

Name of Teaching Staff : Dr. K.N. Vijaya Kumar  
Designation : Professor & Head,  
Department : Mechanical Engineering  
Date of Joining the Institution : 18.9.2012



Qualifications with Class/Grade : 1. Ph.D (Tech.) Mechanical Engg. University of Mumbai, 2008  
2. M.E. (Mech.) Machine Design, SPCE with Ist Class (69.00%), 2001.  
3. M.E. (Mgmt.) SJCE with Ist Class (61.00%), 1990.  
4. B.E. (Mech.) P.D.A.LOE with Ist Class (71.81%), 1987.  
5. D.M.E. Govt. Polytechnic, Bellary.

Total Experience in Years : **Teaching: 27** years  
1. Professor, D.J.Sanghvi College of Engineering from 18-9-2012 till date.  
2. Professor & Vice Principal – SIT Lonavala from Jul'2011 to 17-9-2012.  
3. Professor & Head SIT Lonavala from Jan'10 to Jul'11.  
4. Assistant Professor, Fr. CRCE from May'09 to Dec'09  
5. Lecturer (Sl. Grade) Fr.CRCE Jan'98 to Apr'09  
6. Lecturer VESIT from Jun'93 to Dec'97.  
7. Lecturer Fr. CRCE Jan'93 to Jun'93.  
8. Lecture SESCOE Jan'90 to Sep'92.

Industry: ----

Research: ---

#### *Papers Published:*

##### **National: 9**

1. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, "Quality improvement in Manufacturing – A Data mining approach" Proceedings of National Conference on Management Science and Practice, IIT Chennai 9-11, March 2007.
2. Dr. K.N. Vijay Kumar, Mr. M. Ravindran, Mr.Rajit R. Nair, "Quality Aspects in Manufacturing a Deodorizer – A Case Study", Journal of Indian Institute of Industrial Engineering, XXVI No. 9, September 2007, Pg 35-38.
3. Dr. Arun Kumar, Dr. S.S. Mantha, Dr. K.N. Vijay Kumar, Sahij Singh Gadu, "Quality Improvement using Statistical Process Control – A Case Study", Journal of Indian Institute of Industrial Engineering, XXXVI No. 10, October 2007, Pg 27-31.
4. Gautam V. Divekar, Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, "Rejection Analysis Based on First Pass Yield – A Case Study", Journal of Indian Institute of Industrial Engineering, XXXVI November 2007, Pg 31-36.
5. Dr. K.N. Vijay Kumar, A D Lonkhonde Investigation into feasibility of establishing Remanufacturing Industry, Proceedings of NCTIME 2010, K.K. Wagh college of Engg. 5-6 Oct 2010.
6. KavitaDhanawade, V.K. Sunnapwar, HanamantDhanawade, B.A. Mujawar, Dr. K.N. Vijay Kumar, Thermal analysis of solid and perforated extended surface by forced convection – an overview, JP Journal of heat and mass transfer Vol. 5 No. 2, 2011, pp, 133-147.
7. T.C. Manjunath, Dr. K.N. Vijay Kumar, Suhasini V.K., "Lossless compression in artificial images" Proceedings of VIT National Conference 2012 Recent Advances and Challenges in Engineering and Management" Mumbai, March 2-3 2012.

8. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, "Measurement System Analysis for Improving Quality – A Case Study", Journal of Indian Institute of Industrial Engineering, Accepted for publication.

9. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, "uncertainty in Measurement – A Review", Journal of Indian Institute of Industrial Engineering, Accepted for publication.

#### **International: 5**

1. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, "MCUSUM Control Charts for improving Quality", Proceedings of International Conference on Advanced Manufacturing Technologies, CMERI Durgapur, 29-30, November 2007.

2. Dr. K.N. Vijay Kumar, Suhasini K.V. Spatial, "Data mining application to traffic analysis" Proceedings of International Conference Applications – 2010. Pondicherry, 24-27 Dec, 2010.

3. T.C. Manjunath, Dr. K.N. Vijay Kumar, Suhasini V.K. "Simulation of a Shortest Path using Pixel Method in Robotics Path Planning" International Conference and workshop on Emerging Trends in Technology is published in ICWET2 proceedings with IJCA on March 09, 2012.

4. Dr. K.N. Vijay Kumar, Dhanawade H.S. Thermal Analysis of perforated fin arrays and arrays with cross fin at centre an Overview International Journal of Emerging Technologies and application in Engg., Technology and sciences, ISSN No. 0974-3588, Vol. 4 Issue 2 Page 182-187.

5. T.C. Manjunath, Dr. K.N. Vijay Kumar, Suhasini V.K. "Control of Stationary Robots using Visual Basic Software" International Conference and workshop on Emerging Trends in Technology is published in ICWET2 proceedings with IJCA on March 09, 2012.

#### *Papers Presented in Conferences:*

#### **National: 5**

1. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, "Six Sigma and Statistical Methods in R & D and Manufacturing", 48th National Convention of Multidimensional Concepts and Approaches for Continual Improvement in the E-Millennium, Indian Institute of Industrial Engineering Bangalore, September 29-30 2006

2. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Lalit Prasad, "Multivariate capability indices for Quality improvement – A review", National Conference on Trends in Advance Manufacturing NCAM (2007) at Fr. CRCE Bandra, Mumbai, 19th – 20th October 2007.

3. T.C. Manjunath, Dr. K.N. Vijay Kumar, Suhasini V.K. "Template matching techniques using pattern recognition concepts" National Conference on Computer, Communication and Information Technology (NC3IT 2012) Pandharpur, on 18-19 Feb, 2012.

4. T.C. Manjunath, Dr. K.N. Vijay Kumar, Suhasini V.K. "Development of a jacobian matrix for vertical axes robots" National Conference on Computer, Communication and Information Technology (NC3IT 2012), Pandharpur on 18-19 February 2012.

5. T.C. Manjunath, Dr. K.N. Vijay Kumar, Suhasini V.K. "Separation of foreground & Background objects in image proceedings" VIT National Conference 2012 Recent Advances and Challenges in Engineering and Management, Mumbai, March 2-3, 2012.

#### **International: 3**

1. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, "Quality Improvement Using Multivariate Statistical Process Control", International Conference on Quality Management Practices for Organizational Excellence, by ITM and NCQM at ITC Grand Central Parel, Mumbai, 16th & 17th August, 2007.

2. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, “MEWMA Control Charts for Complex Processes”, International Conference on Advances in Manufacturing Engineering at Manipal Institute of Technology, Manipal, Karnataka 24-26 October 2007.

3. Dr. K.N. Vijay Kumar, Dr. S.S. Mantha, Dr. Arun Kumar, “Measurement system analysis with attribute data – A case study” 9th International Symposium on Management and Quality Control, Indian Institute of Technology, Chennai, November 21-24 2007.

PhD Guide? Give field & University : Field: TQM.WCM,---  
University: ---Pune,  
Mumbai,JJTU,Pacific-  
PhDs / Projects Guided : PhDs : 1  
Projects at Masters level: 4

Books Published / IPRs / Patents

Professional Memberships : ISNDT  
Indian Institution of Industrial Engineering  
ISTE,ISME

Consultancy Activities : --  
Awards : --  
Grants fetched : --  
Interaction with : --  
Professional Institutions