



Murali Krishna, Chemuturi
Chief Consultant
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Achievements -

- ✓ Author of the book “**Software Estimation, Best Practices, Tools & Techniques – A complete guide for Software Project Estimators**”, Published by J.Ross Publishing of USA (www.jrosspub.com) July 2009 – ISBN # 978-1-60427-024-2
- ✓ Book “**Mastering Software Quality Assurance, Best Practices, Tools & Techniques for Software Developers**”, Published by J.Ross Publishing of USA (www.jrosspub.com) ISBN # 978-1-60427-032-7
- ✓ Book “**Mastering Software Project Management, Best Practices, Tools & Techniques**”, Published by J.Ross Publishing of USA (www.jrosspub.com) ISBN # 978-1-60427-034-1
- ✓ Interviewed thrice by the President of IFPUG (International Function Point Users Group) of USA on software estimation. These interviews were pod cast on his web site www.spamcast.net # 29,32 and 67
- ✓ Developed a metric **CCSR** (Composite Customer Satisfaction Rating) for measuring customer satisfaction using completely internal data for use in software development organizations
- ✓ Developed a metric **CPQR** (Composite Product Quality Rating) for measuring the quality of a software developed in an outsourced scenario
- ✓ Developed a software size measure **SSU** (Software Size Units) for measuring the size of a software product without using the untenable “complexity” factors.
- ✓ Developed a comprehensive methodology for **software test effort estimation**
- ✓ Developed software estimation tools EstimatorPal, FPAPal, and UCPPal, SSUPal
- ✓ Developed test effort estimation tool TPPal, TestingPal and TestestPal
- ✓ Developed comprehensive project management tool PMPal
- ✓ Developed a comprehensive material requirements planning software MRPPal.

SUMMARY

Over forty Years of total experience out of which about twenty three years in information technology having worked in **TATA CONSULTANCY SERVICES** for Five and half years and in **ELECTRONICS COROPORATION OF INDIA LIMITED** for Nineteen and half years. I had also worked in **SATYAM COMPUTER SERVICES LTD.**, **METAMOR GLOBAL SOLUTIONS LTD.** and

Vistaar eBusinesses Pvt Ltd. Designation at the time of final employment was that of Vice President Software Development at Vistaar e-Businesses Pvt. Ltd. Mumbai.

EDUCATION

- **MBA**, Osmania University - 1987
- Graduation in **INDUSTRIAL ENGINEERING**, Indian Institute of Industrial Engineering - 1983
- **PG Diploma** in Computer Methods & Programming from Computer Society of India – 1982
- **Diploma** in Electrical Engineering – 1969

Professional Memberships:

- **Fellow**, Indian Institution of Industrial Engineering
- Senior Member **Computer Society of India**
- Member All India Management Association
- Senior Member **IEEE - USA**

Industrial Experience – overall 15 years

Worked in Electronics Corporation of India Limited from 1970 till 1989 – had put in experience in areas such as Production Planning and Control, Detailed Design, Production Engineering, Industrial Engineering, Organization and Methods, Productivity Improvement etc.

IT Experience - Since 1985

Worked in

- Electronics Corporation of India Limited Jul 1970 till Nov1989
- Tata Consultancy Services Dec 1989 till May 1995
- Metamor Global Solutions Limited May 1998 till Nov 1999
- Satyam Computer Services Limited Dec 1999 till Nov 2000
- Vistaar eBusinesses Pvt. Limited Nov 2000 till Oct 2001 – Last employment as Vice President – Development
- Chemuturi Consultants since Oct 2001 till date – own – IT consulting and software product development

Managed and executed the following types of assignments

- Software programming

- Software Project Management (Main Frame projects, Client/Server projects, Web projects, Full Life Cycle projects, Maintenance projects – for clients in India and abroad) including software estimation
- Product development – EstimatorPal, FPAPal and UCPPal from Chemuturi Consultants
- IT related Training
- Data Processing
- Quality, ISO and SEI-CMM process development and roll out
- Proposal Making, Client Presentations and Marketing Support

Consulting

Handled the following clients from Chemuturi Consultants Since Oct 2001 –

- IIC Systems Pvt. Limited
- Frontier Information Technology Limited
- Applabs Technologies
- SDG Software Technologies Limited
- Siva Consulting Limited
- Plutus IT Solutions Pvt. Limited
- Evergent Technologies Pvt. Ltd. - USA
- Vitallink Corp - Pune
- Vasavi College of Engineering
- Ushacomm India Pvt. Ltd.
- Taj Software Inc – USA
- TUV Rheinland, India

In-company Training Programs

Conducted Training programs in Software Project Management, Software Estimation and Software Testing for a few companies

Academic Experience

1. Counselor to IGNOU (Indira Gandhi National Open University) for their MBA program for five years and examiner for management subjects – Operations Management, Information & Control Systems
2. Faculty for computer subjects to Andhra Pradesh Productivity Council for six years, COBOL, Fortran, BASIC, Operating Systems, Database Management Systems, Computer Architecture
3. Visiting faculty for Institute for Public Enterprise (IPE), Engineering Staff College of India (ESCI), Institute for Technology and Management (ITM), Institution of Engineers (AP Centre) on IT topics
4. Conducted a number of public and institutional training programs on IT topics
5. Examination Superintendent for Indian Institution of Industrial Engineering (IIIE) at Hyderabad center for 7 years

6. Guided a number of projects for computers, IE and management disciplines at PG Level
7. Has been an external examiner for IT and management subjects for a few significant institutions
8. Published many papers in reputed journals
9. Had overall 36 years of work experience in manufacturing and software development

PUBLICATIONS :

Books –

Book “**Software Estimation, Best Practices, Tools & Techniques – A complete guide for Software Project Estimators**”, Published by J.Ross Publishing of USA (www.jrosspub.com) ISBN # 978-1-60427-024-2

Book “**Mastering Software Quality Assurance, Best Practices, Tools & Techniques for Software Developers**”, Published by J.Ross Publishing of USA (www.jrosspub.com) ISBN # 978-1-60427-032-7

Book “**Mastering Software Project Management, Best Practices, Tools & Techniques**”, Published by J.Ross Publishing of USA (www.jrosspub.com) ISBN # 978-1-60427-034-1

Papers

The following papers of mine were published in various journals in reverse chronological order:

1. **Chapter “Software Estimation – A Practitioner’s Perspective”**, in the book “**Software Quality: The Road Ahead**”, published by Tata McGraw Hill Education Private Limited, India, 2011, ISBN # 978-0-07-107816-9
2. **Paper “Measure out Costs”** published in the November 2010 issue of Industrial Engineer, journal of IIE, USA
3. **Chapter “Impact of COPQ on Capacity Utilization”**, in the book “**Cost of Poor Quality: Concept and Application**”, published by ICFAI University Press, India, 2008
4. **Pod Cast** by Thomas M. Cagley Jr. (David Consulting Group – USA) – on Software Estimation released on 17th March 2008 on <http://www.spamcast.libsyn.net>
5. **How to Measure Customer Satisfaction** - Technology Evaluation Centers, April 30, 2008
6. **Software Selection for Organizations: Are We Becoming Too Web-biased?** - Technology Evaluation Centers, November 2, 2007
7. **Productivity for Software Estimators** – Technology Evaluation Centers, May 30 2007

8. **Criteria for Selecting a Software Estimation Tool** – Technology Evaluation Centers, April 25, 2007
9. **Test Effort Estimation** – published in the CSI Journal February 2007
10. **Paradoxes of Software Estimation** – presented in the SEC 2006 organized by QAI - Asia at Bangalore in August 2006 and published in the TEC News Letter (from Canada) on 18th August 2006
11. **Perspectives for Knowledge Management** – presented in the seminar on Knowledge Management conducted at Hyderabad by Institute for Public Enterprises, March 2003
12. **Excellence through Creativity** - an Imperative for Industrial Engineers - Presented in the 24th National Convention of Indian Institution of Industrial Engineering, October, 1993.
13. **Are We Getting the Right Participants for our Training Programs ?** - Published in the Journal of Indian Society for Training and Development, October, 1993.
14. **How to select your computer** - Published in the Electronic Products Finder, December, 1991.
15. **An Overview of CAD** - Published in the Electronic Products Finder, August, 1991.
16. **Computerization of GFCL Operations** - Published in the Chemical Engineering Weekly, 1988.
17. **Computerized Project Management** - Published in the Indian Engineering Journal, February, 1988.
18. **Productivity Improvement in Time Estimation using Microcomputers** presented in the seminar in Integrating Technology & People - challenges ahead, conducted by Indian Institution of Industrial Engineering, Hyderabad chapter, 1985.
19. **Productivity Improvement in Engineering Drawing Office Using CAD** - presented in the seminar on Computer Aided Production Engineering organized by Jadavpur University – 1987