

RESUME

Dr. K S BADARINARAYAN *B.E, M. Tech, CSQC, PGDFM, Ph.D MISTE, MORSI, FIIE, FIE*

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|-----|---|---|--|--|
| 1. | Name | Dr. K S BADARINARAYAN | | |
| 2. | Designation | PRINCIPAL | | |
| 3. | Date of Birth | 02.01.1961 | | |
| 4. | Qualification | Year : 1984 UG Degree : B.E (Mechanical Engineering) | Year : 1986 PG Degree : M. Tech (Industrial Engineering) | Year: 2008 Ph.D (Flexible Manufacturing System Scheduling) |
| | Institution | UVCE, Bangalore | REC, Calicut University | Calicut University, Research Centre, NIT Calicut |
| 5. | Total Experience in Years | Teaching : 26 Yrs | Administrative: 08 Yrs | Research: 06 Yrs |
| 6. | Papers Published | National : 06 | International : Nil | |
| 7. | Papers Presented in Conferences | National : 16 | International : 18 | |
| 8. | PhDs/Projects Guide | PhDs: 03 Projects at UG/PG : 47 <i>Details Enclosed in Table 5</i> | | |
| 9. | Area of Research | Industrial Engineering, Manufacturing, Supply Chain Management, Simulation, Quality Management | | |
| 10. | Professional Memberships | <ul style="list-style-type: none"> • LIFE MEMBER - Indian Society for Technical Education (ISTE) - MISTE-(16371) • LIFE MEMBER- Senior Member - Operations Research Society of India (ORSI), Bangalore Chapter –MORSI • FELLOW - Institution of Engineers (India) – FIE • FELLOW - Indian Institution of Industrial Engineering- FIIE | | |
| 11. | Consultancy Activities | <i>Details Enclosed in Table 1</i> | | |
| 12. | Awards | Recipient of ' Recognition of Excellence ' award given by R.V. College of Engineering during Republic day celebration on 26th Jan 2003. | | |
| 13. | Grants fetched | <i>Details Enclosed in Table 2</i> | | |
| 14. | Interaction with Professional Institution | Hon. Secretary IIIE, Bangalore Chapter Hon. Secretary ISTE, RVCE Chapter | | |
| 15. | List of Publications | 40 Publications. <i>Details enclosed in Table 3</i> | | |
| 16. | Invited Talks / FDP's Conducted | 32 Invited Talks and 43 FDP's are conducted. Details Enclosed in Table 4 | | |



Table 1: CONSULTANCY PROJECTS

| Year | Organization | Project Title |
|------|--|---|
| 2002 | Bharti Mobile Limited (A Bharti Enterprise) 47, Millers Tank Road, Bangalore- 52. | Labour Productivity Studies at 1. Business Control Division 2. Finance Division 3. Technical Support Division |
| 2003 | R V College of Engineering, Bangalore | Accreditation |
| | Spicer Indian Limited (Anand Technology Services Group) Jodalli, Dharwad, Karnataka | Design and Development of Ergonomic Rating System for evaluating and monitoring design of work place and Training |
| | OM Pharmaceuticals Limited Old Madras Road, Bangalore | Development of Master Layout Plan for OM Pharmaceuticals Limited |
| 2004 | R V College of Engineering, Bangalore | Office Automation |
| 2006 | M/s Universal Carburizing Works Pvt. Ltd., Mahadevapura, Whitefield Road, Bangalore - 48 | Re-designing the Plant layout and improving visual communication in a mass production unit |
| 2006 | Spicer India Limited (Anand Technology Services Group) Hosur | Value Analysis and Value Engineering studies |
| | Indian Statistical Institute Mysore Road, Bangalore | Design and fabrication of Catapult for conduction DOE experiments. |
| | B.V.B College of Engineering, Hubli | Design and development of Industrial Engineering Lab experiment Set up. |
| | Vijayanagar Engineering College, Bellary | Design and development of Industrial Engineering Lab experiment Set up and Production Technology Lab |
| | J S S Academy of Technical Education Bangalore | Design and development of Industrial Engineering Lab experiment Set up. |
| | Bangalore Institute of Technology Bangalore | Design and development of Industrial Engineering Lab experiment Set up. |
| 2007 | Karle Group of Industries Bangalore | Design of module for recruit of Middle and Senior level executives. |
| | Syscon Industries | Design and development of tool measurement of Milling Tool Dynamometer |
| | Lincoln Helios | Design and Development of Inventory Performance and Service Level Management System |
| | Vee Technologies | Productivity Improvement studies |
| | Sansera | Productivity Studies |
| 2008 | SSIT, Tumkur | Design and development of Industrial Engineering Lab experiment Set up. |

Table 2: FUNDED PROJECTS

| Year | Type | Sponsored by | Title of the Project | Amount Sanctioned | Status |
|------|---------------------|-----------------------------------|---|-------------------|-----------|
| 1999 | TAPTECH | AICTE | Hi-tech multimedia seminar modules for Management & quality control training” | 12 Lakhs | Completed |
| 2006 | Information Network | University Grant Commission (UGC) | Establishment of UGC-Network Resource Centre | 1,70,000/- | Completed |
| 2007 | MODROBS | AICTE | Modernization of Industrial | 10 Lakhs | Completed |

Table 3: PAPERS PUBLISHED

1. The paper entitled “**Computer Aided Line Balancing for Productivity**” published in the proceedings of XXXVI National Convention of IIIE 1994, Bangalore.
2. Co-author of the paper entitled “**Reliability analysis on Aero Engines – a case Study**” presented at the XXXVI National Convention of the Indian Institute of Industrial Engineering 1994, Bangalore.
3. K S Badarinarayana and N S Narahari (2002); “**Value Analysis on Panel Filters – A Case Study**” proceedings of 44th National Convention Indian Institution of Industrial Engineering, at Bombay. (22nd & 23rd Nov 2002)
4. K S Badarinarayana and N S Narahari (2002); “**System’s approach to Curriculum development for Operations Research course**” proceedings of International Conference of Operations Research Development (ICORD), India, conducted at Anna University, Chennai. (27th – 30th Dec 2002)
5. K S Badarinarayana and S Ramalingareddy (2002); “**Design of Pharmacy Information System – A Case Study**” proceedings of International Conference of Operations Research Development (ICORD), India, conducted at Anna University, Chennai. (27th – 30th Dec 2002)
6. K.S. Badarinarayana & Dr. M.P. Chandrasekharan (2003); “**Integer Programming Model & Scheduling of Operations for a Manufacturing Organization**”. International Conference of Asia Pacific Operations Research Society (APORS), India, conducted at New Delhi. (8th – 11th Dec 2003).
7. K S Badarinarayana and S Ramalingareddy (2003); “**Measurement Systems Analysis**” National Conference of Indian Institution of Industrial Engineering (IIIE), India, conducted at Vishakapatnam. (11th – 12th Dec 2003)
8. K S Badarinarayana and S Ramalinga Reddy (2002); “**Lean Concepts for Unlocking the Locked Situations**” 46th national convention of IIIE”, conducted at Trivandrum (24th – 26th September 2004)
9. C.K. Nagendra Guptha, K.V.S Rajeswara Rao and Prof. K.S. Badanraianaraya (2005) Abstract paper titled “**Improving Supply Chains Visibility through RFID**” 47th National Conference of IIIE to be conducted at Pune, November 2005
10. Prof. K S Badarinarayana, K N Subramanya and C K Nagendra Guptha (2005) “**Capacity Planning and Scheduling at a CNC Shop – A Case Study**”, 47th National Convention of IIIE, Conducted at Pune, 11th – 13th Nov. 2005

11. S.Sreenkath, Prof. K S Badarinarayana, K N Subramanya and S Ramalinga Reddy **“Line Balancing and Visual Control of Auto Components – A case study”** 9th Annual International Conference of the Society of Operations Management, Pondicherry, 16th – 18th Dec 2005
12. S Ramalinga Reddy, Prof. K S Badarinarayana and S.Sreenkath **“Capacity Planning and Optimization of the Manufacturing process of Butterfly valves ”** 9th Annual International Conference of the Society of Operations Management, Pondicherry . 16th – 18th Dec 2005
13. S Ramalinga Reddy and Prof. K S Badarinarayana **“Development of Work schedule for Nursing staff by integer Programming for a corporate Hospital”** International Conference at ORSI Conference, Bangalore, 27th – 29th December 2005.
14. D. Venugopal Setty, Dr.H.N.Narasihma Murthy and Prof. K.S. Badrinarayana, **“Lean Manufacturing At Automobile Industry – A Case Study”** 5th International Conference at ICORD Conference, Jamshedpur, 19 – 21 Dec. 2005
15. K.V.S. Rajeswara Rao, Dr. B. Bakkappa, Prof. K.S. Badarinarayana and C.K. Nagendra Guptha (2006) **“Quality of Work Life in Business Process Outsourcing Industry”** - Quality Introspect 2006 at Nagpur in March 2006.
16. C K Nagendra Guptha, Prof. K S Badarinarayana, Prof. N S Narahari(2006) **“An Overview of Emerging Reverse Supply Chain Networks”** at 48th National Convention of Indian Institution of Industrial Engineering, Bangalore(29-30 September 2006).
17. K S Badarinarayana, M P Chandrasekharan (2006) **“Minimization of distance traveled by Automated Storage and Retrieval System Machine in FMS environment using Cluster Analysis Approach”**, at 48th National Convention of Indian Institution of Industrial Engineering, Bangalore(29-30 September 2006)
18. Manasa R. Nadig, Swathi Parthasarathi, C.K. Nagendra Guptha, Prof. K.S. Badarinarayana (2006) **“Evolution Of Reverse Logistics – A Review”**, at 48th National Convention of Indian Institution of Industrial Engineering, Bangalore(29-30 September 2006)
19. K V S Rajeswara Rao, Dr.B Bakkappa, Prof.K S Badarinarayana(2006) **“H R practices in BPO Industry – A case study”** 48th National Conference of IIIIE ,conducted at Bangalore (28-29 September 2006)
20. K S Badarinarayana, M P Chandrasekharan (2006) **“Generation of a sequence for scheduling Automatic Storage and Retrieval System Machine using Genetic Algorithm”**, at International Conference on Statistical Science, OR and IT, during 7 – 9 January, 2007, Tirupati .
21. D Venugopal Shetty, K S Badarinarayan, **“Design and development of Industrial Robot”** International conference on Soft computing techniques in Engineering at Faculty of engineering dept. of Computer Science & Engg.,Coimbatore during 24 – 25 Jan 2007
22. Shobha N.S, Ramaa.A, and Prof. K.S Badarinarayana presented a paper on **“Toyota way of assuring quality in open distance learning institutions”** – National conference of quality assurance in ODL institutions, KSOU, Manasagangothri, Mysore held on 3 - 5 March 2007.
23. K S Badarinarayana, Vivekanand S Gogi, **“Total Quality Management in Education”** at National Conference on World Class Manufacturing Practices (WCMP-2007) on 2nd & 3rd April 2007 conducted by department of IP, Basaveshwar College of Engineering, Bagalkot.

24. K S Badarinarayana, M P Chandrasekharan (2006) **“Reduction of AS/RS Machine in Storage Area By Clustering Of Demand Data Using Simulation Modeling”**, at IIE, 49th National Convention, Trivandrum during October 12th – 14th 2007.
25. D. Venugopal Setty, Prof. K.S. Badrinarayana and Dr. Rajagopal K, **“Productivity Improvement studies at a Renowned Garment Export Industry”** at IIE, 49th National Convention, Trivandrum during October 12th – 14th 2007.
26. K V S Rajeswara Rao, Dr.B Bakkappa and Prof. K S Badarinarayana, **“Quality of Work Life Practices in BPO Industry – An Empirical Study”** at 9th International Conference “Management of Transformation” during 3 – 5 January 2008 at New Delhi
27. Vivekanand S Gogi, Dr. K S Badarinarayan **“Cluster Formation using Kohonen’s Self Organizing Map”** at International Conference on Mechanical and Industrial Engineering" conducted by Institute for Research and Development India, Bhubaneswar, Odisha at Goa on 28th August 2012
28. Dr. K. S. Badarinarayan, Jamuna. A.B, Ranjitha.P, Saranya. V. C, **“Standerization Of Work Process & two bin Kanban System”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October , 2012 at Bangalore.
29. Dr.K.S.Badarinarayan, Sireesha Kraleti, **“Green energy stratgies for sustainable infrastructures of developing countries: A Review”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October, 2012 at Bangalore.
30. Dr. K.S.Badarinarayan, Krishna Mouli, Chandrashekhar.K.M, **“Optimization of Two Echelon Capacitated Facility Location Problem by Genetic Algorithm”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October ,2012 at Bangalore.
31. Dr. K.S.Badarinarayan, Ranjith. P, Jamuna. A. B, **“First Pass Yield”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October ,2012 at Bangalore.
32. Dr. K. S. Badarinarayan, Saranya. V. C, Jamuna. A.B, Ranjitha.P , **“Implementing Six Sigma in Banking Sector”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October ,2012 at Bangalore.
33. Dr. K. S. Badarinarayan, Prathibha. D, Vasiga. D, Saranya. V. C, **“Six Sigma & Educational Excellence”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October, 2012 at Bangalore.
34. Dr. K. S. Badarinarayan, Ms. Latha Shanmugam, Ms. Srilatha T, Dr. Lilly Florence, **“Reliable Innovations on Agile Project Management”** at 54th National Convention of Indian Institution of Industrial Engineering & International Conference during 29th to 31st October, 2012 at Bangalore.

JOURNAL PAPERS

- 1 C K Nagendra Guptha, Prof K S Badarinarayana and K V S Rajeshwara Rao (2006); **“Decision Support System for Spare Parts Management”**, Special Issue 2006, Journal of Indian Institution of Industrial Engineering.
- 2 K V S Rajeshwara Rao Dr. B Bakkappa & K S Badarinarayana: **Business Process Outsourcing- An Overview of India’s New Sunrise Industry**; GITAM Journal of Management, Vol. 5, No. 4 pp 160 -168, Oct. – Dec. 2007.
- 3 Prof. K S Badarinarayan & RAMAA A: **Toyota Way for Assuring Quality in Technical Education Programs – The Indian Journal of Technical Education. Vol 30 . No. 4 . October – December 2007.**
- 4 Vivekanand S Gogi, Dr. K S Badarinarayan **“Cluster Formation using Kohonen’s Self Organizing Map”** in International Journal on Theoretical & Applied Research in Mechanical Engineering, ISSN: 2319 – 2526 **(Under Review)**
- 5 Dr. K.S Badarinarayan, Dr. S.K Maharana, Shweta Agrawal , JEST-M, Vol.-1 , Issue 2, 2012, **“ Thermodynamic Performance Analysis of a combined cycle system with wet compression”**.
- 6 Dr. K.S Badarinarayan, P.Rhushi Prasad, P.B Gangavati, H.V Byregowda, JEST-M, Vol.-1, Issue 1, 2012, **“Advanced Material Technology and Future of III-V Multijunction Solar Cells”**.
- 7 Dr. K.S Badarinarayan, P.Rhushi Prasad, P.B Gangavati, H.V Byregowda, JEST-M, Vol.-1, Issue 1, 2012, **“Development of Computer Program in C-Language for a Performance Analysis of a Flat Plate Collector in Solar Water Heating Systems”**.

Table 4: INVITED TALKS / FDP’S CONDUCTED

TECHNICAL LECTURES DELIVERED

1. “Statistical Inference” at STTP Total Quality Management (2000)
2. Training Office Persons on Fundamentals of Computers and CSR Rules at R V College of Engineering (2001)
3. Motivating the Staff for accreditation Process at R V College of Engineering (2002)
4. A Two day workshop on Simulation Modeling and Analysis at R V College of Engineering (2002)
5. Two Day Training Programme on “ Work Simplification and Work Place Design” for operating Engineers at Spicer India, Dharwad (16-17 January 2004)
6. Two Day Training Programme on “ Work Simplification and Work Place Design” for operating Engineers at Spicer India, Dharwad (16-17 July 2004)
7. “Acceptance Planning” – at MVJ College of Engineering, Bangalore (18th August 2004)
8. “Schedule of Workshop on Lean Manufacturing System” at HAL Staff College (21st February 2004)

9. "IT as a tool in designing Courseware" at STTP on "World Class Management Practices for Managing Professional Institutions" at R V College of Engineering, (26th August 2004)
10. "Stress Management" at Deccan Industries, Peenya, (September 2004)
11. "Network for Office Administration" at R V College of Engineering, (August 2004)
12. "Orthogonal Array" at SIT, Tumkur (2nd March 2005)
13. "DMIAC" at ABCON Ltd., Bangalore (4th March 2005)
14. "Ergonomics" at Smt. V H D Central Institute of Home Science, Bangalore. (24th March 2005)
15. Three days personality development programme for the students of VII Semester during 21st – 23rd August 2006
16. "Supply Chain Management" at Basavesvara Engineering College, Bagalkot during March 2007
17. "7QC Tools and SPC Software Applications" during One week short term training programme on "Recent Trends in Quality Engineering and Management" organized by department of management studies, Bangalore Institute of Technology, Bangalore from 2nd to 6th April 2007.
18. " Perceptions & Interpersonal Skills In Teaching" and " 5'S Principles" on 30th March 2007 during Two weeks staff development programme on "Design & Analysis of Lean Production Systems", organized by the Department of Mechanical Engineering, National Institute of Technology, Calicut from March 26 – April 06, 2007, under the sponsorship of All India Council for Technical Education. (AICTE), New Delhi.
19. "Face the world with Confidence" for Women's Empowerment and Skills Training (WEST), July 2007.
20. "Facing Interviews" for Women's Empowerment and Skills Training (WEST), August 2007.
21. "Career Planning" for I Semester Students during 3rd – 4th August 2007.
22. "Toyota way for Assuring availability in technical education programme" at IIIE, AGM, on 26th August 2007.
23. "Ergonomics Training", National level Executive training programme for Anand Group of Industries during 27th – 28th September 2007.
24. "Management of Employee Relations" Regional Conference on Human Resource Management in Technical Education Institutions during 18 – 20th December 2007.
25. "Architecture for Knowledge Management Systems" AICTE sponsored faculty development programme on "Knowledge Management" conducted by department of Information Science and Engineering, R.V. College of Engineering, on 25th January 2008.
26. "Team Work" faculty development programme at Global Academy of Technology, Bangalore on 30th January 2008.
27. " Joy at work place" at Indian Heritage Academy, Bangalore on 27th June 2008 for Vigilance Officers, programme sponsored by Vigilance Commission of India.
28. "Talk delivered on NBA accreditation process" at Intell College of Engineering, Anantapur, July 2008
29. "Talk on how to face accreditation team" at SKD, Gooty, August 2008.
30. "Excellence in Education" at CBIT, VBIT at Produtoor, June 2010
31. "Statistics for Engineers" at SIT, Tumkur July 2010.
32. "Computers in enhancing productivity" at SDGS Degree College, Hindupur, September 2010

PROGRAMMES CONDUCTED:

| Sl. No. | Programme | Responsibility | Year |
|----------------|--|------------------------|---|
| 1. | Seminar on Role & Scope of Industrial & Production Engineers | Co-ordinator | 1989 |
| 2. | Workshop on Future Challenges to Industrial and Production engineer and Techno Management Quiz | Organiser | 1991 |
| 3. | Application of Orthogonal array technique to R & D and Product development | Faculty | 1993 |
| 4. | Real time game on Inventory Management | Faculty | 1994 |
| 5. | Application of Orthogonal array technique to R & D and Product development | Faculty | 1995 |
| 6. | Communication Workshop | Faculty | 1996 |
| 7. | One day Workshop on Learn Management through Games | Faculty | 1996 |
| 8. | One day workshop on Forecasting and Strategic Planning | Organiser | 1996 |
| 9. | Fast Track Computers upto date | Co-ordinator & Faculty | 1998 |
| 10. | Workshop on effect of technology on culture. | Organiser | 2000 |
| 11. | ISTE-STP on Recent Developments in Total Quality Management | Course Co-ordinator | 2000 |
| 12. | Synergy - 2000 - A Management Festival - Marketo-Mania Event | Organiser | 2000 |
| 13. | Empowerment through Computer Education for economically Backward rural scheduled cast | Co-ordinator & Faculty | 2000 |
| 14. | National Seminar on advances in composite and metal matrix technology -its application | Organiser | 2001 |
| 15. | Three-day Indo German workshop on "Automotive Engineering" (IGWAE- 2003) | Organiser | 27 th , 28 th Feb. & 1 st March 2003 |
| 16. | One day National Seminar on "Cold Hole Expansion Technology" | Organiser | 31 st May 2003 |
| 17. | One day Seminar on Nanotechnology for Space Application | Organiser | 26 th June 2004 |
| 18. | Two Weeks Faculty Development Programme on "Quantitative Models in Supply Chain Management" | Steering Committee | May 17-30, 2004 |

| Sl. No. | Programme | Responsibility | Year |
|----------------|---|---------------------------|--|
| 19. | Two-day programme on "Supply Chain Management (SCM)" | Organiser | July 30-31, 2004 |
| 20. | One week Short Term Training Programme (STTP) on "World Class Management Practices in Professional Institutions" | Steering Committee Member | 23 – 28 Aug. 2004 |
| 21. | Two-day Seminar on "Lean Manufacturing System" | Co-ordinator | 29 – 30 April, 2005 |
| 22. | Two day State Level Seminar on "Constitution of India and Professional Ethics" | Co-ordinator | 11 – 12 August, 2005 |
| 23. | Two week faculty development program on "Business Process Modeling" | Steering Committee Member | 17th – 29th July 2006 |
| 24. | 48 th National Convention of Indian Institution of Industrial Engineering | Co-opted Member | 29-30 Sept. 2006 |
| 25. | Two day Techno Management Festival "SYNERGY 2006" | Advisory Committee Member | 6 th – 7 th October 2006 |
| 26. | National Workshop on "Competency Mapping For Effective Performance" by Dr. P Subramanya Yadapadithaya, Prof. Mangalore University | Co-ordinator | 12th May 2007 |
| 27. | One week short term training programme on "Human Resource Development" | Advisory Committee Member | 25-29, June 2007 |
| 28. | One day seminar on "Lean Manufacturing for Global Competitiveness" | Advisory Committee Member | 16 th – Nov. 2007 |
| 29. | Regional Conference on "Human Resource Management in Technical Education Institutions" | Advisory Committee Member | 18 th – 20 th Dec 2007 |
| 30. | National Conference on Recent Trends in Networking, VLSI and Embedded Systems | Patron | 26 th July 2008 |
| 31. | IETE Student Convention on Recent Trends in Electronics & Telecommunications | Patron | 2 nd August 2008 |
| 32. | State level Conference on Present Trends in Nano – Science and Technology | Patron | 14 th August 2008 |

| Sl. No. | Programme | Responsibility | Year |
|---------|---|----------------|--|
| 33. | National Conference on Emerging Technologies In Computer Applications | Patron | 20 th August 2008 |
| 34. | National Seminar on Latest Technologies In Information Technology Field | Patron | 25 th August 2008 |
| 35. | Campus Connect Road Show by Infosys | Patron | 17 th October 2008 |
| 36. | All India Conference on "Present Trends in Nano Electronics & Embedded Systems (NEES - 2009)" | Patron | 19 & 20 th January 2009 |
| 37. | Workshop on Communications Skills | Patron | 17 th April 2009 |
| 38. | Two Days National Level Student Technical Paper Contest BITIT DIGICON-2K9 | Patron | 17 th & 18 th Sept. 2009 |
| 39. | Two Days National Level Student Technical Paper Contest BITIT VIDYUTH VYOMA | Patron | 17 th & 18 th Sept. 2009 |
| 40. | National Level Workshop on Computer Networks | Patron | 12 th March 2010 |
| 41. | Workshop for MBA students on Quality Management | Patron | 27 th March & 15 th May 2010 |
| 42. | Electro Fair'10 Electronic Exhibition | Patron | 28 th September 2010 |
| 43. | National level Student Technical contest | Patron | 12 th Oct 2010 |

Table 5: PROJECTS GUIDED**Live Projects Guided - Under Graduate**

| SI No. | PROJECT TITLE | ORGANISATION | YEAR |
|---------------|---|---|-------------|
| 1 | Systems integration and design of a Management information system | Integrated process Automation (P) Ltd. | 1988 -1989 |
| 2 | Quality Assurance of Spiral Bevel Gears. | H A L | 1989 -1990 |
| 3 | Productivity Studies on CNC – Gas Cutting Machine | Larsen and Toubro Limited. | 1989 -1990 |
| 4 | System Design for Computerisation of MIS for service Departments. | Ingersoll – Rand (India) Ltd. | 1989 -1990 |
| 5 | Interactive Scheduling | Central Machine Tools Institute | 1989 -1990 |
| 6 | Planning the Assembly and delivery of a new export project (Door of Airbus A - 320) | Hindustan Aeronautics Limited | 1989 -1990 |
| 7 | Review and Improvisation of the Ten-off Recommendations. | Hindustan Aeronautics Limited (Helicopter Division) | 1990 -1991 |
| 8 | Cause and effect Analysis of Rejection. | Hindustan Motors Limited. | 1990 -1991 |
| 9 | Rejection Analysis Of Push Button Type Dialer | Gurupriya Teletechniks | 1990 -1991 |
| 10 | Rejection Analysis on E-89D Push button Telephones | Indian Telephone | 1991 -1992 |
| 11 | Some aspects of productivity improvement. | M/S Jagadale foods pvt Ltd., | 1991-1992 |
| 12 | Project Planning for fabrication of Liquid propellant tanks. | H A L (Aero Space Division) | 1991 - 1992 |
| 13 | Project scheduling for ECB plant at Titan. | Titan watches Limited. | 1991- 1992 |
| 14 | Scheduling of turbine blade operations in blade shop. | Hindustan Aeronautics Ltd (Engine Division) | 1992 -1993 |
| 15 | Optimization Of Wave Soldering Process Parameters | Bharat Heavy Electrical Limited (E.D.N) | 1992- 1993 |
| 16 | Optimization of process parameters in steel wire rod rolling. | Bhoruka Steel Limited | 1993 - 1994 |

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|----|---|---|-------------|
| 17 | Process study and line balancing Main Assembly of CWX – 59 Audio systems. | BPL Sanyo Technologies Ltd. | 1993 - 1994 |
| 18 | Design of Cellular manufacturing System | Kirloskar Electric Company | 1994- 1995 |
| 19 | Application of Quality control techniques to Aluminium extrusions. | Jindal Aluminium Ltd., | 1994 - 1995 |
| 20 | Productivity Analysis of Heavy Motors. | N G E F . Ltd. | 1995 - 1996 |
| 21 | Redesigning the layout of IAF Division. | John Fowler (India) Limited, | 1996 - 1997 |
| 22 | Tools information system and line balancing. WTB Manufacture | Hindustan Aeronautics Limited. | 1996 - 1997 |
| 23 | Process Study and line Balancing of woofer Assembly Unit. | BPL Engineering Ltd. | 1997 - 1998 |
| 24 | Pharmacy Information System | Mallya Hospital | 1997 - 1998 |
| 25 | Productivity enhancement of AC rotating machines by line balancing | KEC Ltd. | 1998 -1999 |
| 26 | Value analysis on panel filters | John Fowler (I) Ltd. Bangalore | 1998 - 1999 |
| 27 | Development of Production Information System | ITC Limited, Bangalore | 1999 - 2000 |
| 28 | Development of tool information module | Kirloskar Toyoda textile Machinery Ltd. | 1999 - 2000 |
| 29 | Reduction of work in process Inventory of Main Plate. | Titan Industries Ltd., | 2000 - 2001 |
| 30 | Scheduling the manufacturing activities for Tool and cutter grinder | TOCOL Enterprises, Bangalore | 2000- 2001 |
| 31 | Productivity analysis of Manufacturing process for legend sofa bed mechanism | Path Interiors Ltd., Bangalore | 2000- 2001 |
| 32 | Optimising the manufacturing process of knife gate valves | Fouress Engineering (India) Ltd., Bangalore | 2001-2002 |
| 33 | Design and Development multimedia module on Total Quality Management | Department of IEM, RVCE, Bangalore | 2001-2002 |
| 34 | Design and Development of online training module on “World class manufacturing practices” | Department of IEM, RVCE, Bangalore | 2001-2002 |
| 35 | Design of Cellular Manufacturing System in the Blade Shop Engine Division, H.A.L. | H.A.L. Engine Division | 2002-2003 |

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|----|--|---|-------------|
| 36 | Market Research on MID – C&C Segment Cars. | Pratham Motors Pvt Ltd Bangalore | 2002-2003 |
| 37 | Design & Development of AN Inter Active Multimedia CD on Engg. Economics | Dept of IE&M, RVCE, Bangalore | 2002-2003 |
| 38 | Lean Concepts for Unlocking the Locked Situations | Adeep Locks Ltd, KIADB Industrial Estate | 2003-2004 |
| 39 | Re-Design of Plant Layout | Om Pharmaceuticals. | 2003-2004 |
| 40 | Design of Plant Layout using Ergonomics Principles | Spicer India Ltd, Dharwad. | 2003-2004 |
| 41 | Capacity Management and Scheduling at CNC Shop | Hindustan Aeronautics Limited | 2004-2005 |
| 42 | Design Of Information System For Work Flow Monitoring | Hindustan Aeronautics Limited Aircraft Research & Design Centre | 2004-2005 |
| 43 | Production Scheduling using Artificial Neural Network | Dept. of IEM, R.V. College of Engineering | 2005 – 2006 |
| 44 | Economic Study of Externality of Bangalore Metro Project | Bangalore Metro Rail Corporation Limited, Bangalore | 2006 - 2007 |

LIVE PROJECTS GUIDED – POST GRADUATE

| SI No | PROJECT TITLE | ORGANISATION | YEAR |
|-------|---|--|------|
| 1 | Optimization in the Conceptual and detailed design stages of Car seat structure | Altair Engineering India Pvt. Ltd. Bangalore | 2006 |
| 2 | Salient Features of the project work titled“Design of Indigenous Automobile Fuel Gauge” | Stumpp Scheule Somappa, Bangalore | 2007 |
| 3 | Computerized Facility Layout Planning | Lincoln Helios | 2008 |

Achievements as PRINCIPAL at BITIT

Academic excellence initiatives

| | | | | |
|-----|---|--|--------|--|
| 1. | National Conference on Recent Trends in Networking, VLSI and Embedded Systems | Organized by Department of ECE, BITIT, Hindupur | Patron | 26 th July 2008 |
| 2. | IETE Student Convention on Recent Trends in Electronics & Telecommunications | Organized by Department of ECE, BITIT, Hindupur | Patron | 2 nd August 2008 |
| 3. | State level Conference on Present Trends in Nano – Science and Technology | Organized by Department of Humanities, BITIT, Hindupur | Patron | 14 th August 2008 |
| 4. | National Conference on Emerging Technologies In Computer Applications | Organized by Department of CSE, BITIT, Hindupur | Patron | 20 th August 2008 |
| 5. | National Seminar on Latest Technologies In Information Technology Field | Organized by Department of CSE, BITIT, Hindupur | Patron | 25 th August 2008 |
| 6. | Campus Connect Road Show by Infosys | Organized by IEG, Hyderabad | Patron | 17 th October 2008 |
| 7. | All India Conference on “Present Trends in Nano Electronics & Embedded Systems (NEES – 2009)” | Organized by Institution of Engineers (India), Kadapa Local Center | Patron | 19 & 20 th January 2009 |
| 8. | Workshop on Communications Skills | Organized by Department of Humanities | Patron | 17 th April 2009 |
| 9. | Two Days National Level Student Technical Paper Contest BITIT DIGICON-2K9 | Organized by Department of ECE | Patron | 17 th & 18 th Sept. 2009 |
| 10. | Two Days National Level Student Technical Paper Contest BITIT VIDYUTH VYOMA | Organized by Department of EEE | Patron | 17 th & 18 th Sept. 2009 |
| 11. | National Level Workshop on Computer Networks | Organized by Department of CSE | Patron | 12 th March 2010 |
| 12. | Workshop for MBA students on Quality Management | Organized by Department of MBA | Patron | 27 th March & 15 th |
| 13. | Electro Fair'10 Electronic Exhibition | Organized by Department of ECE | Patron | 28 th September 2010 |
| 14. | National level Student Technical contest | Organized by Department of ECE,EEE,CSE,MBA | Patron | 12 th Oct 2010 |

COLLEGE DEVELOPMENT INITIATIVES

1. NBA Accreditation to BIT IT for ECE and CSE for a period of 3 years (2009-2012)
2. Starting of Second Shift Polytechnic College at BITIT intake of 180 seats.
3. Starting of Civil at BITIT with 60 intake.
4. Starting of MBA at BITIT with 60 intake.
5. MoU with Camo and TMI
6. MODROB for establishing Microcontroller lab Rs 15 lakhs

CORPORATE SOCIAL RESPONSIBILITY

- Launched National Service Scheme (NSS) Unit in the month of October 2008. The NSS volunteers of BIT organized blood donation camp in association with Sri Satya Sai Hospital, Puttaparthi and donated 40 units of blood voluntarily
- The BIT – NSS unit organized Vana Mahotsavam on 30.12.2008
- BIT – NSS Camp at Beerepalli from 25.03.2010 to 31.03.2010
- Pulse Polio by BIT – NSS unit from 01.02.2009 to 03.02.2009
- Blind school books distribution
- One day programme on First Aid by Dr E T Rama Murthy 7th February 2009

STUDENT CO CURRICULAR

- BIT Saarang'09 a cultural event of BIT was organized on 3rd January 2009
- Awareness on 108 Services 24th September 2009
- Workshop on Ragging Awareness 23rd July 2009
- Sneha Madhuri a cultural programme was organized on 12th August 2009
- BIT Product Expo organized by MBA department in the month of October 2009
- EENADU – MUNDADUGU (Workshop on RTA Act) 6th November 2009
- BIT – Yuv Tarang'10 a cultural fest of BIT was organized on 27th February 2010
- Day workshop on How to score Good Marks in Examinations 06th March 2010
- One day workshop on leadership qualities by Faith Tigers, Bangalore 20th July 2010

Achievements as PRINCIPAL at MVJ College of Engineering

| Sl. No. | Name of the Conference etc. organized | Date & Month | Sponsorer |
|---------|--|---|--|
| 1 | SEMINAR ON Tangential flow filtration | 2/4/2011 | MVJCE |
| 2 | SEMINAR ON Myths and realities in biotechnology | 19/05/2011 | MVJCE |
| 3 | SEMINAR ON Recent Trends in Biotechnology | 1/8/2011 | MVJCE |
| 4 | Advances in Process Plant Operations | 7 th & 8 th -9-2011 | MVJCE |
| 5 | Advances in Chemical Engineering | 7 th & 8 th -4-2011 | MVJCE |
| 6 | Advances in Polymer Science Engineering | 23 rd & 24 th -6-2011 | MVJCE |
| 7 | Rotary Club Seminar | 9/4/2011 | Rotary Club |
| 8 | Technical Quiz- "Beyond Logic" | 16/05/2011 | MVJCE |
| 9 | Faculty Development Workshop on Mobile Computing | 28 /05/ 2011 | Microsoft |
| 10 | Computer Training Program as a part of Corporate Social Responsibility Program | 27/07/2011 to 29/07/2011 | MVJCE |
| 11 | Two days workshop on "Android Applications" | 28/09/2011 & 29/09/2011 | Li2 Innovation |
| 12 | "The Great Mind Challenge '11 contest awareness program" | 28/09/2011 | IBM TGMC12 |
| 13 | One day Workshop on "Introduction To Concrete Mix Design And Admixtures" | 9/5/2011 | Ultratech Cement Pvt., Ltd., BANGALORE |
| 14 | Demonstration on "Concrete Mix Design" | 9/5/2011 | Ultratech Cement Pvt., Ltd., BANGALORE |
| 15 | Technical Seminar on "Tekla Structures Software" | 22/06/2011 | Tekla India Pvt., Ltd., BLORE |
| 16 | Technical Lecture on "Project Time & Resource Management" | 8/4/2011 | SyconE CPMC Pvt., Ltd., BLORE |
| 17 | Technical Lecture on "Water Proofing and Concrete Repairs" | 7/9/2011 | Dr. Fixit Institute of SPR (DFI-SPR), MUMBAI |
| 18 | Technical Lecture on "Concrete Admixtures" | 24/09/2011 | Fosroc Chemicals (India) Pvt., Ltd. BLORE, |
| 19 | FDP on" Basic LABVIEW COURSE | 2 nd - 4 th -4-11 | MVJCE |
| 20 | Technical seminar on "Fast Fourier Transform Algorithm" | 25 th 4-11 | MVJCE |
| 21 | Two Days Workshop on "Hands on Training on Robotics-Phase I" | 26 th - 6 -11 | MVJCE |

| Sl. No. | Name of the Conference etc. organized | Date & Month | Sponsorer |
|----------------|---|--|-----------------------------|
| 22 | Technical seminar on "Digital Image Water marking" | 4 th -8-11 | MVJCE |
| 23 | Technical seminar on "Digital Image Compression" | 18 th -8- 11 | MVJCE |
| 24 | One Day National level seminar on "Advanced Trends in Robotics & Industry Automation" | 9 th -7-11 | MVJCE |
| 25 | Two Days Workshop on "Hands on Training on Robotics-Phase II" | 13 th & 14 th May 2011 | MVJCE |
| 26 | Technical seminar on "Embedded system design using MSP 430" | 3-Aug-11 | MVJCE |
| 27 | Three days workshop on MSP 430 | 22-24.9.11 | MVJCE |
| 28 | Guest Lecture on "Basics of Radar" | 8-10-11 | MVJCE |
| 29 | Lecture on ADVANCED Power Quality Solutions for a Better India | 27.08.11 | ABB |
| 30 | Technical Seminar on -VLSI Design Flow | 24/09/11 | Intel Blore |
| 31 | Non conventional & renewable energy source | 4/11/2011 | MVJCE |
| 32 | Computational Fluid Dynamics | 6/5/2011 | MVJCE |
| 33 | Seminar on Matlab Techniques on Image Processing | 23.08.11 | VED Labs ,Blore |
| 34 | Introduction To Image And Signal Processing Using Labview | 13/08/11 | Electrono Solns |
| 35 | Embedded System Design Using Msp430 | 3/8/2011 | Gill Instruments, Bangalore |
| 36 | Signals & Systems | 9/5/2011 | VLSI |
| 37 | Embedded Systems Design | 26/06/11 | Aminno Soft Tech Blore |
| 38 | Industry Expectations – Management Students: Global Thinking | 17 th 09 11 | MVJCE |
| 39 | Investment Options- Oppurtunities & Challenges | 1 st 10 11 | MVJCE |
| 40 | Six Sigma | 15 th 10 11 | MVJCE |
| 41 | Business Simulation- Enterprise Learning in Simulated Arena | 22 nd 10 11 | MVJCE |
| 42 | AIMA National Management Quiz | 26 th 02 12 | MVJCE |
| 43 | Andriod Applications | 14.05.11 | MVJCE |
| 44 | Gaming & Animation Industry and its Career opportunities in Information Technology | 3.5.11 | MVJCE |
| 45 | Insect Inspired MAV's | 12-11-11 | MVJCE |
| 46 | Air Crash Investigation | 24-02-12 | MVJCE |

| Sl. No. | Title | Author/s | Year of Publication | Name of the Publisher/s |
|----------------|---|---|----------------------------|--|
| 1. | Rapid Prototyping & Tooling | Hari Prasad & DR. K S Badarinarayan | 2013 | Surya Infotainment Pvt.Ltd |
| 2. | Innovations in Management for Organizational Excellence. | DR. K S Badarinarayan DR Noor Firdoos Jahan DR Shagufta Showkat | 2013 | Himalaya Publishing House Pvt Ltd, Mumbai |
| 3. | JEST-M Journal of Engineering Science & Technology Management ISSN 2277-5161 | DR. K S Badarinarayan DR A K Shukla DR N Sarthasarathy | 2013 | BI-Annual Online Scholarly Refereed Research Journal- www.mvjce.edu.in /jest-m.htm |

| Sl. No. | Name of the Conference etc. organized | Date & Month |
|----------------|--|-------------------------|
| 1 | Workshop on Industrial Aerodynamics | 9.10. 2012. |
| 2 | Adobe Photoshop | 3.4.2012 |
| 3 | IITB Workshop | 2.4.2012, 2.5.2012 |
| 4 | Latex | 12.3.2013 |
| 5 | SCILAB | 15.3.2013 |
| 6 | Workshop on SCILAB in Collaboration with IIT Bombay | 23.7.2012 |
| 7 | Hands on Training in the application of MATLAB | 5.10.2012 |
| 8 | Workshop on Skill Development Programme | 6.8.12 to 9.8.12 |
| 9 | Faculty Empowerment Program | 26th to 30th March 2012 |
| 10 | The Great Mind Challenge 2012 workshop part of IBM Academic Initiative Program | 28th Sep 2012 |
| 11 | Workshop on Statistics & Probability for Budding Managers - A Conceptual Wrap | 18.12.2012 |
| 12 | Photoshop for Beginners | 25th & 26th July 2012 |
| 13 | Business Intelligence | 17th Oct 2012 |
| 14 | Skill Enhancement Program a workshop pn MS-Office for Beginners | 19th & 20th Dec 2012 |

SERVICE DETAILS

| S.No | Period | Place | Role |
|------|-------------|--|---|
| 1. | 1988 – 2008 | R.V. College of Engineering, Bangalore | Lecturer/Asst. Professor/ Professor & HOD, IEM Dept. |
| 2. | 2008 – 2011 | BIT Institute of Technology, Hindupur, AP | Principal |
| 3. | 2011 - 2014 | MVJ College of Engineering, Bangalore | Principal |

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