

Curriculum Vitae

Dr. Narayana pillai Rajeev

Present occupation : Associate Professor

Institute : Department of Mechanical Engineering
N. S. S. College of Engineering,
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Date of Birth : 20th May 1969

Permanent Address : Sreeragam, Sanyasi parambu,
Near Rail Nagar, Olavakkode (PO),
Palakkad. 678 003.
Kerala, INDIA.

Nationality : Indian

Professional Membership : Fellow – The Institution of Engineers (India)
Life Member – The Indian Society for Technical Education

Objective

To embark upon a challenging career globally in the area of Production Engineering and Operations Management, where I can enhance my international research and teaching experience for the contribution to the benefit of the academia.

Educational Qualifications

1. **PhD**, Industrial Engineering and Management, **Indian Institute of Science, Bangalore.**
August 2004 – May 2008, CGPA – 6.5/8.0
2. **Master of Technology** in Production Engineering, **Government Engineering, Trichur, University of Calicut, India.** 1994-96, CGPA – 75%

3. **Bachelor of Technology** in Mechanical Engineering, **University of Kerala, (TKM College of Engineering) Quilon, India.1988-92, 64.175%**

Research Experience

Doctoral Research Work at Department of Management Studies, Indian Institute of Science, Bangalore from August, 2004 to May, 2010.

Supervisor : Dr. M.H. Bala Subrahmanya, Professor.

Research topic : Study of the extent and diversity of Inventory Management Practices that pursued by Indian Small and Medium Manufacturing Enterprises (SMEs) which would enable them to achieve better Inventory Management as well as Economic Performance.

Research Methodology

- Theoretical framework and Hypothesis generation based on Literature review.
- Development of necessary variables for the measurement of relevant concepts.
- Validation by Ex Post Facto Exploratory Research using Primary Data.
- Data Collection using structured questionnaire by having personal interviews.
- Rigorous quantitative analysis using statistical methods for testing the models.
- Policy implications based on the interpretation of the results.

Research Interests

Primary research interest focuses on **Industrial Management** covering problems and prospects of SMEs, Inventory management and its impact on the Economic performance of manufacturing enterprises.

Work Experience:

Associate Professor in the Department of Mechanical Engineering, N.S.S. College of Engineering, Kerala, INDIA from **October 2011-till date**. (The institute is affiliated to University of Calicut, approved by All India Council for Technical Education. (AICTE) and aided by the Government of Kerala, India.)

Selection Grade Lecturer in the Department of Mechanical Engineering, N.S.S. College of Engineering, Kerala, INDIA from **October 2008- October 2011**.

Senior Lecturer in Department of Mechanical Engineering, N.S.S. College of Engineering, Kerala, INDIA from **October 2003-October 2008**.

Lecturer in Department of Mechanical Engineering, N.S.S. College of Engineering, Kerala, INDIA from October **1998-October 2003**.

(Total Academic Experience: 16 years)

Teaching Methods : Lectures, Tutorials, Interactive Sessions, Laboratory Sessions, Assignments, Mini Projects etc. (Assignments and Mini Projects include field work also)

Publications and Conference Papers

- Aswathy VG and Rajeev N (2015), “Optimization in Turning of Ti-6Al-4V Using Anova and Regression Analysis”, International Journal of Research in Applied Sciences and Engineering Research, Vol 3, Issue 1X, pp 444-449.
- M K Faseela and Rajeev, N. (2015) “Enterprise Resource Planning (ERP) and Economic Performance: An Exploratory Study of Manufacturing Enterprises in India, International Journal of Engineering Research and Management, Vol 2, Issue 3, pp 41-45.
- Aswathy VG and Rajeev N (2015), “Effect of Machining Parameters on Surface roughness, Material removal rate and Roundness error during the wet turning of Ti-6Al-4V alloy”, International Journal of Applied Sciences and Engineering Research, Vol 4, Issue 1, pp 1-10.
- **Rajeev, N.** (2014) “Inventory Management Practices in Small and Medium Machine Tool Enterprises in India: What Differentiate between enterprises?” Vol 2, No 04, Asian Journal of Management Sciences.
- **Rajeev, N.** (2014). “Factors discriminating inventory management performance: An exploratory study of Indian machine tool SMEs, Vol 7, No 03, journal of Industrial Engineering and Management.
- **Rajeev, N.** (2010) ‘Inventory Management Performances in Indian Machine Tool SMEs: What Factors do Influence them? 3 (3), Journal of Industrial Engineering and Management, pp.542-560.
- **Rajeev, N.** (2010). “An Evaluation of Inventory Management and Performance in Indian Machine Tool SMEs: An Exploratory Study, Vol 7, Issue 4, International Journal of Innovation and Technology Management, pp.405-422.
- **Rajeev, N.** (2008) Do Inventory Management Practices Affect Economic Performance: An Exploratory Study of Machine Tool SMEs in Bangalore, Vol.3, Issue 4, International Journal of Management Science and Engineering Management, pp. 312-320.
- **Rajeev, N.** (2008) “Inventory Management in SMEs: A Study of Machine Tool Enterprises in Bangalore’, 31 (9), Management Research News, pp.659-669.
- **Rajeev, N.** (2008) “Inventory Management Performance in Indian Machine Tool SMEs: What Factors do Influence them? **Paper presented at IEEE International Conference on Industrial Engineering and Engineering Management, Singapore.**
- **Rajeev, N.** (2008) An Evaluation of Inventory Management and Practices in Indian Machine Tool SMES: An Exploratory Study **Paper presented at IEEE Conference on Management Innovations and Technology, Bangkok**

- **Rajeev. N (2007) Do Inventory Management Practices Affect Economic Performance? An Empirical Evaluation of Machine Tool SMEs in Bangalore, Paper presented at IEEE International Conference on Industrial Engineering and Engineering Management, Singapore**
- **Rajeev. N (2007) Do Inventory Costs Affect the Economic Performance? An Empirical Evaluation of the Machine Tool SMEs in Bangalore, Paper presented at 13th Asia-Pacific Management Conference, Australia**
- **Rajeev. N (2007) “Inventory Management in SMEs: A Study of Machine Tool Enterprises in Bangalore” Paper presented at National Conference on Management Science and Practice, (SERC 2007), August 02 - 04, 2007, IIT, Madras.**
- **Rajeev.N.(2003) “Logistics and supply chain Management” Presented at “National Conference on Advances in Manufacturing Technology”, February 15&16, 2003, NSSCE, Palakkad.**

Courses offered at the various Semester levels:

- 2014 and 2013** : Course on **Operations Research** for Sixth Semester Mechanical. (Contents: Linear Programming Problems, Transportation Problems, Queuing Theory, Theory of Games, Dynamic Programming etc.)
- 2013, 2012 and 2011** : Course on **Quantitative Techniques for Managerial Decisions** for Fifth Semester Electronics & Communication. (Contents: Decision Making, Network Analysis, Inventory Control, Linear Programming Problems, Transportation and Assignment Problems)
- 2012, 2011, 2010 and 2004** : Course on **Operations Management** for Eighth Semester Mechanical. (Contents: Decision Making, Inventory Control, Network Analysis, Replacement Theory, Sequencing, Forecasting, etc)
- 2002 and 2003** : Course on **Marketing Management** for Fifth Semester Mechanical. (Contents: Concepts of Marketing, Marketing Planning, Marketing Research, Marketing Publicity etc.)
- 2002, 2001, 2000, 1999 and 1997** : Course on **Operations Research** for Eighth Semester Mechanical. (Contents: Linear Programming Problems, Transportation Problems, Theory of Games, Queuing Theory, Dynamic Programming etc.)

- 2001 and 2000** : Course on **Industrial Engineering** for Seventh Semester Mechanical. (Contents: Decision Making, Inventory Control, Sequencing, Network Analysis, Forecasting, Production Planning and Control etc.)
- 1999 and 2001** : Course on **Industrial Management** for Seventh Semester Electronics & Communication (Contents: Personal Management, Job Evaluation, Costing etc.)
- 1999 and 2000** : Course on **Industrial Engineering** for Eighth Semester Electrical & Electronics (Contents: Decision Making, Inventory, Network Analysis, Statistical Quality Control etc.)
- 1999 and 1998** : Course on **Industrial Management** for Sixth Semester Mechanical. (Contents: Principles of Management, Job Evaluation, Cost Control etc.)
- 1992** : Course on Production Technology 1& 2 for Sixth and seventh Semester Mechanical. (Metal cutting, cutting force analysis. Machine tool dynamics, and tool life etc.)

Expertise in Statistical Analysis

- Testing of Hypothesis, Analysis of Variance, Principal Component and Common Factor Analysis, Confirmatory Factor Analysis, Multiple Regression Models, Quantile Regression Models, Logistic Regression Analysis, Multiple Discriminant Analysis etc.

Projects Guided

- Development of Students Information System.
- Development of a System for Solving Linear Programming Problems using Simplex Algorithm

Administrative Positions held at N. S. S. College of Engineering, Palakkad.

- Coordinator, Placement and Training Information Bureau from August, 2013 onwards
- Assistant Warden, N S S Engineering College Hostels from 1998 February to 1999 May.
- Staff in Charge of BTech. Admissions 2012 and 2000.
- Convener (Training), Placement Training and Information Bureau 2011 - 12.
- Staff in Charge of the Department Fund from 2012 to 2014.

Other Achievements

Delivered expert lectures for various short term courses conducted for the faculty of AICTE approved Engineering Colleges (Topics: Effective Communication, Presentation Skills, Conflict Management, Significance of SMEs in India etc.)

Discussant at International Conference on Education, Government of Kerala, First Annual Max Planck India Workshop on Entrepreneurship, Innovation and Economic Growth, March 29–31, 2006, Indian Institute of Science, Trivandrum.

Details of Short Term Courses to Credit

(Conducted for the faculty of AICTE approved Engineering Colleges)

Sl. No.	Course	Institution	Conducted by
1	Workshop on Energy Audit	ANERT, TVM.	ANERT, TVM.
2	Modern Measurement Techniques in Fluid Mechanics	IIT, Kanpur	QIP
3	Induction Training Programme	CET, TVM	ISTE
4	Basic Management Skills and Effective Communication Techniques	NSSCE, Palakkad	ISTE
5	Institutional Planning and Management	SJCE, Mysore	AICTE/ ISTE
6	Computational Fluid Dynamics	CET, TVM	ISTE
7	Basic Management Skill Development	NSSCE, Palakkad	ISTE
8	Environmental Issues in Technical Education	NSSCE, Palakkad	ISTE
9	Instructional Skills	CET, TVM	DTE
10	Recent Trends in Computers and their Application in Technical Education	CET, TVM	DTE
11	Helping Students to Develop Better Learning Skills and Habits	NSSCE, Palakkad	ISTE
12	Counselling and Motivation Techniques	CET, TVM	ISTE
13	Resource Management and Infra structure Development for the Dawning Millennium – Remind 2K.	NSSCE, Palakkad	ISTE