

Dr. Y VIJAYA KUMAR B. Tech, M. Tech, Ph. D

1. Name: **YARRAMPALLI** **VIJAYA KUMAR**
 (Surname) (First Name)

2. Address:

(a) Present & Permanent Address:

4C, 5th main, Baroda Bank Colony,
 J.P. Nagar VII Phase, Puttenahalli,
 Bengaluru 560 078, Karnataka, India
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3. Father Name : **Late Sri. Y. GURUMURTHY**

4. Date of Birth : **15th August 1962**

5. Age : **60 Years**

6. Nationality : **Indian**

7. Religion : **Hindu**

8. Family : **Wife and Daughter**

9. Passport : **L1356142**

10. Complete Academic Record: B. Tech, M. Tech, Ph. D.

Degree and Specialization	University/Institute	Year of Completion	Marks & Division	Rank
Ph. D – O R & S Q C	Sri Krishna Devaraya University – Andhra Pradesh	MAY 2004	71% & FCD	-
M. Tech – Industrial Engineering	N.I.T – Calicut – Kerala	MAR 1986	76% & FCD	3 rd Place
B. Tech – Mechanical Engineering	S.V.U College of Engineering, Sri Venkateswara University	JAN 1984	63% & I Class	--
P.G Certificate – Comp. & Applications	N.I.T.I.E – Bombay	SEP 1987	I Class	-
Proficiency Course – Intellectual Property – An Awareness Course	I.I.Sc., Bengaluru	SEP 2008	A Grade	5 th Place

11. Academic Experience : 33 Years

Duration	Institution / Organization	Years - Exp	Designation	Area / Dept.
22 – 08 – 2019 To 11– 01 – 2 023	GM INSTITUTE OF TECHNOLOGY P B Road, Davangere.	3 Years & 6 Months	Professor & Principal	Mechanical Engineering
13 – 06 – 2013 To 22 – 08 – 2019	Sri Sairam College of Engineering, Anekal, Bengaluru – 562 106.	6 Years & 2 Months	Professor & Principal	Mechanical Engineering
14 – 02 – 2013 To 12 – 06 – 2013	M V J College of Engineering, Channasandra, Whitefield Bengaluru, Karnataka	4 Months	Professor & Dean	Mechanical Engineering
01 - 11-2009 To 13 – 02 - 2013	School of Engg & Technology JAIN University S.B.M. Jain College of Engineering, Jakkasandra post, Kanakapura Taluk Bangalore – 562 112. Karnataka	6 Years & 7 Months	Professor & Principal / Dean	Mechanical Engineering
01 – 11 – 2008 To 01 – 11 – 2009	Professor & Vice Principal		Mechanical Engineering	
10 – 07 – 2006 To 31 – 10 – 2008	Professor & Head		Mechanical Engineering	
05 – 09 – 2003 To 30 – 06 – 2006	Shirdi Sai Engineering College, Anekal, Bangalore Rural	2 Years & 9 Months	Professor & Head	Mechanical Engineering
01 – 07 – 1998 To 03 – 09 – 2003	Adhiyamaan College of Engineering Dr. M.G.R. Nagar, Hosur – 635 109, Tamil Nadu	5 Years & 2 Months	Asst. Professor & Head i/c	Mechanical Engineering
13 – 11 – 1996 To 20 – 06 – 1998	School of Quality Management, Gundur, Tiruchirapalli – 620 007, T N		Assistant Professor	Quality Management
06 – 06 – 1990 To 07 – 11 – 1996	Dayananda Sagar College of Engineering, K.S. Layout, Bangalore – 560 078,		Lecturer	Industrial Engineering & Mgmt.

12. Industrial Experience : 05 Years

Duration	Organization	Designation	Department / Responsibilities
10-03-1989 to 12-05-1990 (01¼ years)	M/s Reliance Industries Ltd., (RIL) Patalaganga, Mumbai	Industrial Engineer	Mgmt Services / Training & Planning work
17-03-1986 to 09-03-1989 (03 Years)	M/s Rashtriya Chemicals & Fertilizers Ltd., (RCF) Chembur, Mumbai	Junior Industrial Engineer	Mgmt Services / Training & Planning work

13. Research Experience

(a) Sponsored Research Projects:

Year of Funding	Sponsoring Organization	Title of Project & Duration	Amount of Grant	Status
2008	Visvesvaraya Technological University (VTU)	An Experimental Investigation to optimize Machinability of Al & its alloys using Taguchi Methods for sustainable growth. Duration: 2 Years	2.5 Lakhs	Completed
2013	Visvesvaraya Technological University (VTU)	Development of AMB by incorporating smart machine state of the art technique to achieve safety and reliability. Duration: 3 Years	8.5 Lakhs	Completed

(b) Research – Doctoral Degrees – Awarded: 11

Sl. No.	Name of the Scholar	Year of Award	Title of Thesis
1	Mr. S.A. Vasantha kumara (1SS04PMM02)	VTU – Belgaum Sep 2010	A Study on Entrepreneurial competencies among students of VTU with special reference to soft skills
2	Mr. S.N. Lakshminarasimhan (1SS03PMM01)	VTU – Belgaum Oct 2010	Evaluation of Supply Chain Systems through Reliability Analysis
3	Mrs. Lakshmi Kumari (3BR15PMJ01)	VTU – Belgaum Oct 2020	Studies on TQM Concepts and its impact on small scale Industry
4	Mr. Anil Kumar. C (ME 04 D010)	Dr. MGR University Sep 2010	Studies on the Mechanical fracture and vibrational behavior of NiTiNi
5	Mr. N.S.Prasanna Rao (ME05D022)	Dr. MGR University Nov 2010	Theoretical Study of Boundary Layer Flow Problems in Newtonian / Non-Newtonian Fluids
6	Mr. K.S.Lakshminarayan (0803PH1514)	J.N.T.U – Anantapur June 2013	Study, Analysis & Optimization of Integrated Reliability Model for Redundant systems
7	Mr. B.S. Praveen Kumar (0803PH1515)	J.N.T.U – Anantapur July 2014	Study, Analysis & Optimization of SMAW (Shielded Metal Arc Welding) Process Parameters in Fabrication of Pipeline Joints
8	Mr. S. Muzzamil Ahamed (PHD 10178)	JAIN University Mar 2015	Experimental Investigations of Chilled and Alloyed Cast Iron
9	Mr. R M Sudhakar (13PPMG0030)	JAIN University Aug 2016	Study on opportunities, Challenges and cost-effective Information Technology practices for small & medium-sized enterprises
10	Mrs. Aruna Kumari C P (12PPMN0019)	JAIN University Aug 2011	An Effective Way to optimize key performance factors of Supply Chain Management (SCM)
11	Mr. K Chandrashekar (142PPME002)	JAIN University Aug 2014	Optimization of Machining parameters in Turning by using Design of Experiments

12	Mr. S Ravi Shankar (1BJ09MMM01)	M.S Engg – VTU Oct 2014	Optimal Product Design & Development through Creative Engineering Method	
(c). Research – Doctoral Degrees – In progress: 02				
1	Mr. Venkat Ramesh (110109)	J.N.T.U – Hyderabad 2011	Integration of Supply chain with ERP Implementation and Financial analysis of Manufacturing firms in Automotive sector with reference to Karnataka	Course Work Completed
2	Mr. G L Chandrashekar (1SB17PMA01)	VTU – Belgaum 2016	Studies on Mechanical and Tribological behavior of Nano B4C reinforced composites at elevated temperatures.	Registered

(d) Sponsored Academic Programs:

Year of Grant	Sponsoring Organization	Title of Program	Amount of Grant
2005	VTU & CADD CENTER B'lore	One day workshop on Mechanical Vibrations & Curriculum Design	Rs. 70,000
2006	ISTE – New Delhi	ISTE – AICTE Sponsored Training Programme on Development in FEM Applications in Mechanical Engineering	Rs. 90,000
2007	ISTE – New Delhi	ISTE – AICTE Sponsored Training Programme on Development in FEM Applications in Mech Engineering	Rs. 90,000
2007	AICTE – New Delhi	AICTE Sponsored Two-day National Seminar in “Trends in E Manufacturing for Sustainable growth”, 09 – 10 August 2007.	Rs. 75,000
2014	ISTE – Karnataka Chapter	11 th ISTE State Level Karnataka Student Convention	Rs. 40,000
2016	ISTE – Karnataka Chapter	19 th ISTE State Level Karnataka Student Convention	Rs. 65,000

(e) Reviewer / Editorial Committee Details:

1. Reviewer & Editorial Committee Member of **Open Access Journal** (ISSN Print: 2333-9705, ISSN Online: 2333-9721).
2. Reviewer & Editorial Committee Member of **International Journal of Engineering Sciences – TI Journals** (2306 – 6474) is a scholarly online, open access, peer reviewed international Journal.
3. Reviewer of **ASDF** (Association of Scientists, Developers and Faculties – Techno Forum Group) for reviewing papers for various Conferences and Journals.

(f) Awards:

1. Received **BEST EDUCATIONIST AWARD** from International Institute of Education & Management, New Delhi, during July 2012.

2. Received **CERTIFICATE OF EDUCATION EXCELLENCE** from International Institute of Education & Management, New Delhi, during July 2012.
3. Received **LIFETIME ACHIEVEMENT AWARD** for the contribution and achievement in the field of Industrial Engineering by Venus International Foundation conferred on 9th July 2016 at Hotel Green Park, Chennai.
4. Received **BEST PRINCIPAL (Engg. & Tech) AWARD** from South Indian ASDF Awards 2017 (SIAA 2017), Cochin on 8th April 2017.
5. Received **CERTIFICATE OF RECOGNITION – INTERNATIONAL AWARD 2020 – 2021** FROM I2OR.

14. Consulting Experience

Year	Organization	Nature of Project	Co-Consultants (if any)
2008	Fire Pro Systems Pvt. Ltd., Indira Nagar, Bangalore	Corporate Training on Standards, Hydraulics and Cabling for GETs of M/s Firepro Ltd.,	Department Colleagues
1988	Paradeep Phosphates Ltd, Bhubaneswar	Design & Development process-oriented Incentive Scheme	Mr. Deshpande K.W
1987	Gujarat State Diamond workers Association - Surat	Design & Fixing of Wages for Diamond cutting labour	Mr. K S P Rao

15. Current Areas of Research Specialization:

1. Machinability Parameters - optimization by using Taguchi Techniques
2. Integrated Reliability Model optimization with multiple constraints
3. Machinability – Effectiveness of various tool inserts
4. SMAW (Shielded Metal Arc Welding) Process optimization
5. Reliability Evaluation of Supply Chain Management
6. Entrepreneur Development Analysis

16. Publications :

a) PATENTS : 02 (Applied)

1. Applied for PATENT titled « SNGE – Smart New Gen Electricity for smart City » to the Controller of the Patents – India.
2. Applied for PATENT titled « Power Generation in Rail cars by inverted type wind Turbine » to the Controller of the Patents – India.

b) INTERNATIONAL JOURNAL : 34

1. Paper titled "APPLICATION OF SHAPE MEMORY ALLOY NITINOL IN THE FIELD OF DEFENCE" published in International Journal of Mechanical Engineering (IJME), July - December 2008, Volume 1, Issue 2, pp. 133 – 135.
2. Paper titled "A STUDY AND ANALYSIS OF RELIABILITY IN A SUPPLY CHAIN NETWORK", published in International Journal of Engineering Research and Industrial Applications", (IJERIA), ISSN 0974-1518, Vol.2, No. VII (2009), pp 315-327.
3. Paper titled "SUPPLY CHAIN SYSTEMS – A RELIABILITY EVALUATION" published in International Journal of Supply Chain Management: Research & Practice – Assumption University of Thailand, Bangkok, ISSN: 1905-9566, Vol. 3, June 2009, pp 14 – 23.
4. Paper titled "A SIMPLE CONSTITUTIVE BEHAVIORAL (RICHI MODEL) SYSTEM TO STUDY THE TYPICAL STRESS – STRAIN CURVE FOR THE SHAPE MEMORY ALLOY [NITINOL]" published in International Journal of Intelligent Information Processing, Volume 3, Number 1, January – June 2009, pp 19-25.
5. Paper titled "A SIMPLE CONSTITUTIVE BEHAVIORAL (RICHI MODEL) SYSTEM TO STUDY THE TYPICAL STRESS – STRAIN CURVE FOR THE SHAPE MEMORY ALLOY [NITINOL]" published in International Journal of Analysis and Computation, Volume 4, Number 2, 2008, pp 159-166.
6. Paper titled "EXAMINING ENTREPRENEURIAL COMPETENCIES AND THEIR RELATION TO SELF EMPLOYMENT INTENTIONS AMONG ENGINEERING STUDENTS", published in Industry & Higher Education (IHE) Journal, IP Publishing Ltd., London, UK, Vol.24, No.4, Aug 2010, pp. 269 – 278.
7. Paper titled "EVALUATION OF A SUPPLY CHAIN SYSTEM THROUGH RELIABILITY ANALYSIS – A CASE STUDY", published in the International Journal of Multidisciplinary Research and Advances in Engineering (IJMRAE), Vol.1, No.1, Nov.2009, pp 87 – 100.
8. "IMPLICATION OF LASER TECHNOLOGY THAN THAT OF SHAPE MEMORY ALLOY (NITINOL) IN ANGIOPLASTRY", International Journal of Engineering (IJE), Volume 3, Issue 5, December 2009, pp. 501 – 509.
9. Paper titled "AN EXPERIMENTAL INVESTIGATION TO OPTIMIZE MACHINABILITY OF ALUMINUM ALLOY 6061 T6 USING TAGUCHI METHODS" published in International Journal of Mechanical Engineering, June 2011, Vol.4, Issue.1.
10. "ENTREPRENEURIAL PROPENSITY AND ITS RELATION TO SELF EMPLOYMENT INTENTIONS AMONG ENGINEERING AND BUSINESS STUDENTS", The IUP

- Journal of Entrepreneurship Development, Vol. VIII, No.3, September 2011, pp.60-76.
11. Paper titled "OPTIMIZATION OF TURNING PARAMETERS FOR MACHINABILITY USING TAGUCHI METHOD – AN EXPERIMENTAL INVESTIGATION", published in International Journal of Science and Advanced Technology, Vol.1, No.10, December 2011 with ISSN 2221-8386.
 12. Paper titled "INTEGRATED RELIABILITY MODEL FOR REDUNDANT SYSTEMS WITH MULTIPLE CONSTRAINTS", published in International Journal of Current Research, Vol.4, Issue.02, pp. 196 – 199, February 2012, ISSN: 0975-833X with impact factor of 0.525.
 13. Paper titled "REDUNDANCY ALLOCATION FOR SERIES PARALLEL SYSTEMS WITH MULTIPLE CONSTRAINTS AND SENSITIVITY ANALYSIS", published in IOSR Journal of Engineering, March 2012, Vol. 2(3), pp: 424-428, ISSN: 2250-3021.
 14. Paper titled "APPLICATION OF TAGUCHI METHOD FOR OPTIMIZATION OF RESISTANCE SPOT WELDING OF AUSTENSITE STAINLESS STEEL AISI 301L", published in International Journal of Innovative Systems Design and Engineering, ISSN 2222-1727, Vol.3, No.10, 2012, pp 49 - 62.
 15. "INTEGRATED RELIABILITY MODEL AND FAILURE MODES EFFECT AND CRITICALITY ANALYSIS FOR OPTIMUM RELIABILITY", International Journal of Research in Computer Application and Management, Vol.2, April.2012, Issue No.4, ISSN2231-1009.
 16. Paper titled "OPTIMIZATION OF SHIELDED METAL ARC WELDING PARAMETERS FOR WELDING OF PIPES BY USING TAGUCHI APPROACH", published in International Journal of Engineering Science and Technology [IJEST], Vol.4, No.5, May 2012, pp. 2083 – 2088 with ISSN: 0975 – 5462.
 17. "SELECTION OF OPTIMUM PROCESS PARAMETERS OF SHIELDED METAL ARC WELDING (SMAW) TO WELD STEEL PIPES BY DESIGN OF EXPERIMENTS", International Journal of Engineering Research and Applications [IJERA], Vol.2, Issue.5, Sept – October 2012, pp. 377-381 with ISSN: 2248-9622.
 18. OPTIMAL PRODUCT DESIGN & DEVELOPMENT THROUGH CREATIVE ENGINEERING METHODOLOGY", Journal Innovative Research and Solutions (JIRS), Vol.1A, Issue.2, Jan – Jun 2013, with ISSN: 2320-1932, pg.91.
 19. OPTIMIZATION OF SHIELDED METAL ARC WELDING PARAMETERS FOR WELDING OF PIPES BY USING TAGUCHI APPROACH", International Journal of Engineering Research and Applications [IJERA], Vol.3, Issue.3, May – June 2013, pp. 1460 – 1465 with ISSN: 2248 – 9622.

20. "AN EFFECTIVE WAY TO OPTIMIZE KEY PERFORMANCE FACTORS OF SUPPLY CHAIN MANAGEMENT (SCM)", International Journal of Management [IJM], 2013.
21. "BENEFITS OF STRATEGIC SUPPLIER INTEGRATION IN MANUFACTURING INDUSTRY", Asia Pacific Journal of Research – A peer Reviewed International Journal, ISSN – 2320 – 5504, October – 2013, Volume – III, Issue – X, pp 164 – 168.
22. "ROBUST DESIGN OF PROCESS PARAMETERS OF SHIELDED METAL ARC WELDING (SMAW) TO WELD MILD STEEL OF 48X3MM BY DR. GENECHI TAGUCHI METHOD", International Journal of Applied Engineering Research, Vol.8, Number 3,2013, pp. 321 – 327 with ISSN: 0973-4562.
23. "BENEFITS OF STRATEGIC SUPPLIER INTEGRATION IN MANUFACTURING INDUSTRY", A Peer reviewed International Journal – Asia Pacific Journal of Research, Vol.3, Issue. X, October 2013, pp. 164 – 168.
24. Paper titled "STUDY OF MINIMUM QUANTITY LUBRICATION (MQL) ON SURFACE ROUGHNESS DURING TURNING OPERATION", published in International Journal of Science Research, Volume.1, Issue.04, pp 203 – 218.
25. Paper titled "A STRUCTURED APPROACH TO OPTIMIZE OUTBOUND SUPPLY CHAIN COST IN AN AUTOMOTIVE INDUSTRY", published in International Journal of Science and Research (IJSR), Volume 3, Issue 5, May 2014, pp. 1429 – 1431, Impact Factor. 3.358, ISSN: 2319-7064.
26. "EXPERIMENTAL STUDY OF MINIMUM QUANTITY LUBRICATION (MQL) ON SURFACE ROUGHNESS DURING MACHINING OPERATION", International Journal of Science Research 2012 (ISSN: p- ISSN: 2277-7989, e-ISSN-2320-0820), Vol-1, Issue-4, PP-203-208. Same paper was reviewed by the peer committee and published in IJSR.
27. "Paper titled "EVALUATION OF HARDNESS, WEAR AND COMPRESSION STRENGTH OF GREY AND CHILLED CAST IRON" published in International Journal of Engineering Research & Technology (IJERT): ISSN: 2278-0181 - Vol. 3 Issue 7, July – 2014), pp. 424 – 428.
28. "TRIBOLOGICAL BEHAVIOR OF CHILLED AND ALLOYED CAST IRON SURFACES" International Journal of Science and Research (IJSR)- ISSN - 2319-7064, PP-1282-1287- Vol-3, Issue-7, July
29. Paper titled "IMPORTANCE OF GRAIN REFINEMENT AND MODIFICATION OF ALUMINIUM ALLOYS: A REVIEW", published in International Journal of Science and Research (IJSR), ISSN: 2319-7064, Vol.3, Issue 6, June 2014, pp: 815 – 820, Impact factor – 3.358.

30. Paper titled "Investigations on Mechanical Properties of Al-4.5%, Cu-SiC and Al-4.5% Cu-Graphite Composites" published in EJERS – European Journal of Engineering Research and Science, Vol.1, No,1, July 2016, pp 30 - 33.
31. Paper titled "DESIGN AND STUDY OF THE EFFECT OF MULTIPLE MACHINING PARAMETERS IN TURNING OF AL6063T6 USING TAGUCHI METHOD", published in International Journal of Design and Manufacturing Technology (IJDMT), Vol. 7, Issue 3, Sep – Dec 2016, pp 12 – 18, ISSN Print: 0976 – 6995 and ISSN Online: 0976 – 7002, Journal Impact Factor (2016): 5.7682.
32. Paper titled "OPTIMIZATION OF MACHINING PARAMETERS IN TURNING OF AL6063T6 THROUGH DESIGN OF EXPERIMENTS", PUBLISHED IN International Journal of Mechanical Engineering & Technology (IJMET), Vol. 7, Issue6, Nov – Dec 2016, pp 96 – 104, ISSN Print: 0976 – 6359, Journal Impact Factor (2016): 9.2286.
33. Paper titled "MICROCONTROLLER BASED DESIGN AND ANALYSIS OF ACTIVE MAGNETIC BEARING" Published in International Journal of Engineering and Research & Technology (IJERT), Vol.3, Issue.10, October 2014, pp19 – 22, ISSN (ONLINE): 2278-0181.
34. Paper titled "STUDIES ON QUALITY PRACTICES IN SMALL & MEDIUM SCALE INDUSTRIES USING STATISTICAL TOOLS" published in International Journal of Mechanical Engineering and Technology (IJMET), ISSN Print: 0976 – 6340, ISSN Online: 0976 – 6359, Impact Factor: 9.2286,

c) NATIONAL JOURNAL: 06

1. Paper titled "OPTIMIZATION OF INTEGRATED RELIABILITY MODEL (IRM) FOR REDUNDANT SYSTEMS" published in Technology spectrum – Journal of Jawaharlal Nehru Technological University, July 2008, Vol. II, No. 2, pp. 94 – 100.
2. Paper titled "ACHIEVING DESIRED MECHANICAL PROPERTIES OF MOULD BY USING DESIGN OF EXPERIMENTS (DOE)" published in Engineering Today – Journal of Technological World, May 2002, Vol. IV, Issue. 5, pp.20 – 24.
3. Paper titled "ACHIEVING COMPETITIVE EXCELLENCE THROUGH H.R.M" published in Engineering Today – Journal of Technological World, March 2002 Issue, Vol IV, Issue 3, pp.43 – 48.
4. Paper titled "EXAMINING ENTREPRENEURIAL COMPETENCIES AND THEIR RELATIONSHIP TO SELF EMPLOYMENT INTENTIONS AMONG ENGINEERING STUDENTS: A CASE STUDY FROM INDIA", published in Industry and Higher Education, IP Publishing, Vol.24, No.4, August 2010, page. 269-278.

5. Paper titled "ENTREPRENEURIAL PROPENSITY AND ITS RELATION TO SELF-EMPLOYMENT INTENTIONS AMONG ENGINEERING AND BUSINESS STUDENTS: A COMPARATIVE CASE STUDY" published in The IUP Journal of Entrepreneurship Development, Vol. VIII, No. 3, September 2011, pp. 60 – 76.
6. Paper titled "A Conceptual Framework of Supply Chain Integration for Competitive Advantage", published in Ushus – Journal of Business Management, Ushus J B Mgt 13, 4 (2014), pp 83 – 101, ISSN 0975-3311, doi: 10.12725/ujbm.29.5.

d) CONFERENCES OUTSIDE INDIA:02

1. Paper accepted for presentation titled "Optimization of Integrated Reliability Model for Redundant systems with multiple constraints" at 2008 IEEE International Conference on Industrial Engineering & Engineering Management at Singapore in the year 2007 (08 – 11 December 2008).
2. Paper accepted for presentation titled "Evaluation of Quality cost by using ABC Costing Method" at 9th Annual International Conference on ISO 9000 & Exhibits at Orlando, Florida USA during 19 -20 February 2001.

e) CONFERENCES IN INDIA - INTERNATIONAL: 14

1. Presented a paper titled "**COMBINATION OF BPR AND ISO 9000 FOR BETTER PERFORMANCE – DSS APPROACH**" during the International Conference on Quality Engineering and Management held at PSG College of Technology Coimbatore during 3rd to 6th August 1997, pp560 – 566.
2. Presented a paper titled "**EVALUATING THE ECONOMICAL BENEFITS OF A QUALITY SYSTEM USING CORNING'S APPROACH**" during the International Conference on Operational Research for a better Tomorrow organized by Operational Research Society of India – Delhi Chapter, during 24 – 26 December 1998, pp 64.
3. Presented a paper titled "**EVALUATION OF SERVICE QUALITY BY USING DESIGN OF EXPERIMENTS**" during International Conference on Quality, Reliability and Information Technology at the turn of the millennium (Trends and Future Directions) held at Indian National Science Academy, New Delhi during 21st to 23rd December 2000, pp 23.
4. Presented a paper titled "**AN OPTIMUM WAY TO FIX STANDARDS FOR SERVICE PARAMETERS TO MEASURE QUALITY – D.O.E. APPROACH**"

- during International Conference on Optimization Techniques and its applications in Engineering and Technology organized by the Faculty of Engineering and Technology, Raja Balwant Singh College – Agra at Hotel Holiday Inn, during 22nd & 23rd September-2001, pp 18.
5. Presented a paper titled **“AN OPTIMUM RELIABILITY OF A PRODUCT WITH DESIGN OF EXPERIMENTS”** during International Conference on Operations research for Development (ICORD 2002) in conjunction with XXXV Annual Convention of the ORSI held at Anna University - Chennai during 27th to 30th December 2002, pp 42.
 6. Presented a paper titled **“AN OPTIMIZATION OF INTEGRATED RELIABILITY MODEL WITH MULTIPLE CONSTRAINTS”** during 2nd International Conference on Quality, Reliability and Information Technology (Trends and future directions) organized by Indian National Science Academy New Delhi & Delhi University during 18 – 20 December – 2003, pp 73.
 7. Presented a paper titled **“ON A CLASS OF INTEGRATED RELIABILITY MODELS FOR REDUNDANT SYSTEMS WITH MULTIPLE CONSTRAINTS”** at International Conference on Operations Research for a growing nation in conjunction with the 41st annual convention of operational research society of India (ORSI), during 15 – 17 December 2008, organized by S.V University Tirupati, pp 110.
 8. Presented a Paper titled **“A SIMPLE CONSTITUTIVE BEHAVIORAL SYSTEM TO STUDY THE TYPICAL STRESS STRAIN CURVE FOR SHAPE MEMORY ALLOY (NITINOL)”** at the Fifty – Third Congress of Indian Society of Theoretical and applied Mechanics (ISTAM – 2008) – an International Meet”, during December 27 – 30, 2008, at University College of Engineering (A), Osmania University, Hyderabad, pp 45 - 49.
 9. Presented a paper titled **“CAST IRON PROPERTIES – ADDITION OF ALLOYS AND CHILLING TECHNIQUES, A REVIEW”** at the Joint International Conference on Advanced Materials – 2011, ICAM 2011, during 19th – 20th August 2011, at B T L Institute of Technology, Bangalore, India, pp 18 – 23.
 10. Presented a paper titled **“OPTIMUM PRODUCT DESIGN AND DEVELOPMENT THROUGH CREATIVE ENGINEERING METHODOLOGY”** during the International Conference on Innovative Research and Solutions ICIRS – 2013 held at Bharath Engineering College, Chennai, during 6th April 2013.
 11. Presented a paper titled **“MECHANICAL PROPERTIES OF SUB ZERO CHILLED CAST IRON USEFUL FOR WEAR FUNCTIONAL REQUIREMENTS**

OF ENGINEERING COMPONENTS" during the International Conference on Advances in Manufacturing and Materials Engineering, AMME 2014. Available online on www.sciencedirect.com.

12. Presented a paper titled "**The state and specialty of the AMB for the smooth operation of wind power plant**" during the International Conference on Applied Science Engineering and Technology, organized by Sri Sairam College of Engineering, Bangalore and Institute for Engineering Research & Publication (IFERP), held on 06th – 07th June 2016.
13. Presented a paper titled "**TQM IN SMALL SCALE SECTOR: A SURVEY OF SMALL AND MEDIUM INDUSTRY**" during the 3rd International Conference on Applied Science Engineering and Technology (ICASET-17) organized by Sri Sairam College of Engineering, Bangalore and Institute for Engineering Research & Publication (IFERP), held on 18th – 19th May 2017.
14. Presented a paper titled "**STUDIES ON TQM PRACTICES IN SMALL AND MEDIUM SCALE ENTERPRISES**" during the 4th International Conference on Chip, Circuitry, Current, Coding, Combustion and Composites (i7C – 2017) by Sri Sairam College of Engineering, Bangalore and Institute for Engineering Research & Publication (IFERP), held on 16th – 17th May 2017.

f) CONFERENCES IN INDIA - NATIONAL: 19

1. Presented a paper titled "**A STUDY & ANALYSIS OF MACHINABILITY AND ITS EFFECT ON SURFACE ROUGHNESS DURING TURNING OPERATION**" during A National Conference on Emerging Trends in Engineering Technology & Applications – NCETETA '09, held at Shirdi Sai Engineering College, Anekal, Bangalore during 29th & 30th April – 2009, pp 486 – 487.
2. Presented a paper titled "**APPLICATION OF TAGUCHI'S PARAMETER DESIGN FOR SMAW (SHIELDED METAL ARC WELDING)**" during the 2010 National Conference on Approaching Scholastic Horizons in Mechanical Engineering – NCASHME '10, held at Shirdi Sai Engineering College, Anekal, Bangalore during 23rd and 24th April – 2010.
3. Presented a paper titled "PERFORMANCE OPTIMIZATION OF INTERNAL COMBUSTION ENGINE USING TAGUCHI METHOD" during the National Conference on Recent trends in Mechanical Engineering Sciences - RTIMES, held at Sri Siddhartha Institute of Technology during 21 – 22nd February 2008, pp 95 – 102.
4. Presented a Paper titled "**OPTIMUM BLENDING OF POWDERS TO ATTAIN DESIRED MECHANICAL PROPERTIES BY DESIGN OF EXPERIMENTS**" at

- Second National Conference on Mechanical Engineering NATCON.ME-2015, during 11 – 12th March 2005, organized by Ghousia College of Engineering, Ramanagaram – 571 511.
5. Presented a paper titled "**ANALYSIS OF A PARALLEL – SERIES RELIABILITY SYSTEM WITH MULTIPLE CONSTRAINTS**" at National Conference on Advances in Mechanical Engineering Sciences, NACAMES - 04 organized by Sri Siddhartha Institute of Technology, Tumkur, during 24 – 25, September 2004, PP 48.
 6. Presented a paper titled "**OPTIMIZATION OF PRODUCT QUALITY THROUGH RELIABILITY UNDER W.T.O. REGIME**" during 26th National Conference of I.A.M.D. & I.U.C.B.E.R. held at Vijaynagar Institute of Management Studies – Bellary, during 7th to 9th February 2002, pp 27.
 7. Presented a paper titled "**ROLE OF INTERNET IN THE FAST DEVELOPING TECHNICAL EDUCATION SCENARIO**" during Fifth Annual Convention of I.S.T.E – Tamilnadu, held at Periyar Maniammai College of Technology for Women, Vallam, during 12th October - 2002.
 8. Presented a paper titled "**MULTIFOLD REDUCTION OF DEFECTS BY USING SIX SIGMA TECHNIQUE**" during The National Seminar on Recent Trends in Production / Operations Management, organized by Department of Production Engineering, Annamalai University, Annamalai Nagar, Tamil Nadu, during 19 – 20 January 2001, pp 73 – 77.
 9. Presented a paper titled "**EVALUATING QUALITY OF SERVICE BY USING DESIGN OF EXPERIMENTS**" during the Two-Day National Seminar on Emerging issues in Services Sector Development – Sponsored by UGC, organized by School of Management studies – CBIT, Hyderabad, during 23 – 24 March 2001.
 10. Presented a paper titled "**ACHIEVING COMPETITIVE EXCELLENCE BY USING SIX SIGMA STATISTICAL TECHNIQUE**" during the Two-Day National Seminar on Emerging issues in Services Sector Development – Sponsored by UGC, organized by School of Management studies – CBIT, Hyderabad, during 23 – 24 March 2001.
 11. Presented a paper titled "**ACHIEVING DESIRED MECHANICAL PROPERTIES BY BLENDING POWDERS USING STATISTICAL DESIGN OF EXPERIMENTS**" during National Seminar on Advances in Metal forming – Proceedings of the National Seminar METFORM – 2000, organized by MIT Campus, Anna University, Chennai, during 15 – 16 March 2000, pp 108 – 112.
 12. Presented a paper titled "**HRM ROLE IN ACHIEVING COMPETITIVE EXCELLENCE**" during National Seminar on Contemporary issues in

- Management held at Department of Business Administration, Mangalore University Mangalore, supported by AIMS, during 12th & 13th October 2000.
13. Presented a paper titled **"AN OPTIMUM WAY TO EVALUATE THE ECONOMIC BENEFITS OF A QUALITY SYSTEM USING CORNING'S APPROACH"** during National Conference on Standardization - NACOSTAN held at Bangalore organized Institution of Standards Engineers - Bangalore Section, 19 - 20 February 1999, pp 2-4/1 to 2-4/5.
 14. Presented a paper titled **"STATISTICAL DESIGN OF EXPERIMENTS FOR PREDICTING AN OPTIMUM BLENDING OF POWDERS TO ATTAIN DESIRED MECHANICAL PROPERTIES"** during National Conference on Quality Control in Metallurgical Industries, held at PSG College of Technology, Coimbatore, during 29 & 30th September 1999, pp 61 - 66.
 15. Presented a paper titled **"TOTAL QUALITY SYSTEMS - STRATEGIC COST MANAGEMENT APPROACH FOR OPTIMUM QUALITY COSTS USING VALUE CHAIN ANALYSIS"** during First Two Day National Conference on Intelligent Manufacturing Systems - A Technology watch held at Coimbatore Institute of Technology during 6th to 7th February 1998, pp p9.1 to p9.8.
 16. Presented a paper titled **"OPTIMUM PRODUCT DESIGN AND DEVELOPMENT THROUGH CREATIVE ENGINEERING METHODOLOGY"** during National Conference on Emerging Trends in Engineering and Management" held at School of Engineering and Technology during 2012.
 17. Presented a paper titled **"OPTIMIZING PROCESS CONFIGURATION USING MULTI ATTRIBUTE UTILITY ANALYSIS"** during National Conference on Quality & Reliability, held at Sri Jaya Chamarajendra College of Engineering, Mysore - 570006 during 5th to 7th December 1996.
 18. Presented a paper titled **"A STRATEGIC COST MANAGEMENT APPROACH FOR OPTIMUM QUALITY COSTS USING VALUE CHAIN ANALYSIS"** during First Two Day National Conference on Intelligent Manufacturing Systems - A Technology Watch, held at Department of Mechanical Engineering, Coimbatore Institute of Technology, during 6th - 7th February 1998.
 19. Presented a paper titled **"ACHIEVING STANDARDIZATION BY QUANTIFYING QUALITY IN SERVICE SECTOR - THROUGH DESIGN OF EXPERIMENTS"** during XXXII ORSI Annual Convention - 1999, hosted by The Operational Research Society of India Tirupati Chapter, held at S V University, Tirupati, during 20th - 22nd December 1999.

g) WORKSHOPS: 10

1. Attended a four-week Course on "MICROPROCESSERS AND APPLICATIONS" conducted during 11th January 1993 to 05th February 1993 in the Department of Electrical Engineering, U V C E, Bangalore 560 001, sponsored by Ministry of Human Resources and Development.
2. Attended a Three-Day workshop on "Trainers' Training Programme on Entrepreneurship Development Orientation" during 15th to 17th April 2005, organized by VTU Belgaum in association with Centre for Entrepreneurship Development of Karnataka (CEDOK - Dharwad) at Vemana Institute of Technology, Bangalore.
3. Attended a Three-day Faculty Development Program on "FACTO2K17 – FUNDING, AUTHORIZING, COUNSELING, TQM & OPPORTUNITIES IN Entrepreneurship" during 02nd to 04th August 2017, organized by Sri Sairam College of Engineering, Anekal, Bangalore.
4. Attended AICTE sponsored Two-day Seminar on "REFORMS IN THE CONDUCT OF EXAMINATION PROCESS" held on December 4th & 5th 2004, organized by Visvesvaraya Technological University, Belgaum.
5. Attended a One-day program on "MICRO TEACHING TRAINING" on 29-11-2003, organized by Government Tool Room & Training Centre, Bangalore.
6. Attended a Three-day National Workshop on "TAGUCHI METHOD BASED QUALITY ENGINEERING TECHNIQUES" during February 18 – 20, 2001, organized by Department of Mechanical Engineering, Arunai Engineering College, Tiruvannamalai – 606603, Tamil Nadu, sponsored by All India Council of Technical Education New Delhi.
7. Attended a One-week National Workshop on "MANAGING MANAGEMENT SCHOOLS" during January 02 – 06, 2001, organized by Xavier Institute of Management & Entrepreneurship (XIME) Koramangala, Bangalore – 560 034.
8. Attended a Four days Faculty Development Program on "OUTCOME BASED EDUCATION AND ROAD MAP FOR ACCREDITATION" during 18th – 21st January 2017 at Sri Sairam College of Engineering, Anekal, Bengaluru.
9. Attended a One-day program on "NBA ACCREDITATION – A HALL MARK IN TECHNICAL EDUCATION" on 27-11-2001, organized by Kongu Engineering College, Erode – 638052.
10. Attended a One Day TEQIP 1.3 SPONSERED Workshop on "PROPOSED MODEL CURRICULAM BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE) FOR UG AND PG COURSES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT" On 12th March 2018 at B M S College of Engineering, Bengaluru.

h) Articles in Magazines / Media : 03

1. Article titled "INNOVATION & GOAL ORIENTED TEACHING – CURATING A DIFFERENT BREED OF ENGINEERS" published in Higher Education Review – Engineering College of the Year 2014 issue, dated December 2014. Page 50 – 51.
2. Article titled "STUDENT ENGAGEMENT – BUILDING A BETTER NATION THROUGH QUALITY EDUCATION" published in Higher Education Review – Engineering College of the Year 2016 issue, dated December 2016. Page 102 – 103.
3. Article titled "MOTIVATIONAL ASPECTS" published in DL – Digital Learning India, August 2016 issue, Volume 12, Issue 06, page 78.

i) Memberships: 05

1. Life Member of "**THE INDIAN SOCIETY FOR TECHNICAL EDUCATION**" bearing Membership No. **LM 12807** since 1992.
2. Life Member and Fellow of "**THE INSTITUTION OF ENGINEERS**" bearing Membership No. F – 1226327 in PR Division.
3. Member of "**SAEINDIA**" bearing Membership No. 7140111571.
4. Member of "**INSTITUTE OF STANDARDS ENGINEERS**" bearing Membership No. M-3135.
5. Member of "**THE INDIAN INSTITUTION OF PRODUCTION ENGINEERS**".

j) KEYNOTE SPEAKER / Chairing Sessions / Chief Guest: 16

1. Delivered a keynote presentation on "**EMERGING TRENDS IN ENGINEERING RESEARCH**" at International Conference on "EMERGING TRENDS IN ENGINEERING, SCIENCE AND TECHNOLOGIES" (ICETEST-2017) held on 18 – 20th March 2017 organized by Sri Venkateswara University College of Engineering, Tirupati under TEQUIP 2.
2. Delivered a keynote presentation on "**RESEARCH CHALLENGES IN ENGINEERING AND TECHNOLOGY**" at International Conference on "RESEARCH CHALLENGES IN ENGINEERING AND TECHNOLOGY" (ICRCET-2016) held on 18 – 19th August 2016 organized by Siddharth Institute of Engineering & Technology (SIETK), Puttur and Institute for Engineering Research and Publication ((IFERP).

3. Chaired a Technical session on "**QUALITY AND MANAGEMENT**" during National Conference on Recent Trends in Manufacturing Technology and Management" on 28 – 29, January 2002, held at Adhiyamaan College of Engineering, Hosur.
4. Chaired a Technical session on "**FRONTIER TECHNOLOGIES**" during First International Conference on Frontier Technologies – need for the Industry, Business and Education" during 06 – 08, September 2006, organized by ISTE Chapter, Adhiyamaan College of Engineering, Hosur 635 109.
5. Chaired a Technical session and acted as a session Judge on Two days National Conference on Recent Trends in Manufacturing – 2005, organized by Department of Mechanical Engineering, New Horizon College of Engineering, Bangalore on 18th March 2005.
6. Worked as Conference Chair at the 4th International Conference on "**CHIP, CIRCUITRY, CURRENT, CODING, COMBUSTION & COMPOSITES (i7C – 2017)**" held on 16th – 17th November 2017 organized by Sri Sairam College of Engineering in association with Institute for Engineering Research and Publication ((IFERP).
7. Attended as a **Chief Guest** for the Inaugural function of "**Mechanical Forum**" at Sai Vidya Institute of Technology, Bangalore – 560 064, on 07th April 2011.
8. Attended as a **Chief Guest** for the Inaugural session of "**PROJECT EXHIBITION CUM SEMINAR**" for Final Year B E 2018 at Department of Industrial Engineering and Management, R V C E. Bangalore.
9. Attended as a Guest Speaker and handled the session on "**Materials Management**" for the Engineering and Diploma students on 13.03.1997 at TREC – STEP and the program is cosponsored by Department of Science and Technology.
10. Attended as a **Guest Speaker to deliver a technical session** for a One Day Seminar on "**ROLE OF A CHEMIST IN INDUSTRIES**" organized by Department of Chemistry, Holy Cross College, Tiruchi -2.
11. Attended as a **Guest Speaker to deliver a Technical Lecture on "OPTIMIZATION IN SUPPLY CHAIN MANAGEMENT"** on AICTE Sponsored Faculty Development Program on "Quantitative Models in Supply Chain management" during 17th May to 30th May 2004 and delivered lecture on 24th May 2004.
12. Attended as a **Guest Speaker to deliver a Technical Lecture on "SUPPLY CHAIN PERFORMANCE METRICS"** on Two-day QIP on Logistics & Supply Chain Management during 31st July 2004.

13. Attended as a Guest Speaker to deliver a Technical Lecture on "**MODERN TRENDS IN MANUFACTURING ENGINEERING**" on 8th November 2008 at B M S Institute of Technology.
14. Delivered a Technical talk on "**PRINCIPLES OF MANAGEMENT – SUSTAINABLE OPERATIONS MANAGEMENT – CHALLENGES AND SCOPE FOR YOUNGER GENERATION**" on 17th March 2017 at Department of Mechanical Engineering, Bellari Institute of Technology & Management.
15. Delivered a **Technical talk, Participation in the Technical Committee and Chairing the Conference Special Session** during National Conference on Science, Engineering and Management on 25th May 2018 at Department of Mechanical Engineering, The Oxford College of Engineering, Bangalore.
16. Delivered a Technical talk and lead the session in HAL Management Academy on "**INTRODUCTION TO RELIABILITY ENGINEERING AND CONCEPTS**" during training Program for Design Engineers of HAL on 23rd Jan 2012.

k) BOOK REVIEW: 01

1. Reviewed the book titled "MANAGEMENT CONTROL SYSTEMS BY GUPTA, SRINIVASAN AND KAPOOR".

l) RESEARCH SUPERVISOR: 05

1. Authorized Research Supervisor of Visvesvaraya Technological University Belagavi for guiding Research Candidates leading to Ph. D degree in the faculty of Engineering and Technology.
2. Authorized Research Supervisor of Jain University for guiding Research Candidates leading to Ph. D degree in the faculty of Engineering and Technology.
3. Authorized Research Supervisor of Dr. M G R Educational and Research Institute University for guiding Research Candidates leading to Ph. D degree in the faculty of Engineering and Technology.
4. Authorized Research Supervisor of Jawaharlal Technological University Ananthapur for guiding Research Candidates leading to Ph. D degree in the faculty of Engineering and Technology.
5. Authorized Research Supervisor of Jawaharlal Technological University Hyderabad for guiding Research Candidates leading to Ph. D degree in the faculty of Engineering and Technology.

17. Recognition: 12

1. Appointed as **Chairman of Board of Examiners** for Mechanical Engineering of VTU for the Academic Year 2016 – 2017.
2. Appointed as Member of Board of Examiners for Mechanical Engineering of VTU for the Academic Year 2013 – 2014.
3. Appointed as **External Member – BOE** for B. Tech / B.E Examinations for Mechanical Engineering of JAIN University for the JUNE 2016 Examinations.
4. Appointed as **External Member – BOE** for B. Tech / B.E Examinations for Mechanical Engineering of JAIN University for the December 2015 Examinations
5. Appointed as **Member of Board of Studies** for Mechanical Engineering of Bangalore University for the term of Three 3 years from May 2014.
6. Appointed as **Academic Advisory Member for National Cyber Safety and Security Standards**, New Delhi.
7. Elected as Member of **Section Managing Committee of ISTE** from Karnataka for the term 2012 – 2014.
8. Nominated by VTU VC for the Governing Council of Vemana Institute of Technology Bangalore from 2017 to 2019.
9. Nominated as Governing Council Member by VTU VC for the **Governing Council** of Impact College of Engineering & Applied Science, Bangalore from 01.03.2014 to 31.03.2016.
10. Nominated as **Governing Council Member and Member Secretary** of Governing Council of Sri Sairam College of Engineering, Anekal, Bangalore.
11. Selected as **BEST SUBORDINATE** during 1986 – 87 at M/s Rashtriya Chemicals & Fertilizers Ltd., Chembur, Bombay.
12. Nominated by the Institution as Advisory Committee member of Innovation, Entrepreneurship and Development Cell (IEDC) under DST.

18. Other Relevant Information supporting the application: 11

1. Obtained the **NCC "B"** Certificate in March 1981 under the authority of the Ministry of Defense, Government of India.
2. Obtained the **NCC "C"** Certificate in March 1982 under the authority of the Ministry of Defense, Government of India.
3. Passed "**Graduate Aptitude Test in Engineering – GATE**" bearing Reg. No. PI 55426 and obtained 83.44 percentile in Production and Industrial Engineering discipline.
4. Chief Coordinator of VTU Manual Valuation Centre for Civil & its allied branches.

5. Fellow of Institute of Engineers - IEI.
6. Life Member of ISTE (Indian Society for Technical Education)
7. Life Member of SEI (Standards Engineers India)
8. Evaluated several D. Litt, Ph. D and M. Tech Project / Thesis works of several Universities.
9. Delivered several Guest Lectures, Keynote Lectures and Chaired the Technical Sessions.
10. Member of BOS – Faculty of Engineering Sciences JAIN University, UVCE – Bengaluru.
11. Member of VTU – LIC Inspection Committee

19. Vision / Goal

*To survive and grow in a positive direction, build the Institution with 4 pillars 1. Academic 2. Research 3. Placement & 4. Innovation. **To drive in the right direction, setting a Techno economical ambience in the campus for executing Innovative & Socio relevant Inter disciplinary Applied Engineering Research projects.***

(a) Referee No. 1: Dr. C Chandra Shekar

**Professor, Department of Computer Science,
IIT Madras, Chennai – 600 036, Phone: 044 22578341, 044 22579341
eMail: Chandra@cs.iitm.ernet.in**

(b) Referee No. 2: Dr. C. UMA SHANKAR

**Registrar, Rashtriya Sanskrit Vidyapeetha,
Tirupathi, Andhra Pradesh. Phone: 09441263963,
e Mail: cumaor@rediffmail.com**

Date : 20.07.2023

Signature

Place : Bengaluru

