

DEEPAK CHOPRA

Deepak is a High Maturity Process Expert and Consultant at QAI. He is also a QAI Authorized High Maturity Trainer and has been involved in driving and implementing organization wide Quality and Process Improvement initiatives worldwide.

Experience

- Over 9 years of IT industry experience
- Has consulted several organizations through their process improvement journey based on CMMI and non-model based approaches across continents.
- Is a Six Sigma Green Belt and has been successfully involved in development/assessment and validation of Process Performance Models (PPMs), Process Performance Baselines (PPBs), Quality Management Systems, Process Asset Libraries.
- Is involved in performing measurement framework analysis for organizations around the globe aiming at CMMI High Maturity Levels (Level 4 & 5)
- Has been conducting several in-house training programs and public workshops on various Quality Assurance, Quality Control, Project Management & Engineering, Metrics & Data Analysis and CMMI High Maturity practices related topics across various regions.
- Has been a key team player in the making of Certified Quantitative Software Process Engineer (COSPE) and Certified Software Testing Manager (CSTM) e-learning based certification exams.
- Has worked as a SEPG / Sr. SQA at DELL International Services and SEPG Lead /SQA at Secure Meters Ltd.

Consulting Experience

- Consulting and support on process improvement based on CMMI model provided to over 13 clients spanning over countries like USA, Philippines, Singapore, Malaysia, Egypt, Taiwan and India. This includes working for high proposition projects with Accenture, Cadbury Schweppes, Prudential and many more.
- One of key members of the QAI high maturity team supporting Accenture Manila's CMMI@ Level 5 journey and successful appraisal at Level 5.
- Conducted numerous gap analysis and action planning for clients to take on the process improvement journey. Thereafter provided consulting to align their processes with requirements of CMMI model. Contributed in hands on process definition, implementation and setup of functions like PEG, PPQA and OT

Scope of consulting done for some of the major accounts handled.

- a. Conduct Gap Analysis
 - b. Perform action planning for process improvement journey
 - c. Provide guidance on and/or perform process definition based on CMMI and ISO 9000, ITIL, RUP etc. in software, non-software and systems engineering environments
 - d. Review process documents for adequacy check
 - e. Implementation support, provide guidance on "how to" implement. Resolve issues in process implementation
 - f. Conduct hands on project facilitations for process implementation and usage
 - g. Perform spot checks to verify process implementation and compliance against defined processes
 - h. Contribute in integration on tools for process automation
- Consulting/specialized support on CMMI v1.2 high maturity practices implementation including development and validation of process performance models & process performance baselines using techniques like **regression analysis, hypothesis testing,**

control charts, monte carlo simulation etc. for clients in India and Overseas

- Setting up and verifying measurement systems using techniques like GQIM, Balance Score Card, Goal Decomposition Technique etc. along with statistical techniques like Hypothesis Testing, Correlation etc.
- Conducted several public workshops and in-house training programs on Measurement & Metrics, CMMI High Maturity with Statistics, Overview to CMMI 1.1/1.2, Essentials of Project Management, Software Quality Assurance, Internal Software Auditor, Configuration Management, Quantitative Process Management, Peer Review, Requirements Management etc for clients in India and Overseas
- Development of Certified Quantitative Software Process Engineer (CQSPE) and Certified Software Testing Manager (CSTM) e-learning based certification exams

Training Expertise

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|----------------------------------------------|--------------------------------------|
| 1. Essentials of Software Project Management | 8. Software Quality Assurance |
| 2. Measurement & Metrics | 9. Software Testing |
| 3. Software Configuration Management | 10. Requirements Management |
| 4. CMMI® High Maturity & Statistics | 11. OCMMI |
| 5. Peer Reviews | 12. CSQA and CSTE Preparatory Course |
| 6. Internal Auditor | 13. Quantitative Process Management |
| 7. Software Metrics | |

Sample of Key Client engagements handled

No.	Name	CMMI Model Version 1.1/1.2
1	Cadbury Schweppes – USA/UK/Australia	V 1.2
2	Accenture – Philippines	V 1.2
3	Synechron - India	V 1.2
4	Link Development – Cairo	V 1.2
5	MiTAC – Taiwan	V 1.2
6	Crimson Logic – Singapore	V 1.2
7	BCS Information Systems - Singapore	V 1.2
8	SAIC – India	V 1.2
9	Prudential Services – Malaysia	V 1.1
10	TATA Power SED – India	V 1.1
11	Custommedia Sdn – Malaysia	V 1.1
12	FPT Software Solutions – Vietnam	V 1.1
13	Geometrics – India	N.A.
14	Sunguard – India	N.A.
15	STEAG – India	N.A.
16	AVL – India	N.A.
17	COLT – India	N.A.

And many more..

Specialized associations also include organizations like Mastek – India, Indian Management Institute (IMI) – India, IILM – India.

Education /
Publications/ Other
Achievements

- Masters of Computers Management, Pune University
- Is a Six Sigma Green Belt
- Is a Certified Software Quality Analyst
- Is a members of ASQ
- Authored an article on "CMMi – Benefits Overview" for a global magazine
- Is a member and an active contributor to several quality & process improvement forums (groups) in leading websites like yahoogroups, linkedin etc.