineering education once in a year. RIT has contributed more than 15 papers every year based on transformation work done in Engineering education in International conference on Transformations in engineering Education ICTIEE 2014, 2015, 2016 and 2017. RIT has also participated in various international teacher certification programs provided by IUCEE. RIT publishes the JEET journal in collaboration with IUCEE. It provides a platform for Global exposure and global best practises.

#### **IV. Publications, Continuing Education, Sponsored Research**

➤ **Research Papers with H – Index**

1. Vidula Swami, Sushma S. Kulkarni, “ Application of SWAT model for soil loss in Kaneri watershed”, International Journal of Earth Sciences and Engineering, April 2017, P.P. 207-213, **(H- index- 6)**
2. Sushma S Kulkarni, Neela Deshpande, Nikhil Patil, “Effectiveness of using Coarse Recycled concrete aggregate in concrete”, International Journal of Earth Sciences and Engineering, pp-913-919, ISSN 0974-5904. Oct 2011. **(H – Index – 3)**
3. Sushma S Kulkarni, Neela Deshpande, “Critical analysis of recycled aggregate and concrete with recycled aggregates”, Applied Mechanics and Materials, pp-1274-1280, ISSN: 1662-7482 Sept 2011. **(H – Index – 11)**
4. Neela Deshpande., Londhe, S.N., Sushma.S Kulkarni (2014), Modeling Compressive Strength of Recycled Aggregate Concrete Using Neural Networks, Model Tree and Regression Analysis, International Journal of Sustainable Built Environment. 3(2), 187-198, ISSN: 2212-6090. **Cite score 2016- 0.59, 54 percentile**, Elsevier BV.

➤ **Research Paper with Impact Factor**

1. Sushma S Kulkarni “Diagnostic Study of Construction Contracts Clauses for Cost and Schedule Overrun in Infrastructure Projects in India” Published in International Journal of

2. Deshpande, N., Kulkarni, S.S. (2014), Experimental Investigation on strength characteristics of concrete using tyre rubber as aggregates in concrete, International Journal of Applied Engineering Research and Development, 4(2), 97- 108. ISSN No. (P): 2250-1584, (E): 2278-9383. **Impact factor-1.6842.**
3. Sushma S Kulkarni, N K Deshpande, H Pachpande, “Strength Characteristics of concrete with recycled aggregates and artificial sand” Published in International Journal of engineering research and application(IJERA).PP:-38-42 (2012). **Impact Factor - 1.69**
4. Deshpande, N., Londhe, S.N., Kulkarni, S.S. (2013), Modeling Compressive Strength Of Recycled Aggregate Concrete Using Neural Networks And Regression Analysis, Concrete Research Letters. 4(2), 580-590. ISSN No. 2180-1371. **Impact factor: 1.69**
5. Sushma S Kulkarni, Neela Deshpande, “Experimental Investigation on Use of Recycled Aggregate in Bricks” Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities”(ICACIDS – 2K16 : CE 09)(Feb-2016). **Impact Factor – 1.6842**
6. Sushma S Kulkarni, Shreyas P Jorvekar, “Time Impact Analysis on Construction Projects.” Published in international Journal of Scientific Research. (ISSN No. 2347-3878).May 2015. **Impact Factor – 3.05**
7. Sushma S Kulkarni, Atul Ashok Idate, “Utilization pf Industrial Waste in Pavement” International Journal of Current Trends in Technology and Science ISSN: 2279-0535, Volume: 3, Issue: 4 (June-July 2014). **Impact Factor – 5.10**
8. Sushma S Kulkarni, Girish Dinkar Patil, “Performance Analysis of pond Ash as partial replacement to black cotton soil for pavement subgrade construction.” Published in International Journal of Scientific Research (ISSN No. 2277 – 8179). May 2015. **Impact Factor – 3.2416**

➤ **Publication of Research Papers:**

Category	Number of papers published	
	Technical	Engineering Education
International Journals	20	03
National journals	02	17
International conferences	09	13
National conferences	14	03
<b>Total</b>	<b>45</b>	<b>36</b>

➤ **International Journal**

1. Sushma S Kulkarni, M. T. Telsang, “Institutional transformation in action of a private engineering college in western aharashtra-A Case Study. Published in journal of Engineering Education Transformations. Volume:27(4) PP: 36-45 (2014)
2. Sushma S Kulkarni, J. A. Patil, “Design and Mapping of Underground Sewerage Network in GIS, a case Study of Islampur Town” Published in International Journal of Science and Research (IJSR) ISSN 9online): 2319-7064 Impact Factor (2012):3.358 . Vol 3, Issue (8 August 2014).
3. Sushma S Kulkarni, Nawaz Karim Hannure, “Comparative Study of Traditional Material Management and Material Management with ICT Application” International Journal of Current Trends in Technology and Science ISSN:2279-0535, Volume:3, Issue:4 (June-July 2014)
4. Sushma S Kulkarni, Sanjeev Tanaji Jadhav, “Feasibility Study of Improving Properties of Black Cotton Soil Using Industrial Wastes” International Journal of Current Trends in Technology and Science ISSN:2279-0535, Volume: 3, Issue: 4 (June-July 2014)
5. Sushma S Kulkarni, Rohit Laxman Tudayekar, “Safety and Emergency Management on Construction Sites” International Journal of Current Trends in Technology and Science ISSN:2279-0535, Volume: 3, Issue: 4 (June-July 2014)
6. Sushma S Kulkarni, K. M. Bagwan, “A Study of Characteristic and Use of Pond Ash for Construction” International Journal of Emerging Technology and Advanced Engineering www.ijetae.com (ISSN 2250-2459, Volume 4 Issue 6) June 2014
7. Sushma S Kulkarni, Pratik D. Karpe, “Analyzing the Impact of Onsite Material Transportation on Time and Cost of the Building Construction Project Using Semi-Mechanized Equipment” International Journal of Scientific and Engineering Research, Volume 4, Issue 9, IJSER © 2013 <http://www.ijser.org> September 2013
8. Sushma S Kulkarni, V.S. Tiwari, “ Root Cause Analysis of Variations in Construction Tasks and Developing Effective Strategies to Reduce Variations” ISSN No 2229-5518 IJSER © <http://www.ijser.org> (2013)
9. Sushma S Kulkarni, H.T.Tatale, “Dry Mix Mortar And Its Market Potential in Maharashtra (India) – An Advance Technology Based Material” International Journal of Scientific and Engineering Research, ISSN 2278-0181 Volume 2, Issue 8, IJERTV2IS80245 [www.ijert.org](http://www.ijert.org), August 2013.
10. Sushma S Kulkarni, Vishal P Kumbhar, Vidula A. Swami, “Effectiveness Watershed Management – Means of Economical Development – A Case Study” IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684 p-ISSN: 2320-334X, Volume 6, Issue 6 , PP 7-14 [www.iosrjournals.org](http://www.iosrjournals.org). ( May – Jun 2013).
11. Sushma S Kulkarni, Pandurang D. Jankar, “A Case Study of Watershed Management for Madgyal Village” International Journal Adv. Engg. Res. Studies/II/IV July-Sept. 2013.
12. Sushma S Kulkarni, Hanumant P. Naiknavare, “Experimental Approach to Study Performance of RMC Plants in Western Maharashtra: Case Study ” International Journal of Scientific and Engineering Research, Volume 4, Issue 8, August 2013 ISSN 2229-5518 IJSER © <http://www.ijser.org> (2013).
13. Sushma S Kulkarni, S S Desai. “Academic Excellence Through Capacity Building: An empirical Study of Rajarambapu Institute of technology.” Publish in mapping excellence Policies for India. PP: 341 – 346 (2012).

14. Sushma S Kulkarni, M T Telsang, “Authentic Leadership to create a Better world Lessons from Bhagavad Gita.” Published in mapping excellence Policies for India. PP 397 – 404 (2012).
15. Sushma S Kulkarni, Vishal P Kumbhar, Mrs. Vidula A. Swami, “Watershed Management: Concept, Principles and Challenges to Improving Productivity, Resources and Livelihoods” I-manager’s Journal on Civil Engineering, Vol. 2. March-May 2012.
16. Sushma S Kulkarni, Vidula A Swami, Santosh Kumbhar, “Participatory Watershed management in south Asia: A comparative Evaluation with special reference to India” published in International journal of science and engineering research (IJSER Vol 3), March 2012.
17. Sushma S Kulkarni, Vidula A Swami, Santosh Kumbhar, “SWAT Hydrological Model for Watershed Management DOI:10.13140/2.1.3868.4800” published in Global Journal Engineering and Applied Sciences, Rising Research Journal Publications, GJEAS, 2012:2(1) ISSN No.2249-2631 (Online in April 2012) Page No. 16-20.
18. Sushma S Kulkarni, Vidula A Swami, Santosh Kumbhar, “Village Development in India by Watershed Development Programmes” published in Global Journal Engineering and Applied Sciences, Rising Research Journal Publications, GJEAS, 2012:2(1) ISSN No.2249-2631 (Online in April 2012) Page No. 26-30.
19. Sushma S Kulkarni, Adure Gautam S. “Process Improvement in Construction Industry through Six Sigma Approach” published in Global Journal of Engineering and Applied science. ISSN:2249-2631, Online Feb 2012.
20. Sushma S Kulkarni, Neela Deshpande, “Critical Analysis of Recycled Concrete Aggregates”, International Journal of Research in Engineering Sciences and Technology, Special Issue-II, pp-21-30, ISSN No: ISSN 2229-5135. Oct 2011.
21. Sushma S Kulkarni, Vidula Swami, “Watershed Management – A means of sustainable development –A case Study” published in International Journal of Engineering Science and Technology Engineering Journal Publications, Chennai, Vol No. 3, pp 2105-2112, ISSN0975-5462 March 2011.
22. Sushma S Kulkarni, Neela Deshpande, “Critical analysis of recycled concrete with recycled aggregates”, published in International journal of research in engineering sciences and technologies, by Sunrise technologies COE, Dhule, March, Vol 99-100. (2011).
23. Sushma S Kulkarni, “Graph Theory and matrix approach for performance evaluation of TQM in Indian Industries” published in The TQM Magazine International review of organizational improvement, Vol 17 No. 6 (2005).

➤ **International Conferences:**

1. Sushma S Kulkarni, Shinde Asit J., “Inventory Control Techniques – ABC Analysis and Vendor Analysis” Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 110)(Feb-2016).
2. Sushma S Kulkarni, Chavan R. Patil, “Factors Influencing Cost and Schedule Overrun in Infrastructure Projects” Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 110)(Feb-2016).
3. Sushma S Kulkarni, Kumbhar S.S., Kamat R.S., “Impact of Sewage Disposal on Krishna River Water Quality in Sangli City, Maharashtra, India” Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 110)(Feb-2016)(Page No.502-513).

4. Sushma S Kulkarni, Kumbhar S.S., Bakul Rao, "Water Quality Assessment For Nutrient Management From Sanitation and Agricultural Sources in Warana River Basin" Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 110)(Feb-2016)(Page No.558-559).
5. Sushma S Kulkarni, Adsire Pranay R, "Concrete Quality and Safety Management in High Rise Buildings" Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 06)(Feb-2016).
6. Sushma S Kulkarni, Khalid Bagwan, "Microstructure and Properties of Concrete Containing Pond Ash " Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 06)(Feb-2016).
7. Sushma S Kulkarni, Kolhe R.V., "Scheduling and Monitoring a Flyover Construction Project and Preparing SCM Model for it" Presented in the International Conference on Advances in Civil Infrastructure and Developments of Smart Cities (ICACIDS – 2K16 : CE 110) (Feb-2016).
8. Sushma S Kulkarni, Hemlata Gaikwad, Oral Presentation of paper titled "A Longitudinal Study of Self-Efficacies of Undergraduate Women in Engineering" In the Third International Conference on Transformation in Engineering Education. At the College of Engineering Pune. Journal of Engineering Education Transformations, Special Issue eISSN 2394-1707. (Jan-2016).
9. Sushma S Kulkarni, M. T. Telsang, M. V. Kavade, Oral Presentation of paper titled "Impact of Outcome Based Education on Faculty Performance" In the Third International Conference on Transformation in Engineering Education. At the College of Engineering Pune. Journal of Engineering Education Transformations, Special Issue eISSN 2394-1707. (Jan-2016).
10. Sushma S Kulkarni, Prakash M Jadhav, M T Telsang, "Impact of IUCEE on institutional performance: a Case study of Rajarambapu Institute of Technology". Published in Proceeding of the International conference on Transformations in engineering education.PP:217-224 Publisher: Springer India Publication (Jan-2015).
11. Sushma S Kulkarni, Sandeep R Desai, M T Telsang, "Transformation of Engineering education using Quality circle Approach" Published in Proceedings of the International conference on transformations in engineering education. PP: 561-562 Publisher: Springer India Publication (Jan-2015).
12. Sushma S Kulkarni, Sanjay R Kumbhar, Sanjay T Satpute, "Puzzle-Based Learning: A Joyful learning strategy in Automotive Engineering Education" Published in Proceeding of the International conference on Transformations in engineering education.PP-131-138.(Jan-2015).
13. Sushma S Kulkarni, M T Telsang, "Improving Classroom dynamics through teaching – learning (academic) Audit." Published in Proceedings of the International Conference on Transformations in Engineering Education.PP:139-147.Publisher-Springer India (Jan-2015).
14. Sushma S Kulkarni, A C Attar, Binod Sinha, "Strategic Planning for an Engineering Institute –A Case Study of Rajarambapu Institute of Technology, Sakharale" At B. V. Bhoomaraddi College of Engineering and Technology, HUBLI, Karnataka, International Conference on Transformations in Engineering Education (ICTIEE)(Jan-2014).
15. Sushma S Kulkarni, "Strategic planning for an Engineering Institute for effective implementation of growth and development plan-A case study" Proceedings of International Conference on Revisiting Management Practices and Research for Sustainability, RIT, Sakhrale, Maharashtra.(Feb-2013).



16. Sushma S Kulkarni, Desai Seema S., "Achieving academic excellence through capacity building: An empirical study of Rajarambapu Institute of Technology (RIT)", published in proceeding of International conference on Mapping excellence policies for India – Vision 2020 (Page 341 to 346). ISBN: 978818329746X (March 2012).
17. Sushma S Kulkarni, "Quality circle as tool for human resource development- A Case Study" presented at International conference on International Convention – ICQCC, Chawgong, Korea (Nov 2005).
18. Sushma S Kulkarni, "Qualitative Improvement in Higher Education for learning organization through Total Quality Management" selected and invited for presentation at International conference on Learning organization in learning world organized by KMUTT Technological university, Bangkok, (April 2005).
19. Sushma S Kulkarni, "Total Quality Management- A need of Construction Industry" Presented at International Conference on World of innovations in Structural Engineering organized by Association of Consulting Civil Engineers at Hyderabad.(2004).
20. Sushma S Kulkarni, "Women and Professional Competency – A Survey Report" accepted and invited for presentation at "Women in Leadership" Conference at Australia. Dec 1999. Same paper also published in IJTD, New Delhi, August 2002.
21. Sushma S Kulkarni, "Construction Industry - Institute Interaction for Total Quality" Published in the proceedings of the International conference on Total Quality in Mumbai, January 1999.
22. Sushma S Kulkarni, "Quality circle as tool for human resource development- A Case Study", Published in the proceeding of World Innovation and strategy conference, Sydney Australia. August 1998.

➤ **Journal: National**

1. Sushma S Kulkarni, Satyajit Patil, "Laboratory Development through final year projects: an approach" Published in Journal of Engineering Science and Management Education (Feb 2015).
2. Sushma S Kulkarni, Sandeep R. Desai, Dr. M. T. Telsang "Quality Circle: An Approach to Empower Engineering Education" published in The Journal of Engineering Education, (April, 2014).
3. Sushma S Kulkarni, Seema S Desai, "Capacity Building for Academic Excellence at RIT – An empirical study" for the 42nd ISTD National Convention - Kolkata - India 20-21 published in Manuscript of conference Theme: Value Creation through Human Development– The Emerging Dimensions, Sub Theme – Human Development for Business Excellence. (January 2012).
4. Sushma S Kulkarni, "Implementation of Autonomy - outcomes and experiences", The journal of Engineering Education, Pune. (April, 2013).
5. Sushma S Kulkarni, M.T. Telsang, "Engineering Education scenario in Singapore Universities with reference to India", Published in "The Journal Of Engineering Education", Pune, (ISSN 0971- 5843) pp 13-20. Oct 2012.
6. Sushma S Kulkarni, M.T. Telsang, "Academic audit – A tool for enhancing Teaching learning effectiveness", Published in The Journal Of Engineering Education Pune, (ISSN 0971- 5843) April 2011

7. Sushma S. Kulkarni, S. R. Patil, D. G. Thombare, "Positive influence of association of technical student organization with professional bodies on academics: A case study of SAE, RIT", Indian Journal of Technical Education, New Delhi June 2011, ISSN0971-3034, June 2011
8. Sushma S. Kulkarni, Vinay Kamble, "Towards a culture of Teaching cum research in engineering colleges: A case study of RIT", Published in The Journal Of Engineering Education, Pune, (ISSN 0971- 5843) July 2010
9. Sushma S. Kulkarni, K. N. Nandurkar, "Dramatic Results for IUCEE in Private colleges of State of Maharashtra in the Western Region of India", Published in The Journal Of Engineering Education pune, pp 45-50, (ISSN 0971- 5843) January 2010
10. Sushma S. Kulkarni, Vidula A Swami, "Water shed management in high intensity rainfall areas – A case study", Published in the proceedings of national woman's conference on Exploring potentialities of women in engineering, CIT CHANGA, Gujarat 246-261. July 2009
11. Bhagat Patil, Sushma S. Kulkarni, M. T. Telsang, "Engineering Education in USA – An Overview", Published in University News, 47(31), 14-19.(ISSN-0566-2257) August 2009
12. Sushma S. Kulkarni, "Learning Outcome based Curricula Design for Total Quality in Engineering Education", published in The Journal of Engineering Education, pp 89-95. (ISSN 0971- 5843) April and July 2007
13. Sushma S. Kulkarni, "Achieving Excellence in Teaching – Learning through Innovative Practices – A case Study" published in The Journal of Engineering Education, (ISSN 0971- 5843) Feb.2007
14. Sushma S. Kulkarni, "A Critical Study of Total Quality Management in Indian Engineering Industries – A survey Report" published in Indian Journal for Training and Development New Delhi , Mumbai. pp 79-89. Oct - Dec.2005
15. Sushma S. Kulkarni, "A New Tool in HRD for Total Quality" published in Indian Journal for Training and Development, New Delhi during, March 2002.
16. Sushma S. Kulkarni, Sawant P. R., "Innovative Method for Accreditation" Published in Indian Journal of Technical Education, New Delhi. Issue April 99.
17. Sushma S. Kulkarni, Joglekar M. V., S.S. Sahasrabudhe, "Performance Evaluation of an Engineering college as a System for Total Quality", Published in University news, AIU, New Delhi, pp 6-15 (.ISSN-0566-2257)) Oct 18, 1999
18. Geeta R. Kulkarni, "Case study on Quality circles in engineering Institutes" ISTE Newsletter. (1995)
19. Geeta R. Kulkarni, "Student teacher interaction and counselling in Engineering colleges" Journal of Association of Indian Universities (.ISSN-0566-2257)) (1995)

➤ **Seminar / Conferences: National**

1. Sushma S. Kulkarni, Ranjit Chavan, "Diagnostic Study of Construction Contracts Clauses for cost and Schedule Overrun in Infrastructure Projects" Proceeding of 2<sup>nd</sup> RIT National Conference for Engineering Post Graduate at RIT, Rajaramnagar. RIT NConPG 20th May 2016.(Page no. 208-214).

2. Sushma S. Kulkarni, Anmol Arun Magdum, "Remedial Measures for the Landslides in the Pomendi Region – Konkan Railway" Proceedings of 3<sup>rd</sup> RIT Post Graduates Conference (RIT PG Con-17) (Page no. 69-72)
3. Sushma S. Kulkarni, Mukund T Gonugade, "Risk Identification and Assessment for Infrastructure Projects" Proceedings of 3<sup>rd</sup> RIT Post Graduates Conference (RIT PG Con-17) (Page no. 86-91).
4. Sushma S. Kulkarni, Anuj B Gade, "Remedial Measures on Disposal of Waste Plastic in Ecofriendly Way-Application in Construction of Flexible Pavement (Case Study – Kondave Village)" Proceedings of 3<sup>rd</sup> RIT Post Graduates Conference (RIT PG Con-17) (Page no. 103-107).
5. Sushma S. Kulkarni, Nikhil Edake, "Evaluating urban sprawl using Geospatial Technologies" Published in National Conference for Engineering Post Graduate Students. May 2015.
6. Sushma S. Kulkarni, Sagar Ambure, "Earned Value Management Applied to Construction Project". Published in National Conference for Engineering Post Graduate Students. May 2015.
7. Sushma S. Kulkarni, Shankar Ambure, "Study on Employee Retention in Construction Industries". Published in National Conference for Engineering Post Graduate Students. May 2015.
8. Sushma S. Kulkarni, Somanath Kanase, "Use of Geoinformatics in Flood Modeling: Case Study of Rushikesh". Published in National Conference for Engineering Post Graduate Students. May 2015.
9. Sushma S. Kulkarni, Leena Ritesh Shaha, "Selection of Dispute Resolution Method for construction Projects", Published in proceeding of national conference on Advancing Trends in engineering and management Technologies, (ATEMT-09), pp 35-42. (2009)
10. Sushma S. Kulkarni, "Achieving Excellence in Teaching –Learning through Innovative Practices –A case Study" published in proceeding of National conference on Best Practices in Engineering Education organized by Engineering Education Foundation, Pune at Sighgad college of Engineering, Pune during 2<sup>nd</sup> and 3<sup>rd</sup> Feb. 2007.
11. Sushma S. Kulkarni, Vidula A. Swami, Mujumdar M. M., "Watershed management and community participation" Published and presented in National conference on Integrated water resources development for Sustainable Development at Birla Institute of Technology, Pilani, 11<sup>th</sup> – 13<sup>th</sup> Oct 2003.
12. Sushma S. Kulkarni, Vidula A. Swami, Joshi S.K., "Model watershed management plan for Shivapur Watershed", published and presented in National conference on River Basin Organizations, held at National Water Academy, Pune, 9<sup>th</sup> -10<sup>th</sup> July 2003
13. Sushma S. Kulkarni, "Home Energy Conservation", published and presented in National conference on Energy Management and Conservation held at RIT, Rajaramnagar, 11<sup>th</sup> –13<sup>th</sup> May 2001.
14. Sushma S. Kulkarni, "Effect of Super plasticizers on Durability of Concrete", published in the proceedings of the workshop on Good Concrete Construction Practices organized by Civil Engg. Dept., RIT, Sakharale during 23<sup>rd</sup>-24<sup>th</sup> February, 2001.
15. Geeta R. Kulkarni, "Social cost benefit analysis of self supporting engineering collage in rural area", State level ISTE convention at WCE, Sangli. 29<sup>th</sup> Nov – 1<sup>st</sup> Dec. 1996.

16. Geeta R. Kulkarni, “Improving teacher effectiveness”, Proceedings of the seminar on Improving Teacher Effectiveness at Warnanagar (1995)
17. Geeta R. Kulkarni, Gramopadhya S. S. “Systems technique applied to technical education”, Proceedings of the conference on Revamping of technical education at Nanded (1991)

➤ **Completed two Online Courses Through IUCEE**

1. Completed on-line mini course along with Certification by Indo Universal Collaboration for Engineering Education (IUCEE) on “Project Management” Program is offered through blended approach (Face to face session and online ) by Dr. Vijay Kanbar, Boston University, USA (Jan 2017)
2. Completed on-line mini course along with certification on the topic “ Publishing and Reviewing papers in Engineering Education” conducted by (IUCEE), Dr. Sohum Sohoni and Dr. Scotty Craig, Arizona State University, USA A (7June -26 July 2016)

➤ **Patent:**

One patent provisionally registered as co-inventor entitled ‘Academic System Based on Mobile Computing Devices’ in 2013.

➤ **Publications:**

**Book Published:**

‘A Critical Study of Total Quality Management in Engineering Industries’ by Laplambert Publication, Germany (Based on the Ph. D work).

➤ **Conferences, Workshops, Expert Talks and Invited Talks:**

Category	Number
International conference invited talk/ conference chaired	08
National/ State Conference / seminar invited talks	17
Invited talks/ chief guest in SUK colleges	16
Invited talks/ chief guest at school function	05
Social function/ MSEB/PWD/Indian Post	09
<b>Total</b>	<b>55</b>

**Invited as Resource Person / Chief Guest in Seminar and Conference**

- Resource Person in Indian Engineering Educator And Administrators Conference (IEEAC – 2017) Organized in collaboration with Tata Consultancy Services (TCS), Mathworks India Pvt. Ltd., Global Engineering Deans Council at Terna Engineering College, Nerul Navi Mumbai. (26-28 July 2017)
- Guest Speaker to deliver a talk on a topic “Recent Trend in Engineering Education” at ‘EDUFEST’ organized by Times of India at Kolhapur (12 June 2017)
- Guest Speaker to deliver a talk on a topic “Recent Trend in Engineering Education” at Pudhari Publication Pvt. Ltd.(4 June 2017)

- Guest Speaker to deliver a talk on a topic “Autonomous College” at Karmaveer Vidyaprabodhini, Rayat Shikshan Sanstha, Satara.(8 May 2017)
- Chief Guest for 13th Late Sou. Meenatai Shirgaonkar Memorial International FIDE Rating Women’s Open Chess Tournament organised by Nutan Buddhibal Mandal Sangli (2 May 2017)
- Guest Speaker to deliver a Speech and presentation on a topic “Information and Communication Technology (ICT) Based Education” at Islampur High school and Junior College of Science, Islampur. ( 24 March 2017)
- Resource Person for conducting training programme on “ Soft Skill” at Department of Post, Office of the Inspector of Posts Sub Division, U. Islampur, (24 March 2017)
- Chief Guest and delivered talk on the celebration of “ International Women Day” at KLE College of Engineering and Technology Chikodi, Dist – Belgavi (8 March 2017)
- Chief Guest to deliver talk at the Founder’s day of Saraswat Education Society, Mapusa – Goa. ( 2 March 2017)
- Presented as a Keynote Speaker in the Asian Engineering Education Conference 2016 and CDIO Asian Regional Meeting at Yanshan University, Qinhuangdao, Hebei, China, during 22 – 25 March 2016
- Participated in Top Tips Presentation on “Quality Circles in RIT”, in Annual Conference of GEDC at Adelaide Australia from 30th Nov. to 3rd Dec. 2015 and also was invited and worked as jury for GEDC- Airbus Global Diversity Award, an event sponsored by Airbus to promote Diversity in Engineering Education. .
- Deliver a talk on “Good Construction Practices & Techniques” at Ashta Shahar & Parisar Engineers Association, Ashta.(15 Sept 2016)
- Guest Speaker to deliver a speech on a topic “Effective Classroom Teaching” at K. E. Society’s Rajarambapu Institute of Technology Polytechnic, Lohgaon, (22 Aug 2016).
- Chief Guest at Karad Taluka Bhubhashik Brahman Sangh, Karad. (17 July 2016)
- Chief Guest for inauguration and also delivered talk for One Week STTP on "NBA Oriented Advanced Teaching - Learning Process" at Adarsha Institute of Technology (17th - 21st June), 2016.
- Chief Guest and delivered invited talk for Women’s day celebration at RTC Talandage (MSEB), Kagal 5 Star MIDC, Kolhapur (8 Mar 2016).
- Deliver an expert talk on “Need of Accreditation and Role of faculties” at S.B.Patil College of Engineering, Pune, (27 Jan 2016).
- Resource Expert for the session of one week STTP on “ Developing Competency for Technical Pedagogy” at Sanjay Bhokare Group of Institutes.(1 Jan 2016)
- Chaired a session on ‘Diversity in Engineering’ during International Conference Transformation in Engineering Education 2016 organized at the College of Engineering Pune. Also presented a paper on ‘Strategic Planning – A case study ‘during the session on Leadership and Governance in the same conference (8 - 12 Jan 2016).

- Resource Person in TEQIP II sponsored staff development two days workshop on “ Outcome Based Education” at Govt. College of Engineering Amaravati (6-7 May 2015)
- Conducted one Day workshop on “Autonomy to Engineering Colleges: Implementation Guidelines” at K. K. Wagh Institute of Engineering Education and Research Nashik, (20 March 2015).
- Resource Person for one Day workshop on ‘Awareness of NBA and Outcome Based Teaching at Yashoda Technical Campus, Satara. ( 7 Feb. 2015)
- Session chair and Speaker for International Conference On “Global Trends In Engineering, Technology and Management” Organized by College Of Engineering and Technology Bambhori, Jalgaon ( 9 - 11 Jan. 2015).
- Chief Guest for Inaugural ceremony and conducting session in STTP on Developing Skills for Technical Pedagog on the subject “Outcome based Teaching-Learning” at Sanjay Bhokare Group of Institutes.(29 Dec 2014)
- Chaired and Introduced Key note speaker Dr. Shriram Ramakrishna, National University of Singapore (NUS) during the session on Attribute for 21<sup>st</sup> Century Engineers, during International Conference on Transformation in Engineering Education held at Hubli (17 – 19 Jan. 2014).
- Resource person for Vijayadevi Dewsh mukh Vyakhanmala, speech on “Importance of Education in Women’s Life”. at Atpadi (29 Sept, 2014 )
- Resource person to start Quality Circles in College of Engineering, Devrukh, Maharashtra (28 Aug 2013).
- Conducted a session during International conference on “Strategic planning for Engineering Institute for effective implementation of growth and development plan-A case study.” (Feb 2013) in Rajarambapu Institute of Technology, Sakhrale.
- Worked as Chairman for session in western regional conference organized by Indian Society for Training and Development, at Pune (Nov 2012)
- Chief Guest for farewell function of Shikshan Mandal, English medium School, Karad ( 1 Feb 2012)
- Chief Guest at Rajarambapu College of Sugar Technology, Islampur, (17 Jan2012).
- Chief Guest at Hazrat Mohobat Suleman Urdu High School, Islampur, (13 Jan2012).
- Resource person for ISTE Student’s convention at Kolhapur Institute of Technology, Kolhapur on “Entrepreneurship”, (March 2011).
- Resource person for 3day workshop on Pedagogy “Challenges in Engineering Education” at Walchand college of Engineering, Sangli (May 2010).
- Worked as coordinator and organised through regional chapter of Indo US Collaboration for Engineering Education sponsored 5 Day workshop on “Improving teaching – Learning through outcome based approach” (Nov 2010).
- Worked as coordinator and resource person for one day workshop for Engineering faculty on “TQM in Engineering education” in Shivaji University (Nov 2008)

- Resource person for three days workshop on “Women Empowerment” at Mathubai Garware Kanya Mahavidyalaya, Sangli ( 29 Aug.2008).
- Resource person for three days workshop on Pedagogies in Engineering Education organised under TEQIP, taken session on “Communication for Effective Teaching” at Rajarambapu Institute Technology (17-19 July 2008)
- Resource Person for in- house three days Academic Orientation Program for newly recruited staff members in the Institute (15 -17 June 2008)
- As promoter of Quality Circle one of our Quality Circles “ASSURED ” presented their Case Study during “International Convention for Quality Circles ICQCC-2007 ” at Beijing, CHINA was awarded Gold Medal Award during the convention to be held on 23<sup>rd</sup> -27<sup>th</sup> Oct.2007 organised by China Association for Quality .
- Resource Person at Marathwada Mitre Mandal’s College of Engineering ,Pune for one day training workshop for first year engineering students on Quality Circle ( 11 Oct 2006).
- Resource Person Tatyasaheb Kore Institute of Engineering and Technology Warnanagar for the seminar on “Women and Professional Competency” ( 8 March 2006).
- Resource Person for Training program conducted for the Assistant Engineers and junior Engineers working in PWD at Kolhapur (28 June 2005 )on the following topics:
  - i. Construction and maintenance of WBM and bitumen roads
  - ii. HRD through Quality Circles
- Organized and conducted one day Training program for School Teachers of VEMS, Sakharale on the topic “Teaching Skills” (30 June 2005).
- Resource Person for Training program conducted for the Assistant Engineers and junior Engineers working in PWD at Kolhapur (28 July 2004) on the following topics:
  - i. WBM roads - Construction techniques, Drainage methods and repair and maintenance measures
  - ii. Bitumen roads - Quantity of Bitumen required for construction of Bitumen Roads and repair and maintenance measures”.
  - iii. Quality Circles - Concept and implementation strategies.
- Resource Person for one day seminar on “Effective Teaching” at Kolhapur Institute of Technology, Kolhapur (5 Sept 2004).
- Resource Person during Short term training program at RIT to conduct a session on “Teach-how to teach” (7 Dec and 28 Dec 2004).
- Resource Person for in- house two day Academic Orientation Program on “Effective Communication for teachers” for newly recruited staff members in the Institute (7 - 8 July 2004)
- Resource Person for STTP on Advances in Quality management Techniques to speak on “Quality circles – Concept and philosophy” at Kolhapur Institute of Technology, Kolhapur (8 June 2004).
- Resource Person and consultant for AICTE sponsored SDP on “Quality circles in Institution Management” at Walchand college of Engineering, Sangli (19, 26 – 28 May 2004). Conducted following sessions:
  - i. Implementation process of Quality Circles

- ii. Quality circles in institution management as a Tool for human resource development – a case Study
- iii. Conducted MOC Quality circles sessions and worked as judge for the QC presentation sessions during the staff development program
- Resource Person for in- house Training program on “Student Counselling Skills” for training the student counsellors (Feb 2004).
- Resource Person for Training program conducted for the Engineers working in PWD on “MOST specifications and Quantity of Bitumen required for construction of Bitumen Roads” at Kolhapur ( 17 Oct 2003).
- Resource Person for Staff Development Program on Mastering the Techniques of Teaching to a take session on “Communication for Effective teaching” and Quality Circles in Technical Education” at Rajarambapu Institute Technology ( January 2003)
- Resource Person for two days workshop on Teaching Techniques to take a session on “Communication for Effective teaching” and Quality Circles in Technical Education”. at Hon Annasaheb Dange college of Engineering, Ashta ( January 2003)
- Resource Person for their Short term course on Total Quality Management at Chintamanrao College of Commerce, Sangli (2001).
- Resource Person on “Quality Circles: Implementation Strategies” at PVPIT, Budhgaon and Walchand College of Engineering, Sangli. (April 2000)
- Conducted training program for student entrepreneurship development program at RIT, Sakharale (In-house), KIT, Kolhapur (1999).

➤ **Seminars / Conferences and STTPS attended**

Attended more than 28 Seminars and Conferences, some attended after 2004 (after taking charge as Principal) are listed below,

1. Indo Universal Collaboration for Engineering Education (IUCEE) Leadership Summit at International Center Goa, Goa at 21<sup>st</sup> and 22<sup>nd</sup> July 2017.
2. NASSCOM Product Conclave – Pune at The Westin, Pune (18 Mar 2017)
3. Professional development workshop “New Deans Mentoring Workshop”, offered during the GEDC 2015 Adelaide global conference, on 30 Nov.2015
4. Fourth International Conference on Transformation in Engineering Education (ICTIEE), at Vardhaman College of Engineering, Hyderabad India.(6-8 Jan 2017)
5. National Consultation Meet on “Internationalization of Higher Education” Jointly Organised by the Association of Indian Universities (AIU) and Savitribai Phule Pune University at the behest of the Ministry of Human Resource Development Government of India, Venue: Hotel Orchid, Near Chhatrapati Shivaji Stadium, Balewadi, Pune. (4-5 Sept 2015)
6. Two Days workshop Titled Growing from ‘ Good to Great’ Strategic visioning Workshop conducted by EPIC at Rajarambapu Institute of Technology (21 – 22 August 2015).



7. First Indian Engineering Dean's Council Global summit on "Engineering Education - Current Scenario and Future Prospects" Held during 31<sup>st</sup> July – 1<sup>st</sup> August, 2015 at GRT Grand – convention centre, Chennai, India.(31 July – 1 August 2015)
8. One Day Interactive session Titled "Importance of Capacity building: Faculty" Organised by Quality Plus at Hotel Pearl Kolhapur (11 July 2015).
9. One Day Program on "Consultation conclave on Blended MOOCs" at IIT Bombay (6 June 2015).
10. Five Days conference entitled '2014 World Engineering Education Forum' (Engineering Education for a Global Community) organized by Dubai International Convention and Exhibition Centre Dubai, UAE (2- 6 December, 2014).
11. Two days Workshop on "TEQIP – II Learning Forum: Good Governance, Leadership and Management" at New Delhi, (14 - 15 October, 2014).
12. One day Workshop TEQIP-IITB on the "Water Sector" at IIT, Mumbai (12 September 2014).
13. One day Conference "Hindustan Times, Shine Dot Com, HR Conclave – The Pune Chapter" at Pune (27 June, 2014).
14. Workshop on "Regional Drinking Water Security" by Information Technology Research Academy (ITRA), New Delhi from 1<sup>st</sup> to 3<sup>rd</sup> January, 2014.
15. Two days vocational skill workshop organised by Mahratta Chamber of Commerce, Industries and Agriculture and EDGE Forum, (12-13 March 2013).
16. One day function on the occasion of "Second Engineering Teachers Day" organised by Engineering Education Foundation and consortium of Engineering colleges at Government Polytechnic, Pune ( 8 Sept 2012).
17. One day workshop, Mr. Vivek Sawant and Dr. Arun Nigvekar "Opportunities in Higher Education", at Shivaji University Kolhapur., (10 August 2012).
18. Four days workshop by Wipro under Mission 10X program on "Advanced academic leadership workshop" at Wipro, Bangalore (22 - 25 April 2012).
19. Seminar on "Improving Employability skills – An Imperative", Siemens Answers Executive Forum, 2011, by Siemens limited in Mumbai, (20 Oct, 2011).
20. "Academic Leadership workshop" organised by Wipro under Mission 10x program at Pune, (8-10 Aug 2011).
21. Three days workshop "Workshop for Principals" by Shivaji University Kolhapur and UGC – Academic Staff College, UOP (28- 30 March 2011).
22. One day International program on "Mastering the Rockfeller Habits" by Mr Verne Harnish, at Hotel Royal Palm, Mumbai, (3 Dec 2009).
23. Programs organized by IUCEE, India at Mysore on a
  - a) "Curriculum Innovation and Quality Assurance: a Roadmap" for Excellence IUCEE Faculty Leadership Institute.(2 – 6 June 2008)
  - b) "Autonomy in Engineering Institutes" for Principal/ director of Engineering institutes (7- 12 July 2008).

24. Two days National conference on “Best Practices in Engineering Education” organized by Engineering Education Foundation ,Pune at Sinhgad college of Engineering, Pune (2 - 3 Feb 2007).
25. Two days National Conference on “Unprecedented results by design-HR Approach” organized by ISTE, New Delhi at Chennai ( 19 - 20 Jan.2007).
26. International workshop on “Outcome based Engineering Curricula” at R.I.T. Rajaramnagar ( 24– 27 Dec.2006).
27. Four days training programme on “Computerized Project Management” at National Institute of Construction Management and Research at Pune ( 14 - 17 June 2006).
28. “Management Capacity Development programme” for directors of engineering colleges at (MDI ) Management Development Institute, Gurgoan (24 - 29 Oct. 2006).
29. International conference on “World of innovations in Structural Engineering” organized by Association of Consulting Civil Engineers at Hyderabad and presented paper on “Total Quality Management- A need of Construction Industry” (2 - 4 Nov 2004).

➤ **Details of Seminar/ Workshop/ Conferences organized**

As a Principal/ Director of the institute organized more than 200 programs in last 10 years which includes 4 International conferences in RIT, joint National conference with Walchand college of Engineering , Sangli, one STTP with DTE, Goa under TEQIP and International Conference on Transformations in Engineering Education 2016 with COEP, Pune and IUCEE.

Some of the details of programs organised up to 2004 (before taking charge as principal)

1. In house one day training program for Office staff and Technical Non – Teaching staff members and organised “Quality Circles – Case Study” Presentations on 27th – 28th Oct. 2004. Shri V.D. Kulkarni, Training Executive Quality Circle forum of India, Pune, conducted the training program.
2. In house one day training program for Technical Non – Teaching staff members on “Quality Circles – Concept and implementation strategies” during 14th July 2004 .
3. In house two day “Academic Orientation program” for newly recruited staff members in the Institute during 7th -8th July 2004.
4. In house Training program on “Counselling Skills” for training the student counsellors during February 2004.
5. Worked as coordinator for AICTE sponsored Staff development program on “Mastering the Techniques of teaching”, during 5th May to 17th May 2003. This program was sponsored by AICTE with a grant of Rs. 2,00,000/-
6. Worked as organizing committee member, attended and presented a paper on “Home energy conservation” during NCECM 2001,11-13 June, 2001 RIT Rajaramnagar.
7. One day seminar on “Latest Trends and Developments in Cement Industry”, August 28, 1997 at R.I.T. Rajaramnagar.

8. Worked as co-coordinator for ISTE Winter School on “Computers in Engineering”, during 1st - 30th Dec. 1997 at R.I.T. Rajaramnagar (4 Weeks).
9. One day seminar on Quality Circles by J.B. Zende, member, QCEC, Pune for teaching staff of K.E. Society’s various schools and colleges at R.I.T Sakharale (Jan 1996)

➤ **Sponsored project by External funding agencies**

1. A project funded by Department of Science and Technology (DST) under FIST on “Advanced Material Research Centre” for Rs. 30,00,000/- was sanctioned in 2013.
2. A project on “A longitudinal Study on Self Efficacies of women in Engineering Education” funded by AICTE under RPS scheme for Rs. 58,000/- in 2013.

**V. Research project Guided at Phd / Post Graduate / Under Graduate Level:**

➤ **Research Project Guided at Ph. D:**

- At present guiding 4 students for their Ph. D programs and 2 Students awarded PhD under Shivaji University, Kolhapur.
- Working as Co-guide / External guide for two students.

**PhD awarded students details:**

- “Development of a model for watershed management in rural area in high intensity rainfall region.” - Mrs. Swami Vidula Arun (2016)
- “Study of Properties of Concrete Made With Recycled Aggregate and Industrial Wastes with special Application to housing.” - Mrs. Neela Kashinath Deshpande (2016)

**Ongoing research of Ph.D students details:**

- “Study of Dispute Resolution Selection Model for Construction Projects with Special reference to B.O.T. Projects” – Mrs. Leena Ritesh Shah
- “A Comparative Study of Pond Ash from Major Coal based Thermal Power Stations in Maharashtra State for Partial Replacement of Cement by Pond Ash for Sustainable Development of Construction Industry” – Shri. Mohammad-Husen Bagwan Khalid
- “Landslides in Western Ghat Maharashtra Shear Rate Dependent Strength Control on the Dynamics of Rainfall Triggered Landslides”- Shri. Atul Jadhav
- “Component analysis of top international Smart Cities for identification of various Parameters of an Ideal Smart City” – Mr. Sushant Waghmare

**Co-guide for Ph.D Student:**

- “Risk Management for Public Private Partnership (PPP) Models in India.” – Mrs. Swati B. Jagdale (Visvesvaraya Technological University, Karnataka).

### **As External Guide for Ph.D Student:**

- “Modelling Nutrient Movement from Warana Basin to Warana River” - Shridhar S. Kumbhar (IIT Bombay)

#### ➤ **M. Tech. Projects guided :**

- Completed: 21 students
- Ongoing: 6 students

#### ➤ **B. Tech. Projects guided :**

- Guided more than 30 students

## **VI. Member of Various Committee / University Appointed Committee**

### ➤ **Distinguished Memberships**

1. Member on Academic Board of Vishwakarma Institute of Information Technology, Pune.
2. Elected as Corporate Member of The Institution of Engineer’s Pune Local Centre Committee – Civil Division for the session 2016-18 session.
3. Member of Vishwakarma Institute of Information Technology’s Academic Council.
4. Membership of Global Engineering Dean’s Council 2016.
5. Fellow of Institution of Engineers, member of the ISTE and All India Association for Educational Research (AIAER)
6. Member of Board of Trustees for the Engineering Education Foundation, Pune.
7. ISTD National Council Member
8. Chairman of Lead Colleges, Shivaji University
9. Member of various committees including the Board of studies for the Department of Technology at the University of Pune; former member of the state level governing body – the Hydrological Data user’s Group (HDUG) for Maharashtra state; Academic Council Member of Walchand College of Engineering, Sangli (Nominated by Shivaji University Kolhapur) and Chairman of the Research Review Committee at Shivaji University.

### ➤ **Other Memberships:**

1. Member on the Technical Advisory Board IonIdea – Engage Excellence (Technological Solution Software), Bangalore.
2. Chairman of Research committee for selection of PhD candidates for the yr 2015- 2016
3. Member of Savitri Purashkar and Ahilyadevi Purashkar selection committee, selected by Nagarpalika Karyalaya, Islampur through letter dated on – 21 Jan 2012.
4. Member of Department Research Committee for PhD programs in shivaji University from 2010- 11.

5. Recognized by Shivaji University, Kolhapur as PG teacher in Civil Engineering (Construction and Management)
6. Recognized by Shivaji University, Kolhapur to guide PhD students in Civil Engineering
7. Member of Research Scrutiny Committee for Ph.D. synopsis in Civil engineering from the year 2005-06.

## **VII. Best Practices / Innovative Initiatives at RIT**

- Strategic Planning for five years
- Reading club activities for students and faculty
- Urja Prakalp for self analysis and development of students and Student Counselling by Professionals
- Quality Circles for faculty development
- Industry Interaction – Saturday Club Meeting with Industry in RIT
- Research & Development Practices to develop research culture like SEED Funding, IDEA register, Project exhibition, one product commercialized
- Centre for Innovation Incubation and Entrepreneurship Development and Finishing school
- Implemented OBE and CBCS with option for internship/ research with major project/ entrepreneurship/ electives with project in final semester
- Use of ICT like Moodle, MOOCS, NPTEL, QEEE lectures and Active teaching methods
- Rigorous Professional Skills Development for improving Employability
- Global awareness and education cell/ foreign languages (German/Japanese)
- Preparing students for higher education/ employment by special coaching through competitive exam cell for GATE/ GRE/ MPSC
- New Library constructed with the concept of Open resource and reading centre

Place: Islampur

Date:

Dr. Mrs. Sushma S. Kulkarni,  
Director, RIT