



ANNOUNCING COSMIC CERTIFICATION IN INDIA\*

## MEDALLIST



## ONE DAY TRAINING ON COSMIC ESTIMATION TECHNIQUE

### What is COSMIC FFP?

COSMIC is a functional size measurement method which generalizes the sizing and measurement process to address business applications, as well as real-time and hybrid software projects.

ISO has announced COSMIC FFP as International Standard- ISO 19761.

COSMIC FFP has been recognized by ISBSG – International Software Benchmarking and Standards Group for software sizing and effort estimation bench marking.

It overcomes the limitation of Function Point Method

COSMIC FFP is the result of efforts of Common Software Measurements International Consortium consisting of experts from around the world with hands-on estimation experience for over 2- 3 decades.

### Why COSMIC FFP?

- The COSMIC-FFP method can be applied to measure the functional size of real-time, multi-layered software such as used in telecom, process control, operating systems as well as business application software all on the same measurement scale.
- COSMIC can be used to measure complex applications built using multi layer/ multi-tier architecture.
- COSMIC-FFP's underlying concepts are compatible with modern methods of determining software requirements and constructing software, so the method is easier to learn and to apply, and automatic sizing should become possible with the right tools.
- Measuring the size of functional user requirements with COSMIC-FFP can help the requirements determination process. Requirements that are measurable are likely to be clear, unambiguous and testable
- The size scale is not subject to arbitrary limits on the size of any one component, so the size scale is more realistic and plausible
- The method's underlying concepts have been carefully defined to eliminate difficulties of interpretation from which earlier FSM Methods suffer.
- The method is also more 'robust' in that measured sizes are generally less sensitive to mistakes of analysis than is typically the case with 1st Generation FSM Methods.
- COSMIC FFP has won Medallist certificate awarded by BCS(British Computer Society) under IT Professional awards 2006.

### Testimonials

- Good Practical experience of counting as per COSMIC FFP rules – **IBM Global Services**
- The exercises done and the simplicity of the estimation mechanism (COSMIC-FFP) compared to existing methods – **American Megatrends Inc**
- Learnt how to use COSMIC-FFP size estimation technique in new or maintenance projects – **Churchill India**
- I got a clear idea about Cosmic Model to apply in our software – **Global Realty Outsourcing**



## What types of software sizing has COSMIC-FFP been used for?

- Business application software in banking, insurance, utilities
- Infrastructure software supporting business application software
- Avionics software of a major fighter aircraft system and of other Defence systems
- Software of telecoms switching systems, mobile phone SMS messaging
- The applications of mobile phone handsets, in order to compare the functionality of competitive product offerings
- Safety-critical software for a US Regulatory Commission

### About CCSQ

Competency Center – Software Quality (CCSQ), is an excellence center on Software Quality. It is an initiative of [amitysoft](#), a leading service provider in Software Quality in India. CCSQ offers Public, Corporate and Retail training programs. Over the past 6 years, CCSQ has trained many companies in the area of COSMIC FFP Estimation. CCSQ has an international board of advisors that includes Inventors & leading academicians.

### Workshop Contents

#### Introduction

COSMIC FFP  
Background  
Limitations of existing methods

#### COSMIC Model

COSMIC  
Measurement Process  
Mapping Phase  
Measurement Phase  
Case Study

#### Estimating Efforts

Industry Data / Bench Marks

### Take Aways

- Training materials
- White papers
- Case studies

### Profile of the Speaker



**Jayakumar** is a member of International Advisory Council of COSMIC (Common Software Measurements International Consortium). He has served as a resource person for UNESCAP, an United Nations agency for promotion of International Management Standards for ICT Development. He is the Past President of Software Process Improvement Network (SPIN), Chennai, a network of Software process professionals.

Jayakumar has 25 years of experience in the areas of software quality, software testing, information security, software development, management and R & D in the products & technology. He has been associated with organizations such as Tata Institute of Fundamental Research, Best & Crompton and Ramco Systems. Currently heading AmitySoft Technologies, an organization focused on Software Quality and Testing.

Jayakumar possesses Post Graduate Degrees in Computer Science and Physics. He holds certificate in 'Software Technology' from National Center for Software Technology (NCST), TIFR, Bombay apart from Post Graduate Diploma in Computers from Board of Technical Examinations, Bombay. He also holds Diploma in Information Technology & Law Management from Government of India. He is a Lead Assessor trained for Information Security Management System (ISO 17799/ BS7799) from KPMG, UK He is a Certified Quality Analyst (CQA) from Quality Assurance Institute, USA, Lead Assessor for ISO9001 TickIT and SPICE (ISO 15504).

Jayakumar conducts workshops/ training programmes on various topics in the areas of Software Estimations, Software Engineering and Information Security. He has presented papers in international conferences and speaks in various forums.

### When & Where?

Date	Place
14 March 2007	Bangalore
16 March 2007	Mumbai
19 March 2007	Kolkotta
21 March 2007	New Delhi
23 March 2007	Chennai

#### Time:

**Registration 9:00am to 9:30am**  
**Training 9:30am to 5:00pm**

## Fee

- Rs.6,500 per participant
- Rs.18,000 for 3
- Rs.28,000 for a group of 5 from the same organization
- 5% less for Early Birds (*15 days advance payments*)
- 5% for self-enrollments.

## Registration Policies

Payments (*non refundable but transferable to colleagues*) in favor of **"AmitySoft A/c Competency Center – Software Quality"**

Non-Chennai payments – At par Cheque/Cash/DD/pay orders only.

Confirmation of registrations will be subject to timely receipt of payments. (First come, First serve basis)

Filled in forms / payments may be submitted / emailed to:

Ms. Sindhu Rajendran  
Competency Center Software Quality (CCSQ),  
New #8, Old #23, IInd Floor, Dhandapani Street,  
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***\*Become a first mover - COSMIC Certification in India, April - June 2007***