

MeterIT-Project

Software Project Measurement Tool

For your local benchmark

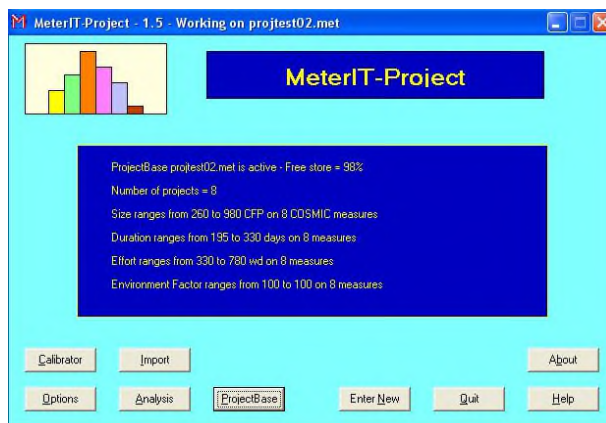
MeterIT-Project is a measurement tool for software development projects. It supports software project and programme managers in establishing a quantitative evaluation of their projects.

MeterIT-Project enables users to:

- Assess and compare their software projects;
- Create a calibration for estimating software projects;
- Constitute a solid understanding of their development capability as a preliminary to new project estimation;
- Create a reference collection of software project measurements, and;
- Obtain a statistical view of a project portfolio.

The knowledge base of the software manager

Software managers are aware that a realistic knowledge of their development capability is a prerequisite to any dependable estimation of their new projects. This development knowledge has always been difficult or impossible to obtain because of the absence of the management link between putting a number of analysts and programmers to project-work and balancing the budget. An understanding of the relationship between the application of the work effort and the characteristics of the delivered software product - for which a budget has been established - is much facilitated by collecting, analysing, and producing quantitative project descriptions.



MeterIT-Project, ready to be used, shortens the decision making process of the software manager.

Pricing per function point

Id	Project Name	Dev. Effort	Cost/Size Unit
0	P1	436 wd	235 EUR/CFP
1	P2	550 wd	275 EUR/CFP
2	P3	720 wd	275 EUR/CFP
3	P4	400 wd	467 EUR/CFP
4	P5	500 wd	438 EUR/CFP
5	P6	380 wd	266 EUR/CFP
6	P7	780 wd	279 EUR/CFP
7	P8	330 wd	444 EUR/CFP

Free you time for managing

Researching how to perform these tasks with paper, pencil and spreadsheets may take considerable time and effort. Hence it becomes very easy for time-pressured software managers to focus on other critical aspects of project management and to neglect the quantitative aspects of software management. This is where MeterIT-Project can provide management with great help because it is directly usable and offers a ready-made embedded metrics guideline within a measurement framework that accepts traditional *and* modern practices.

MeterIT-Project is the software project measurement environment that software managers favour because it offers industry top level measurement guidance which at the same time does not preclude the manager's own perception.



MeterIT-Project Version 1.5 – Specifications

MeterIT-Project provides a measurement environment for software development projects. The main features of MeterIT-Project are listed below

Project Repository: ProjectBase

MeterIT-Project stores and maintains the measures of up to 500 projects in the project repository ProjectBase. Additional repositories can be created. Capture the development stage information of the project from the inception date

Project Deliverable

The evaluation of the product accepts either the measured size or the estimated size. In the case of the estimated size, the uncertainty is accepted. Product sizing may be made in Function Point (IFPUG, MkII FPA s, COSMIC, NESMA) or Lines of Code. Collateral and intermediary product-measures are also collected

Project Schedule and Effort

MeterIT-Project collects project management, and main phased-efforts in workdays. Option to collect either total project effort only or phased-effort. Also collected, project start date, end date, and calendar duration in days

Entering Measures - Measures can be entered manually or by importing an ASCII measurement file

Project Staffing

A facility exists to evaluate the average availability rate of the team members. Three staffing modes are available: Standard, Crashing, and Custom. This enables the comparison of projects at equivalency of availability rate.

Project Analysis - MeterIT-Project produces two categories of evaluations: Project performance factors and project statistical analysis.

Project Performance Factors: Project Development Productivity, Team Build-up, Phased Effort Ratios (%), Environment Factor, and Staff Availability.

Project Statistical Analysis:

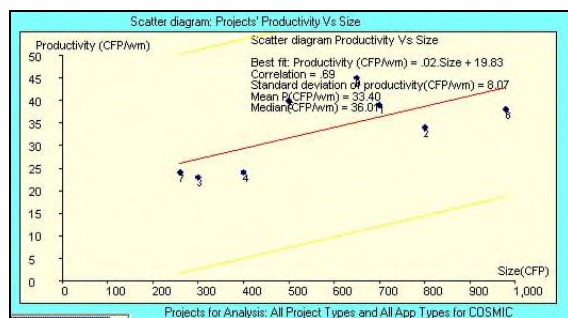
A statistical analysis of the ProjectBase provides a series of histograms and scattergrams showing the distribution of the projects as per their main management parameters. They include the analysis of product size, project duration, development effort, productivity and their relationship.

Project Identification: The identification of the project is through the project name, programme membership, project client, location, project manager.



Environment Evaluation: The Environment Evaluator evaluates the project environment by means of 15 environmental characteristics at three levels of evaluation, thus allowing for more than 3,000 distinct environments. The resulting Environment Factor enables project comparison at comparable environment productivity.

Sizing Standards	
<input type="radio"/>	IFPUG
<input type="radio"/>	MkII FPA
<input checked="" type="radio"/>	COSMIC
<input type="radio"/>	NESMA
<input type="radio"/>	LOC
<input type="radio"/>	Other



Calibrator: The calibration file - The calibrator produces a calibration file for a number of project and application types. This file is accepted by PredictIT, Telmaco's estimation tool. This is an important tool for calibrating your project estimation with the data belonging to your own development facility. The calibration can be obtained for a type of project, a type of application and a selection of applications. Hence a variety of calibrations can be set and choose from at estimation time.

Operational Environment - Pentium IV compatible or higher based personal computer, 32 MB of RAM minimum, 3 MB Hard Disk, a mouse or compatible pointing device is required. Windows XP SP2 or later is recommended.

Availability/Distribution

MeterIT-Project can be downloaded from <http://www.telmaco.com> for a free 30-day evaluation. After this period a licence can be acquired from Telmaco Ltd. MeterIT-Cosmic, MeterIT-Project, and PredictIT are Trademarks of Telmaco Ltd