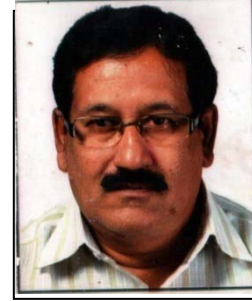


## FACULTY PROFILE

**Name** : **Dr. VINOD S PURANIK**



**Designation** : **Professor and HOD**  
**Department** : **Industrial and Production Engineering**  
**Employee ID** : **TIP009 (AICTE-1-479642741)**  
**E mail ID** : **[vspip@becbgk.edu](mailto:vspip@becbgk.edu), [vinodpuranik36@gmail.com](mailto:vinodpuranik36@gmail.com)**  
(College official ID),  
(Personal mail ID)

**Contact details** : **Mob: 9880224730**

**Orcid ID** : **0000-0002-8165-4174**  
**Scopus ID** : **23974944100**  
**Vidwan Id** : **124966**  
**Researcher ID (Web of Science)** : **AAA-6255-2021**  
**Google Scholar ID** : **hoviy0cAAAAJ**

**Qualification** : **PhD**

**Professional Experience**  
Teaching experience : **36 years 2 months**  
Industry experience : **Nil**

**Administrative Responsibilities** :

- Working as Professor and Head, Department of Industrial and Production Engineering, from 2018-till today
- Served as Local Inquire Committee constituted by the VTU, Belgaum during 2020-2021 to inspect Engineering Colleges to grant affiliation
- Member, Board of Studies (UG) and (PG) in IPE. IEM and manufacturing Engineering, Visvesvaraya Technological University (VTU) Belgaum from 2019 till today
- Member Secretary, Academic Council, Basaveshwar Engineering College Bagalkot during 2008-2015
- Worked as HOD Management Studies, Basaveshwar Engineering College Bagalkot during 2009-2015
- Worked as HOD Department of Industrial and Production Engineering Basaveshwar Engineering College Bagalkot ,2007
- Served as Coordinator Examination Section Basaveshwar Engineering College Bagalkot during 2007-2009
- Served as National Board of Accreditation (NBA) Committee

- member AICTE June 2006
- Served as College Coordinator Strategic Management during 2003-06
- Session chair/Resource person in Workshops/Seminars/International conferences organized by professional agencies in India and Abroad

**Teaching** :

**No. of Projects Guided**

UG : **50**

PG : **10**

**Research**

Interest Area :

1. Industrial Engineering
2. Management techniques
3. Energy Management
4. Scheduling
5. Lean manufacturing and management
6. Additive manufacturing

**No. of Research Scholars**

Pursuing : **07**

Awarded : **06**

**Research Grants** :

Research promotion scheme Under AICTE titled “ Development of Expert System for Energy Management of Small and Medium Scale Industrieswith grant of 7.0 Lakhs during 2007-2009

**Publications** :

**Journals (with citations)**

1. Fundamental Analysis of Indian Petroleum PSU's and Influencing Factors on Petroleum Prices-Forecasting the Near Future of Petroleum PSU stocks GV Goud, VS Puranik, NS Kumar International Journal of Management, IT and Engineering 9 (6), 89-105 2019
2. Social Enterprise Policies in India: An Exploratory Study NS Kumar, VS Puranik International Journal of Management, IT and Engineering 9 (8), 123-136 2019
3. Developing agility system in supply chains GH Rathod, VS Puranik, V Hiremath International Journal of Business and Systems Research 13 (2), 247-258 2 2019
4. Ramesh S. Naik , . Geetanjali V. Patil and VS Puranik Knowlrdge Management Model for New Global Economy :Overview International Journal for Scientific research and Development Issue No:1 (ISSN No:23210613 March 2018
5. Ramesh S. Naik , . Geetanjali V. Patil and VS Puranik QUANTITATIVE AND QUALITATIVE ANALYSIS OF ORGANIZATIONAL PERFORMANCE International Journal of Engineering Applied Sciences and Technology, 2017 Vol. 2,

6. VirupakshGoud,and VS Puranik A Study on Exploring the Diversified Stakeholder's Response in Adopting Change Management Practices to implement Privatization PolicyThe Journal of Institute of Public Enterprise No. 1&2 ISSN : 0971-1864, © 2018 June 2018
7. Quality Management Study of Linen and Laundry Service at A Tertiary Care Hospital MC Goudar, VS Puranik, SA Kori International Journal of World Research 1, 26-33 2 2016
8. MC Goudar, VS Puranik, SA Kori Emerging Role and Importance of Total Quality Management in Hospital Management Systems Asia Pacific Journal of Research XLpp 130-136 June 2016
9. A Promising Initial Population Based Genetic Algorithm for Job Shop Scheduling Problem V. S. Jorapur, V. S. Puranik, A. Deshpande, Mahesh Sharma Computer Science 11 May 2016
10. VirupakshGoud,and VS Puranik Disinvestment in State of Public Enterprises in India; A Critical Analysis International Journal of Management Research and Review issue 9 Oct 2016
11. VS Jorapur, VS Puranik, AS Deshpande, M Sharma Journal of Software Engineering and Applications 9 (05), 208 15 2016
12. VirupakshGoud,and VS Puranik Literature Review on Privatization to develop Privatization Model International Multi-disciplinary research Journal- Golden research Thoughts issue 2 ISSN: 2231-5063 august 2016
13. Evaluation of Aggregate Risks in Sustainable Manufacturing Using Fuzzy Multiple Attribute Decision Making Gopinath H. Rathod, Vinod S. Puranik Computer Science 23 January 2015
14. Comparative study of different representations in genetic algorithms for job shop scheduling problem V Jorapur, VS Puranik, AS Deshpande, MR Sharma Journal of Software Engineering and Applications 2014 11 2014
15. VirupakshGoud,and VS Puranik Indian disinvestment Performance evaluation Between NDA & UPA government International Journal of Research in Commerce, Economics & Management VOLUME NO. 4 ISSUE NO. 07 pp 11-14 ISSN 2231-4245 2014
16. Ramesh S. Naik , . Geetanjali V. Patil and VS Puranik Human Resource Management Model for New Global Economy overview Journal of Research in Commerce Economics &Management VOLUME NO. 4 pp 40-44 ISSN 2231-4245 2014
17. GH Rathod, VS Puranik Evaluation of risk using multiple attribute decision making system for Sustainable manufacturing International Journal of Arts and Science ISSN 1944-6934 2014
18. Life cycle assessment and simulation: enablers of sustainable product design G Rathod, VS Puranik IJRET, International Journal

19. Research issues in detection of bottlenecks in discrete manufacturing systems—a review VS Jorapur, VS Puranik, AS Deshpande International Journal of Engineering Research & Technology 1 (8) 2 2012
20. V.S. Puranik & Anand Mishrikoti Productivity Improvement and Energy conservation by Lean Supply Chain- Vendor International Journal of Industrial Engineering Practice Volume 4 • Issue 2 ISSN-0974-7745 2012
21. Energy management study in sugar industries by various bagasse drying methods GS Yarnal, VS Puranik Strategic Planning for Energy and the Environment 29 (3), 56-78 9 2010
22. V.S Puranik and Anand H Mishrikoti Productivity Improvement Through Applications of Lean Methods by layout Redesign International Journal of Industrial Engineering Practice Vol.4 Issue No.1 Issue22-37 ISSN-0974-7745 2012
23. Energy management in cogeneration system of sugar industry using system dynamics modeling GS Yarnal, VS Puranik Cogeneration and Distributed Generation Journal 24 (3), 7-22 8 2009
24. Improved method of bagasse drying for energy saving in sugar industries. VS Puranik, GS Yarnal International sugar journal 111 (1329), 572-581 2 2009
25. V.S Puranik and Anand H Mishrikoti Implementation of LEAN manufacturing in small Scale Industry- Issues and Expectations, International Journal of Industrial Engineering Vol.3 No1 2011 pp 9-13
26. V.S Puranik and Anand H Mishrikoti Energy Conservation Through Productivity Improvement by Lean Manufacturing in Small Scale Industry-Review International Journal of Industrial Engineering Practice Vol.2 No.2 49-55 ISSN-0974-7745 2010
27. Vinod S. Puranik Geethanjali S. Yarnal **2. Energy Management Study in Sugar Industries by Various Bagasse Drying Methods** ; Strategic Planning for Energy and the Environment, Volume 29, Issue 3 January 2010 , pages 56 - 78
28. **V S Puranik and G. S. Yarnal .Improvement method of Bagasse Drying for energy saving in Sugar Industries** V. S. International Sugar Journal Vol 111 issue no 1329 pp 572-581 Vol.2 No.2 2010 **pp** 49-55
29. V.S. Puranik and Anand H. Mishrikoti Energy Conservation Through Productivity Improvement by Lean Manufacturing in Small Scale Industry-Review ,International Journal of Industrial Engineering
30. V. S. Puranik and G. S. Yarnal **“Energy Management in Cogeneration System of Sugar Industry Using System Dynamics Modeling”** Cogeneration and Distributed Generation Journal Issue: Volume 24, Number 3 / Summer 2009 Pages: 7 – 22
31. System Dynamics Modelling Approach For Energy Management in a Sugar Industry. GV Patill, GS Yarnal, VS Puranik Journal of Contemporary Research in Management, 21-40 4 2008
32. R. Rudramoorthy, **Vinod S Puranik**, Velavan“ Development of Effective Energy Monitoring and Targeting System for a foundry Industrial Product finder Electronics version

[www.industrialproductfinder.com](http://www.industrialproductfinder.com) Nov-2003

33. **Vinod S Puranik** and R Minakshi, Sundaram "Energy conservation Through Effective Methodology in Iron Foundries " Journal (Indian Foundry Journal) Vol 48.No 5 / May 2002 pp 40-43
34. Vinod S Puranik, R. Rudramoorthy, A. Rajeshwaran "Energy Control in Spinning Mills". Journal (Institution of Engineers-India) Vol 81 August 2000 pp 05-09

## Conferences

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1. **VinodS.Puranik**, "CUSUM Quality Control Chart for Monitoring Energy Use Performance", published in "International Engineering Management Conference 2007", held at Singapore During December 2<sup>nd</sup> –5<sup>th</sup> December 2007
2. **VinodS.Puranik**, G. S Yaranal, S.D.Kulkarni, " System Dynamics Modelling Approach for Energy Management in Sugar Industries ", published in National Conference on World Class Manufacturing Practices,2-3 April 2007., BEC, Bagalkot.
3. R.D Grampurohit and **Vinod S Puranik**," Improving Lean Management Operation Using Decision Support System in Functionality published in National Conference on World Class Manufacturing Practices,2-3 April 2007., BEC, Bagalkot
4. R.D Grampurohit and **Vinod S Puranik**," Improving Lean Management Operation Using Decision Support System in Functionality of Warehouse Management System" IIIIE 48<sup>th</sup> National Industrial Engineering Conference, Bangalore 2006
5. **VinodS.Puranik**, G. S Yaranal, S.D.Kulkarni, " Energy Management Studies on Sugar Industries ", published in National Conference on Business Research at P.S.G. college of Management Coimbatore during 2-3 December 2005
6. **VinodS.Puranik**, G. S Yaranal, S.D.Kulkarni, " Management information model for energy saving analysis in small and medium scale industries ", published in "All India seminar on "Emerging trends in Energy conversion and Manageemnt" held at Roorkee during November 11-12 2005
7. **VinodS.Puranik**, G. S Yaranal, S.D.Kulkarni, " Analysis of Energy Conservation Opportunities And Energy Audit In Sugar Industries ", published in "All India seminar on "Emerging trends in Energy conversion and Manageemnt" held at Roorkee during November 11-12 2005
8. **VinodS.Puranik**, G. S Yaranal, S.D.Kulkarni, "Management Information System for Energy and Environmental Aspects of Small and Medium Scale Industries", published in "International Engineering Management Conference 2004", held at Singapore During October 18-21 2004.
9. R. Rudramoorthy, **Vinod S Puranik**, "Energy Management Model for Foundry Electrical Utilities" - Proceedings of National Conference on Business Research held at PSG Institute of Management, November 16 th-17<sup>th</sup> 2002 pp 150-160.

10. R. Rudramoorthy, **Vinod S Puranik**, R. Velavan “Study of Environmental Pollution and Measures In Textile Processing Sector- A case study” - Proceedings of National Conference on Industrial pollution and environmental degradation held at PSG College of Technology, 14-15 September 157-162
11. R. Rudramoorthy, **Vinod S Puranik**, R. Velavan “Modelling for Energy and Fuel Utilisation in a Foundry” - Proceedings of National Conference on processing of Metals held at PSG College of Technology, January 31 & February 01,2002 pp469-479.  
  
R. Rudramoorthy , Vinod S Puranik, . C. Visvanathan,.S.Kumar “Need for Energy efficiency and promotion of cleaner production in the foundry Sector in India”( EMMI 2000) published on EMMI-2000 International conference at BHU-Varanasi pp 329-335
13. R. Rudramoorthy, **Vinod S Puranik**, Velavan “ Development of Effective Energy Monitoring and Targeting System (EEMTS) for a foundry using Statistical Model Technique” for International seminar (ICME-2001.department of mechanical Engineering Bangladesh University of Engineering and Technology (BUET) held on December 26-28 2001 BUET campus Dhaka pp 27-31.
14. R. Rudramoorthy , Vinod S Puranik, Velavan, A. Rajeshwaran “The Reengineering process approach for energy efficiency and pollution free environment in foundries”(EMMI 2000) published on EMMI-2000 International conference at BHU-Varanasi pp 39-43
15. **Vinod S Puranik**, . R. Rudramoorthy, A. Rajeshwaran “Study of Energy Efficiency improvement in a Medium scale Spinning Mill- Proceedings of National seminar organised by Indian Institute of Plant Engineers held at Bangalore 16-17 December 1999, pp 40-51R. Rudramoorthy, M. Arasu,
16. R. Rudramoorthy, **Vinod S Puranik** and R Velavan “Energy Efficient and Environmentally Sound Technologies (E3ST) for Indian Foundries" Journal (Indian Foundry Journal) Vol 49.No 8 ,August 2003 pp 30--38
17. R. Rudramoorthy, **Vinod S Puranik**, A. Rajeshwaran “Energy Control in Spinning Mills” - Proceedings of 14th National Convention of Textile Engineers held at PSG College of Technology, 11-12 January pp18-26
18. R. Rudramoorthy, **Vinod S Puranik**, Mr R. Velavan “ Necessity of energy Efficient and Environmentally Sound Technologies for Small and Medium Scale Foundry Sector” Proceedings of one day seminar on Strategy for Sustainability of Energy Efficient & Environmental Friendly Technologies in Small and Medium Scale Sector November 24 2000, pp 1-11
19. R. Rudramoorthy, **Vinod S Puranik**, Mr R. Velavan “ Energy and Environmental audit analysis of Textile Industry through Case Studies ” Proceedings of one day seminar on Strategy for Sustainability of Energy Efficient & Environmental Friendly Technologies in Small and Medium Scale Sector November 24 2000, pp 12-20
20. R. Rudramoorthy ,**Vinod S Puranik**, Velavan“Information Technology for Energy and Environmental Data Analysis for a Foundry Industry” for the 49<sup>th</sup> Indian Foundry Congress held during, February 16<sup>th</sup> to 18<sup>th</sup> 2001 at New Delhi. pp 149-55
21. R. Rudramoorthy , **Vinod S Puranik**, Velavan

- “Computational Energy Management of the Charging Process in a Foundry” for the National Seminar on Non Conventional Energy Sources in Community Development during, February 16-17, 2001 at Annamalai University AnnamalainagarTamilnadu. pp 21-25
22. Development of effective energy monitoring and targeting system (eemts) for a foundry using statistical model technique R Rudramoorthy, VS Puranik, R Velavan 4-th International Conference on Mechanical Engineering. Dhaka, Bangladesh ... 1 2001
  23. R. Rudramoorthy , **Vinod S Puranik**, Velavan “Energy Economics of energy efficient motors for electrical energy conservation “ for the National conference on “ Energy conservation and management (NCECM-2001)” on Jun 11-13 2001 at Rajarambabu Institute of technology Rajaramnagar, Sakharale, Islampur, Sangali PP21-25
  24. R. Rudramoorthy, **Vinod S Puranik**, Velavan“Identification, assessment and control of pollution in Indian Foundries” - of National Conference on Industrial pollution and environmental degradation held at PSG College of Technology, 14-15 September 140-147
  25. **VinodS.Puranik**, “Statistical Modelling for Energy and Fuel Utilisation in a Metal Processing Industry, Presented in national Conference on advances in Material and their processing during Dec 22<sup>nd</sup> to 23<sup>rd</sup> at Basaveshwar Engineering College Bagalkot
  26. **VinodS.Puranik** “Taguchi Methods a revolutionary approach to quality management”, National Conference on “Intelligent Manufacturing Systems” during February 6-7 1998 at Coimbatore Institute of Technology , Coimbatore.

### **Invited Talks**

- :
1. Guest lecture on one day workshop on Energy Management at BLDEA’s Engineering College September 2014
  2. Delivered expert talk on "Role of curriculum in curriculum development process" in FDP on Curriculum Development in Technical and vocational Education through Quality Function Deployment (QFD) Technique held during 28th May to 7th June 2013 organized by BVVS Polytechnic, Bagalkot

### **Events Organized**

- :
1. Organized three days “Entrepreneurship Awareness Programme” from 16.11.12 to 18.11.12

2. Organizer for National Conference on “World Class Manufacturing Practices” (WCMP-07) organized by the Department of Industrial and Production Engineering, Basaveshwar Engineering College, Bagalkot under TEQIP
3. TEQIP sponsored short term program on Recent Trends in Industrial Engineering, organized by Basaveshwar Engineering College, Bagalkot, 26 th February to 02 nd March 2007
4. One day E-Governance for principals February 16<sup>th</sup> 2007

**Conferences/ Symposiums/ Workshops/ Training Programs Attended :**

1. Attended a Course on “System Thinking and Applications” from 12.10.2018 to 30.11.2018 by Prof. L.S.Ganesh, IIT Madras at BEC(A), Bagalkot
2. FDP on “Free and Open Source Software (FOSS) in Teaching and Learning 15-16 Nov.2017 at Basaveshwar Engineering College Bagalkot
3. Technology Driven Innovation & Entrepreneurship- BEC Bagalkot 30 & 31 March 2017
4. Management Development programme at IIM Bangalore 23-25 Jan.2017
5. .“Senior Faculty Development Programme” BEC, Bagalkot 11.11.2014 to 13.11.2014
6. “Processing of Composite Materials” BEC Bagalkot, 26.8.2002 to 07.09.2002
7. “Feel Facilitator certification in HRD” BEC, Bagalkot 23.10.2003 to 01.11.2003
8. AICTE sponsored short term program on Recent Trends in Renewable Energy Sources, organized by Basaveshwar Engineering College, Bagalkot, 03 th to 15 th September 2001
9. Five day online faculty development program on Universal Human Rights for DEEKSHARAMBH (Student Induction Program), organized by National Institute of Technology, Patna, 23 rd to 27 th November 2020
10. One week TEQIP - III sponsored faculty development program on Six Sigma, organized by Basaveshwar Engineering College, Bagalkot, 06 th to 10 th July 2020
11. Two days E - workshop program on AICTE Examination Reform Policy, organized by Basaveshwar Engineering College, Bagalkot, 06 th to 07 th May 2020
12. Faculty development program IUCEE workshop on Project Management; Data Base Design Infosys campus at Mysore 7th July 2008 to 11th July 2008
13. Faculty development program on Corporate Governance at IIM Bangalore 21st May 2007 to 26th May 2007
14. Faculty development program on World class Management Practices for governing Education System at RV College of Engineering Bangalore 15<sup>th</sup> July 2006 to 20<sup>th</sup> July 2006

**Awards and Honors**

- : Won third prize in the National Seminar on “Intelligent Manufacturing systems Held at CIT, Coimbatore, 1998 for the paper “**Taguchi Methods a Revolutionary approach to Quality Management**”