
INTRODUCTION TO MEASUREMENT AND ANALYSIS (1 DAY)

You cannot manage what you cannot measure. Measurement and analysis are key to understanding what is really going on. Measurement, however, is not as simple as it looks and starting without some basic knowledge can result in failure that is difficult to overcome.

Getting the basics right helps your organization on its way to an effective and efficient measurement and analysis system that is capable of evolving with your needs.

Objectives

This course introduces and presents the basics of Measurement and Analysis in software engineering. This seminar is based on proven techniques for Measurement and Analysis, like GQM and the M&A process area of the CMMI. In addition it provides understanding of measurement and process as concepts.

Practical tips are given to consider when starting your own program. During this 1 day practical seminar the participants will learn the basics and the importance of measurement and analysis.

Benefits

Students completing this course will understand:

- Why to start a Measurement program,
- How to define measurements and metrics,
- How to collect data,
- How to present data,
- How to use some basic tools for analysis of the data.

Audience

- Project and Program Managers, Team Leaders,
- Information Analysts,
- Quality Officers,
- People interested in understanding and setting up measurement programs,
- People interested in improving process or project performance.

Speaker

Paul Siemons, a physicist by training, has over 30 years of experience with software engineering, the last 10 years as process improvement manager and consultant focusing on measurement & analysis and on the related field of estimation. During these years he has acquired experience with metrics on all levels of maturity.

He has gained respect in the measurement and analysis field. He has contributed to international conferences as speaker and organizer. He is collaborating with the University of Eindhoven in the Netherlands on the subject of metrics and has contributed to scientific publications and books.

Content

The training contains the following topics:

- What is Measurement and Analysis,
- Basics,
- Defining Measurement and Analysis Programs,
- GQM,
- Data collection,
- Data presentation,
- Analysis,
- Case studies.

Material

The course material provided includes all presentation materials, notes and additional handouts.

Duration

Price

Reference

1 day

650 €

IMA1.

Related Seminars and Workshops

- Practical Process Improvement Program using CMMI (1 day)
- Leadership skills in Project Management (2 days)
- Organisational skills in Project Management (3 days)
- Introduction to CMMI v1.2 (3 days)