



## **Dr. N.V.S. Raju**

### **Professor & Principal of UCEW**

Mechanical Engineering

#### **Areas of Interest:**

Industrial Engineering, Manufacturing, Total Quality Management, Operations Research, Entrepreneurship, Management sciences, Optimization Methods

#### **▶ Professional Experience**

##### **- ▶ Industrial Experience**

- ▶ Assistant Manager, Hyd Allwyn Ltd (1988 - 1997)

##### **- ▶ Teaching Experience**

- ▶ Professor & Head, Bharat Institute of Engg & Technology (2005-11-01 - 2006-11-01)

- ▶ Professor & Head, Nizam Institute of Engg & Technology (2004 - 2005-11-01)

- ▶ Associate Professor, Vijay Rural Engg. College (1999 - 2004-11-01)

- ▶ Assistant Professor, VNRVJIET (1997 - 1999-10-01)

##### **- ▶ At JNTUH**

- ▶ Professor, JNTUHCEJ (2009 - Till Date)

- ▶ Associate Professor, JNTUHCEJ (2007 - 2009)

- ▶ Associate Professor, JNTUCEK (2006 - 2007)

- ▶ **Books**

- ▶ Dr. N.V.S Raju, *Disaster Management Hazard And Risk Awareness*, B. S. Publication 4-4-309/316, Giriraj Lane, Sultan Bazar, Hyderabad â€“ 500095 www.bspbooks.net, ISBN-13: 978-93-8830-534-1, 2019
- ▶ Dr. N.V.S Raju, *Fundamentals of Management*, CENGAGE Learning 418,F.I.E. Patparganj-Delhi www.cengage.co.in (Adopted by MU, Mumbai), â€¢ ISBN-10: 93-87994-46-5 â€¢ ISBN-13: 978-93-87994-46-1, 2019
- ▶ Dr. N.V.S Raju, *Industrial Engineering & Management*, CENGAGE Learning 418,F.I.E. Patparganj-Delhi www.cengage.co.in (Adopted by MU, Mumbai), â€¢ ISBN-10: 81-315-1948-1 â€¢ ISBN-13: 978-81-315-1948-6, 2002
- ▶ Dr. N.V.S Raju, *Operations Research*, The Hi-Tech Publishers 4-5147, Kothi, Hyderabad hitechpublishers@yahoo.com, â€¢ ISBN-10: 81-298-0057-8 â€¢ ISBN-13: 978-81-298-0057-2, 2002
- ▶ Dr. N.V.S Raju, *Mathematical Modelling & Simulation for Engineering Students*, The Hi-Tech Publishers 4-5147, Kothi, Hyderabad hitechpublishers@yahoo.com, â€¢ ISBN-10: 81-298-0054-3 â€¢ ISBN-13: 978-81-298-0054-1, 2006
- ▶ Dr. N.V.S Raju, *Operations Research*, The Hi-Tech Publishers 4-5147, Kothi, Hyderabad hitechpublishers@yahoo.com, â€¢ ISBN-10: 81-298-0057-8 â€¢ ISBN-13: 978-81-298-0057-2, 2011
- ▶ Dr. N.V.S Raju, *Mathematical Modelling & Simulation*, SMS Education Ansari Road, Daryaganj, New Delhi sms\_edu@yahoo.com, ISBN-10: 81-298-0054-3 â€¢ ISBN-13: 978-81-298-0054-1, 2006
- ▶ Dr. N.V.S Raju, *Quantitative Analysis for Business Decisions*, SMS Education Ansari Road, Daryaganj, New Delhi sms\_edu@yahoo.com, â€¢ ISBN-10: 81-298-0082-9 â€¢ ISBN-13: 978-81-298-0082-4, 2009
- ▶ Dr. N.V.S Raju, *Instrumentation & Control Systems*, SMS Education Ansari Road, Daryaganj, New Delhi Sms\_edu@yahoo.com, â€¢ ISBN-10: 81-298-0090-X â€¢ ISBN-13: 978-81-298-0090-9, 2008
- ▶ Dr. N.V.S Raju, *Reliability Centered Maintenance Models for Mining Machinery*, LAMBERT Germany, UK, USA www.morebooks.de, â€¢ ISBN-10: 36-591-0809-X â€¢ ISBN-13: 978-36-591-0809-9, 2012
- ▶ Dr. N.V.S Raju, *Quality Management and Six Sigma*, CENGAGE Learning 418,F.I.E. Patparganj-Delhi www.cengage.co.in (adopted by IMT Ghaziabad), â€¢ ISBN-10: 81-315-2673-9 â€¢ ISBN-13: 978-81-315-2673-6, 2015
- ▶ Dr. N.V.S Raju, *Operations Research*, SMS Education Ansari Road, Daryaganj, New Delhi sms\_edu@yahoo.com, â€¢ ISBN-10: 81-298-0057-8 â€¢ ISBN-13: 978-81-298-0057-2, 2011
- ▶ Dr. N.V.S Raju, *Optimization Methods for Engineers*, Prentice Hall India Learning 111, Patparganj Industrial Estate-Delhi www.phindia.com, ISBN-10: 81-203-4744-7 ISBN-13: 978-81-203-4744-1, 2014
- ▶ Dr. N.V.S Raju, *Plant Maintenance and Reliability Engineering*, CENGAGE Learning 418,F.I.E. Patparganj-Delhi www.cengage.co.in, 978-81-315-1469-6, 2011
- ▶ Dr. N.V.S Raju, *Industrial Engineering and Management*, CENGAGE Learning 418,F.I.E. Patparganj-Delhi www.cengage.co.in, 978-81-315-1948-6, 2013
- ▶ Dr. N.V.S Raju, *Total Quality Management*, CENGAGE Learning 418,F.I.E. Patparganj-Delhi www.cengage.co.in, 978-81-315-2562-3, 2014
- ▶ Dr. N.V.S Raju, *INSTRUMENTATION Operation, Measurement, Scope and Application of Instruments*, CRC Press (Taylor & Francis Group) 6000 Broken Sound Parkway, NW Suite 300, Boca Raton, FL 33487 711 Third Avenue NY 10017; 2 Park Square, Milton Park Abingdon, Oxon Ox14 4RN, UK www.taylorandfrancisgroup.com, 978-1-138-62655-3, 2016
- ▶ Dr. N.V.S Raju, *INSTRUMENTATION Operation, measurement, Scope and Application of Instruments*, B. S. Publication 4-4-309/316, Giriraj Lane, Sultan Bazar, Hyderabad â€“ 500095 www.bspbooks.net, 978-93-5230-089-1, 2016

- ▶ **Publications**

## - International Journals

- ▶ Dr. N.V.S Raju, *Mechanical characterization of Al7050 metal matrix composite reinforced with b4c by electromagnetic stir casting method*, Elsevier, ISBN No.2214-7853, Elsevier, 2020
- ▶ Dr. N.V.S Raju, *“MAKE-IN-INDIA”*, A STEPPING STONE TO *“MAKE-BY-INDIA”*, Industrial Engineering Journal, ISBN No.2581-4915, 2019
- ▶ Dr. N.V.S Raju, *Fault Diagnosis and Reliability Analysis of Load Transport Systems using Bayesian Belief Network Approach*, Journal of engineering science, ISBN No.0377-9254, Vol No.10, Issue No.12, pp.809-814, Journal of engineering science, December, 2019
- ▶ Dr. N.V.S Raju, *AN EMPHERICAL STUDY AND ENHANCEMENT ON TURNING OF METAL MATRIX COMPOSITES AND THEIR OPTIMIZATION TECHNIQUES: A REVIEW*, International Journal of Research, ISBN No.2236-6124, Vol No.VIII, Issue No.I, pp.1437-1444, International Journal of Research, JAN, 2019
- ▶ Dr. N.V.S Raju, *Estimation of failure rate of Public Transport Buses Using Trend Tests and TTT plots*, International Journal of Research and Analytical Reviews, ISBN No.2349-5138, Vol No.6, Issue No.2, pp.506-517, International Journal of Research and Analytical Reviews, MAY, 2019
- ▶ Dr. N.V.S Raju, *FAILURE CRITICALITY ANALYSIS USING FISHIKAWA DIAGRAM (A CASE STUDY OF DUMPERS AT OCP, RAMAGUNDAM)*, International Journal of Creative Research Thoughts (IJCRT), ISBN No.2320-2882, pp.378-384, International Journal of Creative Research Thoughts (IJCRT), 2018
- ▶ Dr. N.V.S Raju, *TREND ANALYSIS-A TOOL TO IDENTIFY THE FAILURE & RUN MODE IN PUBLIC TRANSPORT BUSES*, International Journal of Creative Research Thoughts (IJCRT), ISBN No.2320-2883-276, 283, Feb, 2018
- ▶ Dr. N.V.S Raju, *Reliability analysis of group of buses-A case study at TSRTC.*, International journal of Current Engineering and scientific research, ISBN No.2394-0697, Vol No.5, Issue No.4, pp.102-110, International journal of Current Engineering and scientific research, 2018
- ▶ Dr. N.V.S Raju, *Ratio Delay Study Of Public Transport Buses*, Journal of Emerging Technologies and Innovative Research, ISBN No.2349-5162., Vol No.5, Issue No.7, pp.1499-1507, Journal of Emerging Technologies and Innovative Research, JULY, 2018
- ▶ Dr. N.V.S Raju, *Implementation of TQM in Banking Sector - Road to Competitive Advantage*, International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), ISBN No.2456-1290, 2017
- ▶ Dr. N.V.S Raju, *Optimization of Air Pollution Due To Coal Dust at Open Cast Mines*, IOSR Journal of Business and Management (IOSR-JBM), ISBN No.2319-7668, Vol No.1, pp.39-49, IOSR Journal of Business and Management (IOSR-JBM), 2017
- ▶ Dr. N.V.S Raju, *Availability and Maintainability of Buses-A case study at TSRTC*, International journal of Engineering research in Mechanical & Civil Engineering. , ISBN No.2456-1290, Vol No.2, Issue No.5, pp.1094-1100, International journal of Engineering research in Mechanical & Civil Engineering. Q, MAY, 2017
- ▶ Dr. N.V.S Raju, *Performance monitoring & Evaluation of group of buses using NHPP model-A case study at TSRTC.*, International journal of science and innovative Engineering and Technology., 2017
- ▶ Dr. N.V.S Raju, *Failure Investigations and Reliability Evaluation of Dumpers through FMECA*, International Journal of Science and Innovative Engineering & Technology, ISBN No.978-81-904760-8-9, Vol No.1, Issue No.2016, International Journal of Science and Innovative Engineering & Technology, may, 2016
- ▶ Dr. N.V.S Raju, *Quality of Quality Definitions “An Analysis*, International Journal of Scientific Engineering and Technology, ISBN No.2277-1581, Vol No.5, Issue No.3, pp.142-148, International Journal of Scientific Engineering and Technology, march, 2016
- ▶ Dr. N.V.S Raju, *When Technology Ends Art Begins -The Art and Science of TQM*, International Journal of Scientific & Engineering Research, ISBN No.2229-5518, Vol No.7, Issue No.6, pp.280-286, International Journal of Scientific & Engineering Research, June, 2016
- ▶ Dr. N.V.S Raju, *Distance Education: How Much Distance? The History, Opportunities, Issues and Challenges*, Global Journal of Enterprise Information System, ISBN No.0975-1432, Vol No.8, Issue No.3, pp.70-76, Global Journal of Enterprise Information System, september, 2016
- ▶ Dr. N.V.S Raju, *Mechanical characterization of Al7050 metal matrix composites reinforced with b4c by electro magnetic stir casting method*

- ▶ **Administrative Positions Held**

- ▶ IQAC Coordinator, JNTUH COLLEGE OF ENGINEERING JAGTIAL, 14 Aug 2018 - Present

- ▶ **Project/Research Guidance**

- **Students**

Student Name	Title	Year	Download
Mr. A Krishna	Reliability based maintenance scheduling for public transport system	2020	
Dr. K S Raghu Ram	Characterization and development of aluminium matrix composite using in -SITU AL <sub>2</sub> O <sub>3</sub> SIC	2018	
Dr. A Padma	Role of Financial Inclusion in Rural Development With Reference to Nizamabad District of Telangana State	2018	
Dr. P V S Subhashni	Parametric optimization using a scara robot for debug operation in a mtg cell	2017	
Dr. Vaikunta Rao	Development of Alumina Silicon Carbide refractory bricks to enhance the performance of torpedo type of ladle refractory lining	2017	
Mr. M Pradeep Kumar	Statistical analyses and investigations on Reliability, Availability and Maintainability-A case study on public transport.	0	
Mr. J Chandra Shekar	Optimization of Machining process parameters in turning using various techniques	0	
Mr. A Srinivas	Friction stir welding for different metals.	0	
Mr. Sai Kiran	Reliability Centered Maintenance for Heavy Earth-moving Equipment	0	

**Contact :**

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Mechanical Engineering

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