



## Software Project Estimation Using the Function Point WORKBENCH™

### ⊗ Course Type and Duration

Workshop – Half Day

### ⊗ Overview

The Function Point Analysis technique is used to assess the size of a software project, expressed in function points. The assessed project size can then be extended to estimates of project effort and cost through the use of appropriate project delivery rates, expressed using metrics such as “*Function Points per Month*” or “*Dollars per Function Point*”.

CHARISMATEK Software Metrics’ Function Point WORKBENCH™ is the world’s leading software tool supporting the IFPUG Function Point Analysis for sizing, analysis and reporting of software projects and applications.

The WORKBENCH incorporates a range of mechanisms for extending a project’s function point size into estimates of effort and cost. In addition, a project’s function point size details assessed using the WORKBENCH can be imported into the world’s leading project estimation tools.

This half day workshop provides a complete demonstration of the WORKBENCH’s project estimation functions and facilities.

### ⊗ Workshop Objectives

At the completion of the workshop, participants will be able to utilise the Function Point WORKBENCH™ to:

- Define and report upon Count Views to determine the function point size of subsets of a project’s delivered functionality.
- Extend a project’s function point size to estimates of effort and cost using both single and multiple project delivery rates and report these estimates.
- Devise typical project delivery rates for different types of software delivery – using the Productivity Rate Calculator.
- Export function point size details to Q/P Management Group’s SMR<sup>®</sup> and Galorath’s SEER-SEM estimation tools.

### ⊗ Intended Audience

Function Point Analysts, Project Managers, Estimators and any other IT professionals charged with utilising Function Point Analysis for project estimating.

### ⊗ Prerequisite Knowledge

Participants will have an effective knowledge of the IFPUG Functional Size Measurement Method (*IFPUG Function Point Analysis CPM 4.3*).

Participants will be familiar with the basic operation of the Function Point WORKBENCH™ for sizing software projects.

Please note that this course **does not** teach the IFPUG Function Point Analysis technique – that is assumed knowledge.

### ⊗ Delivery Mode

The workshop is delivered via the Internet as a half-day online session. The session incorporates:

- A systematic and complete presentation of the Function Point WORKBENCH™ functions and facilities supporting software project estimation;
- Exercises to familiarise Function Point WORKBENCH™ users with the software’s estimation functions. Complete exercise solutions are available as Flash audio-visual presentations for viewing off-line;
- Live Function Point WORKBENCH™ demonstrations;
- Course feedback providing clarifications and answers to queries raised by participants;
- A live presenter from CHARISMATEK.

Participants can also download all of the course materials from the CHARISMATEK website.

### ⊗ Content

- **Function Point Analysis and Project Estimation**  
The Role of Function Point Size in Estimation  
Understanding Project Delivery Rates  
Estimating Using a Single Project Delivery Rate  
Estimating Using Multiple Project Delivery Rates
- **Function Point Counts and Count Views**  
Counts versus Count Views  
Defining Count Views  
Sizing Count Views  
Reporting Count Views
- **Quick Estimation Values**  
Extending a Count to Estimates of Effort and Cost  
Using Quick Estimation Values  
Using Quick Estimation Values with a Count View
- **Productivity Sinks and Estimation Reports**  
What is a Productivity Sink?  
Defining Productivity Sinks  
Effort Estimation Report  
Cost Estimation Report  
Using Estimation Reports with a Count View
- **Interfacing to Estimation Tools**  
Productivity Rate Calculator  
Q/P Management Group – Software Measurement, Reporting & Estimating (*SMR<sup>®</sup>*)  
Galorath – SEER<sup>®</sup> for Software (*SEER-SEM*)  
Export to CSV  
Export to XML

### ⊗ Deliverables

- Complete set of course slides;
- Exercise descriptions;
- Exercise solutions (Flash audio-visuals).