

# Dr. K.V. Subba Reddy Inst. of Technology



**AUTONOMOUS**

(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu.)

Accredited with NAAC A+ & NBA | Recognized under Section 2 (f) and 12B of UGC Act, 1956

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## DEPARTMENT OF MECHANICAL ENGINEERING

Accredited by NBA

## FACULTY PROFILE

### Dr. G. Thirupati Reddy

**Principal In-Charge & Controller of Examinations**

Professor, Department of Mechanical Engineering

*Dr. K.V. Subba Reddy Institute of Technology (Autonomous), Kurnool*

Ph.D | M.Tech (Distinction) | 25+ Years in Engineering Education & Administration



### Faculty Biography:

Dr. G. Thirupati Reddy has completed his Ph.D in Industrial Engineering (OR & SQC) from S.K. University, Ananthapur, AP. M.Tech (Distinction, University 3rd Rank) in Production Engineering from V.T.U, Belgaum, Karnataka. B.Tech in Mechanical Engineering from Nagarjuna University, Guntur.

Currently he is working as Principal In-Charge and Controller of Examinations, and Professor in the Department of Mechanical Engineering at Dr. K.V. Subba Reddy Institute of Technology (Autonomous), Kurnool, A.P. He has more than 25 years of teaching, research, and institutional leadership experience, including 8 years as Principal (JNTU-ratified twice), 8 years as Head of the Department, and 7 years as Vice-Principal & Professor.

He also brings international teaching experience, having served at Adama University, Ethiopia, and Salalah College of Technology, Sultanate of Oman.

He has authored 3 textbooks and published 15+ papers in international journals and conferences, and has guided 30 B.Tech and 18 M.Tech projects in Mechanical Engineering and CAD/CAM & Advanced Manufacturing Systems.

He believes in a practical, application-oriented approach to teaching that helps students build strong fundamentals while preparing them for industry and research careers.

## EDUCATIONAL QUALIFICATIONS

Course	Institution	University	Year	Class / %
Ph.D	S.K. University, Ananthapur, AP	S.K. University	2011	Pre-PhD 73%

M.Tech (Production Engg.)	V.T.U, Belgaum, Karnataka	VTU, Belgaum	1998-2000	Distinction - 76% (University 3rd Rank)
B.Tech (Mechanical Engg.)	Nagarjuna University, Guntur	Nagarjuna University	1992-1996	Second - 58%
Intermediate (M.P.C)	Board of Intermediate Education	B.I.E, Hyderabad	1991	First - 63%
S.S.C	Board of Secondary Education	B.S.E, Hyderabad	1989	First - 63%

## TEACHING & ADMINISTRATIVE EXPERIENCE

Currently working as a Professor in the Department of Mechanical Engineering at Dr. K.V. Subba Reddy Institute of Technology (Autonomous), with 25+ years of cumulative teaching and administrative experience.

Institution	Designation	Duration
Industrial Graphites, Hyderabad, AP	Production Engineer	May 1996 - May 1998 (2 Yrs)
Vazir Sultan College of Engineering, Khammam	Lecturer	Oct 1999 - Sep 2000 (1 Yr)
Sree Visvesvaraya Inst. of Tech. & Science, Mahabubnagar (JNTU)	Asst. Professor (JNTU Ratified)	Sep 2000 - Oct 2004 (4 Yrs)
Sree Visvesvaraya Inst. of Tech. & Science, Mahabubnagar (JNTU)	Associate Professor & HoD	Nov 2004 - Oct 2010 (5.5 Yrs)
Adama University, Adama, Ethiopia [International]	Asst. Professor - Manufacturing Technology	Feb 2008 - Jul 2008 (5 Months)
Salalah College of Technology, Salalah, Oman [International]	Lecturer - Mechanical Section	Nov 2010 - Jan 2011 (2.5 Months)
Sree Visvesvaraya Inst. of Tech. & Science, Mahabubnagar (JNTU)	Principal & Professor (JNTU Ratified)	May 2011 - Jul 2017 (6 Yrs)
Lords Institute of Engineering & Technology, Hyderabad	Professor - Mechanical Engg. (JNTUH Ratified)	Dec 2017 - May 2018 (6 Months)
Brahmaiah College of Engineering, Nellore	Principal & Professor	May 2018 - Jun 2019 (1 Yr)
Dr. K.V. Subba Reddy Institute of Technology, Kurnool	Vice-Principal & Professor	Jul 2019 - Jun 2026 (7 Yrs)
Dr. K.V. Subba Reddy Institute of Technology, Kurnool [Current]	Principal In-Charge & Controller of Examinations; Professor, Dept. of Mechanical Engineering	Jun 2026 - Till Date

## Ph.D DETAILS

**University** : S.K. University, Ananthapur, Andhra Pradesh

**Department** : Industrial Engineering (Operations Research & Statistical Quality Control)

**Year of Completion** : 2011

**Thesis Title** : Optimization / Benchmarking of Coal Mines using Data Envelopment Analysis (DEA)

**Specialization** : Operations Research & Statistical Quality Control

## JNTU RATIFICATION

- ✓ Ratified as Assistant Professor by JNTU.
- ✓ Ratified as Principal by JNTU (twice).

## SUBJECTS TAUGHT

1. Metallurgy & Material Science
2. Dynamics of Machines
3. Production Technology
4. Manufacturing Processes
5. Machine Tools
6. CAD / CAM
7. Industrial Automation
8. Robotics & Mechatronics
9. Instrumentation & Control Systems
10. Metrology
11. Unconventional Machining
12. Renewable Energy Sources
13. Additive Manufacturing
14. Engineering Drawing
15. Advances in Manufacturing Technology (PG)
16. Tool Design (PG)
17. Automation in Manufacturing (PG)
18. Material Handling (PG)
19. Metal Cutting Theory (PG)

## TECHNICAL SKILLS

- ✓ CAD / CAM Software
- ✓ Manufacturing & Production Engineering Tools
- ✓ Quality & Reliability Analysis (DEA, SQC)
- ✓ MS Office & Academic Documentation Tools

## STRENGTHS

- ✓ Strong leadership and institutional administration experience.
- ✓ Proven track record in AICTE / NAAC / NBA compliance and accreditation processes.

- ✓ Strong communication and mentoring skills.
- ✓ Hands-on experience in laboratory development and infrastructure planning.
- ✓ Dedicated and disciplined approach to academic governance.

## ACHIEVEMENTS

- ✓ Secured 3rd Rank in M.Tech (Production Engineering), V.T.U, Belgaum.
- ✓ Served as Principal for 8 years, ratified by JNTU twice.
- ✓ Authored 3 textbooks in Mechanical Engineering: Material Science & Metallurgy, Metal Cutting & Machine Tools, and Production Technology.
- ✓ Published 15+ papers in international journals and conferences.
- ✓ International teaching assignments in Ethiopia and Oman.
- ✓ Established 6 Mechanical Engineering laboratories from scratch: Production Technology, Machine Tools, Metrology, Metallurgy, and Instrumentation & Control Systems.

## RESPONSIBILITIES HANDLED

- ✓ Presently, Principal In-Charge, Dr. K.V. Subba Reddy Institute of Technology, Kurnool.
- ✓ Presently, Controller of Examinations, Dr. K.V. Subba Reddy Institute of Technology, Kurnool.
- ✓ Head of the Department, Mechanical Engineering - 8 years total.
- ✓ Professor, Department of Mechanical Engineering, Dr. K.V. Subba Reddy Institute of Technology, Kurnool.
- ✓ Previously, Vice-Principal & Professor (2019-2026).
- ✓ Convenor / Chairman for 15+ Workshops, National & International Conferences.
- ✓ Placement Officer, Library In-charge, Examination In-charge, and Deputy Warden - Boys Hostel (in earlier assignments).
- ✓ Dean (Academics), Sree Visvesvaraya Institute of Technology & Science, Mahabubnagar.

## ACADEMIC WORK EXPERIENCE

- ✓ National Board of Accreditation (NBA)
- ✓ National Assessment and Accreditation Council (NAAC)
- ✓ Annual Quality Assurance Report (AQAR)
- ✓ National Institutional Ranking Framework (NIRF)
- ✓ AICTE Compliance & Approval Processes

## MEMBERSHIPS REGISTERED

Sl.	Professional Body	Membership
1	Indian Society for Technical Education (ISTE)	Life Member
2	Indian Association for Productivity, Quality & Reliability (IAPQR)	Life Member
3	Institute of Electrical and Electronics Engineers (IEEE)	Life Member
4	Institution of Engineers (India) (MIE)	Life Member

**MATERIALS & BOOKS PREPARED**

1. Material Science & Metallurgy - Hi-Tech Publishers, Hyderabad
2. Metal Cutting & Machine Tools - Sci-Tech Publishers, Chennai & Hyderabad (2005)
3. Production Technology - Sci-Tech Publishers, Chennai & Hyderabad (2006)

**INTERNATIONAL JOURNAL PUBLICATIONS**

1. G.T. Reddy, J. Kandasamy, K.S. Rao, "Perceptual views of students on Quality in Engineering Education - A Case Study," International Journal of Ultra Scientist of Physical Sciences, Vol.18, No.3, December 2006.
2. G. Thirupati Reddy, K.S. Rao, Ujwal Kumar Behara, "Productivity Improvement of Coal Mines using Data Envelopment Analysis," International Journal of Ultra Scientist of Physical Sciences, Vol.22, No.1, April 2010.
3. G. Thirupati Reddy, "Optimizing Efficiency of Coal Mines using Constant Return to Scale (CRS)," International Journal of Innovative Science, Engineering & Technology, Vol.1, Issue.9, November 2014, pp.69-74, ISSN: 2348-7968, Impact Factor: 1.07.
4. G. Thirupati Reddy, "Performance Measurement of OC Mines using VRS Method," International Journal of Engineering Trends and Technology, Vol.17, Issue.5, November 2014, pp.217-224, ISSN: 2231-5381, Impact Factor: 2.695.
5. G. Thirupati Reddy, G. Santhosh Kumar, "Go Green - Green Marketing and its Rise for Eco-Friendly Processes in India," International Journal of Ethics in Engineering & Management Education, Vol.1, Issue.12, December 2014, pp.15-21, ISSN: 2348-4748, Impact Factor: 3.876.
6. G. Thirupati Reddy, Syed Rabbani Basha, "Effect of Welding Speed on Tool Pin Profile using Friction Stir Welding," International Journal of Scientific Research & Management, Vol.3, Issue.1, January 2015, pp.1892-1896, ISSN: 2321-3418, Impact Factor: 3.994.
7. G. Thirupati Reddy, "Comparison and Correlation Coefficient between CRS and VRS Models of OC Mines," International Journal of Ethics in Engineering & Management Education, Vol.2, Issue.1, January 2015, pp.25-28, ISSN: 2348-4748, Impact Factor: 3.876.
8. G. Thirupati Reddy, "A Conceptual Framework on How the Quality of Work Life has been linked with Human Well-Being," International Journal of Engineering Trends and Technology, Vol.19, No.5, January 2015, pp.285-291, ISSN: 2231-5381, Impact Factor: 2.695.
9. G. Thirupati Reddy, MSN Gupta, "Effect of Roller Burnishing Parameters on Surface Roughness and Hardness," International Journal of Engineering Research and Applications, pp.50-54, ISSN: 2248-9622.
10. G. Thirupati Reddy, "Benchmarking of Coal Mines using Data Envelopment Analysis," ACADEMICIA - An International Multidisciplinary Research Journal, ISSN: 2249-7137, Impact Factor: 5.099.
11. G. Thirupati Reddy, B. Swetha, "Managing Cross Cultural Differences & Strategies to Overcome Differences," International Journal of Scientific Research, Vol.6, No.1, January 2017, pp.285-291, ISSN: 2277-8179, Impact Factor: 3.508.
12. G. Thirupati Reddy, B. Swetha, "Multitasking Industrial Robots," International Journal of Innovative Technology and Research, Vol.5, No.3, April 2017, pp.5982-5985, ISSN: 2320-5547.
13. G. Thirupati Reddy, J. Kanna Kumar, "Optimization of Coal Mines using Data Envelopment Analysis," International Journal of Engineering Trends and Technology, Vol.67, Issue.8, August 2019, pp.59-64, ISSN: 2231-5381.
14. G. Thirupati Reddy, J. Kanna Kumar, M. Nagakiran, "Fabrication of 360-Degree Rotating Vehicle for a Four-Wheel Steering System of a Car," International Journal of Research and Development in Engineering Sciences, Vol.1, Issue.1, 2019, pp.59-64, ISSN: 2582-4201.

## INTERNATIONAL CONFERENCES

1. G. Thirupati Reddy, K. Srinivasa Rao, J. Kandasamy, "Perceptual views of students on Quality in Technical Education - A Lagrangian Approach," International Conference on Recent Developments in Statistics and Their Applications, Sree Venkateshwara University, Tirupati, 3-4 January 2005.
2. G. Thirupati Reddy, K. Srinivasa Rao, Ujwal Kumar Behara, "Productivity Improvement of Coal Mines using Data Envelopment Analysis," International Conference IISA-ISPS2010, Andhra University, Visakhapatnam, 4-8 January 2010.
3. G. Thirupati Reddy, K. Sudhakar, S. Jaya Krishna, "Benchmarking of Coal Mines using Data Envelopment Analysis," International Conference ICACSE-2013, Lords Institute of Engineering & Technology, Hyderabad, 7-8 January 2013.
4. G. Thirupati Reddy, S. Jaya Krishna, K. Sudhakar, "Performance Measurement of Coal Mines using CRS Analysis," International Conference ICAEM-2013, Royal Institute of Technology & Science, Hyderabad, 27-28 February 2013.
5. G. Thirupati Reddy, S. Jaya Krishna, K. Sudhakar, "Benchmarking of Coal Mines using Data Envelopment Analysis," 2nd International Conference on Competency Building Strategies in Business and Technology for Sustainable Development, Sri Ganesh School of Business Management, Salem, 28 February 2013.
6. G. Thirupati Reddy, S. Jaya Krishna, K. Sudhakar, "Productivity Improvement of Coal Mines using Data Envelopment Analysis," IIIE 55th National Convention & International Conference on Managing Supply Chain for Global Competitiveness, Shree Ramdeobaba College of Engineering & Management, Nagpur, 24-25 October 2013.
7. S. Jaya Krishna, G. Thirupati Reddy, K. Sudhakar, "Effect of Electrical Current on Surface Roughness of Borosilicate Glass using EDM," International Conference on Emerging Trends in Engineering & Management ICAEM-2013, Sree Visvesvaraya Institute of Technology & Science, Mahabubnagar, 29-30 November 2013.
8. G. Thirupati Reddy, B. Swetha, "Social Entrepreneurship & Social Innovation," International Conference on the Next-Gen Entrepreneurship: Emerging Ecosystem and the Challenges, Siva Sivani Institute of Management, Secunderabad, 11-12 February 2017.

## NATIONAL CONFERENCES

1. G. Thirupati Reddy, D.V.S. Ramesh, J. Kandasamy, S. Rajesham, "Establishment of Pulsed GTAW Parameters for Flight Qualified Material AA5083111 - An Experimental Study as BHPV," National Conference Technoheights-2005, VNR Vignana Jyothi Engineering College, Hyderabad.
2. G. Thirupati Reddy, S. Jayadeepika, "Optimization of Wear Resistance in Bearing Steel using Orthogonal Arrays," National Level Technical Paper Contest SVITS QUEST-2005, Sree Visvesvaraya Institute of Technology & Science, Mahabubnagar, 6-8 January 2005.
3. G. Thirupati Reddy, K. Srinivasa Rao, Ujwal Kumar Behara, "Performance Measurement of Coal Mines using Data Envelopment Analysis," National Conference on Recent Trends & Challenges in Mechanical Engineering, Kavikulguru Institute of Technology & Science, Ramtek, 5-6 October 2009.
4. G. Thirupati Reddy, G. Rajaiah, K. Ramesh Reddy, "Natural Disasters - Principles for Reducing Losses," National Conference on Industrial Productivity, Safety and Disaster Management, Indian Institute of Industrial Engineering, Nagpur, 4-5 December 2009.
5. G. Thirupati Reddy, S. Jaya Krishna, "Role of the Service Sector in India's Economy in Terms of Performance, Problems and Prospects," Adikavi Nannaya University, Rajahmundry, 8-10 December 2011.
6. G. Thirupati Reddy, B. Tejavardhan, Syed Rabbani Basha, "Effect of Welding Speed on Tool Pin Profile using Friction Stir Welding," National Conference on Recent Advances in Mechanical Engineering (RAME-2K15), Sri Venkateswara College of Engineering & Technology, Chittoor, 19 December 2015.

7. G. Thirupati Reddy, B. Tejavardhan, "Performance Measurement of OC Mines using VRS Method," National Conference on Recent Advances in Mechanical Engineering (RAME-2K15), Sri Venkateswara College of Engineering & Technology, Chittoor, 19 December 2015.
8. G. Thirupati Reddy, K. Sudhakar, "Comparison and Correlation Coefficient between CRS and VRS Models of OC Mines," National Conference on Recent Advances in Mechanical Engineering (RAME-2K15), Sri Venkateswara College of Engineering & Technology, Chittoor, 19 December 2015.

## PROJECTS & THESIS GUIDED

Course	No. of Students Guided
UG (B.Tech)	30
PG (M.Tech - CAD/CAM & Advanced Manufacturing Systems)	18

## HOBBIES

Reading spiritual and personality development books; Listening to instrumental music; Practising and teaching meditation.

## PERSONAL INFORMATION

<b>Name</b>	Dr. G. Thirupati Reddy
<b>Father's Name</b>	G. Jaya Rami Reddy
<b>Date of Birth</b>	15th July, 1974
<b>Gender &amp; Marital Status</b>	Male & Married
<b>Nationality</b>	Indian
<b>Languages Known</b>	Telugu, Hindi & English
<b>Mobile</b>	+91-8106633071
<b>Email</b>	gtr.babaji@gmail.com

## DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge.

Place: Kurnool

Date:

**(Dr. G. Thirupati Reddy)**