



## Software Project Management Training Programme



# Software Project Management

## Training Programme



For many years, the skills of Project Management have been recognised as highly desirable for managers at all levels in an organisation. Most people today can benefit from the application of these skills to some part of their daily operations.

The increasing complexity of software projects implies the need to understand the principles of Project Management. Taking a structured approach to manage a software project greatly increases its chances of success, and avoids the pitfalls that could result in the project becoming a failure.

To address these needs, the Centre for Software Engineering has developed a Software Project Management Training Programme, consisting of twelve one-day workshops over a six-month period. Through these workshops, attendees will receive an in-depth understanding of the state-of-the-art in Software Project Management.

### Benefits to Attendee

The programme is aimed at those who have responsibility for a software project, or who may have in the future. It will also be of interest to Project Managers who require an in-depth review of the discipline. The programme provides the following benefits:

- Attendees will receive rounded practitioner level training involved in managing a software project.
- The training sessions will include extensive practical exercises to reinforce the theory.
- Each session will be delivered by a trainer with software industry experience in that discipline.

### Benefits to Employer

The employer gains from sending their staff on this programme since:

- Their employees will climb the learning curve faster, becoming fully productive at an earlier stage.
- Their employees will be trained to be aware of best practice in Project Management and be able to apply them appropriately .
- The programme is based on the successful track record of CSE in running advanced practitioner training since 1991.
- The costs involved are considerably less than sending someone on a set of individual specialist courses in an attempt to achieve the same effect.

### Nature of workshops

Each workshop is of one day's duration. The workshops are tailored to ensure that attendees:

- are exposed to best practice concepts
- appreciate the key issues, and
- have a clear understanding of the main specialist areas that comprise current Software Project Management .

In addition, attendees will undertake work and study assignments, to ensure that they have assimilated the material presented, and to provide feedback to the CSE.

## Outline of programme

<b>Workshop 1</b>	<b>Project Planning</b>	Overview of Project Management. Provides a "how to" for producing Project Plans and Schedules. Explains the basics such as Critical Path, Resources etc.
<b>Workshop 2</b>	<b>Project Tracking</b>	A plan may be in place, but how is it monitored? What happens if things go wrong? How do you bring the project back on track?
<b>Workshop 3</b>	<b>Project Frameworks</b>	Overview of Project Frameworks, used to manage software projects, such as PRINCE, Unified Process, and DSDM. Using Quality Plans to manage projects.
<b>Workshop 4</b>	<b>Estimating Part I</b>	Estimating - what, why and how. Estimating methods, such as analogy, decomposition and delphi. Using metrics to manage projects.
<b>Workshop 5</b>	<b>Estimating Part II</b>	In-depth tuition in formal techniques for size estimating, such as Function Point Counting. Tools for estimating costs and timescales for projects.
<b>Workshop 6</b>	<b>Configuration Management</b>	Making sure that you know what has been done in the project, where it is, and what the linkages are. Tools available for Configuration Management.
<b>Workshop 7</b>	<b>Risk Management</b>	Identifying and managing risk on projects. Techniques for classifying, assessing and prioritising risk.
<b>Workshop 8</b>	<b>Contracts and IPR</b>	Legal Issues as they affect project managers. Agreeing contracts with customers or suppliers. Types of IPR. Practical measures for contracts and IPR.
<b>Workshop 9</b>	<b>Software Engineering Approaches Part I</b>	What is Software Engineering? Best Practice approaches to implementing software processes and procedures e.g. CMM, ISO 9001 and SPICE.
<b>Workshop 10</b>	<b>Software Engineering Approaches Part II</b>	Software life-cycles and where they are most appropriate. Software Engineering methods supporting analysis and design of systems e.g. UML.
<b>Workshop 11</b>	<b>The Project Office</b>	Overview of the Project Office. Multi-project management. Approaches to implementing the Project Office in an organisation.
<b>Workshop 12</b>	<b>Team Working and Development</b>	Communication, team dynamics, personality differences, organisation style. Cultural issues in implementing a project or programme in an organisation.

*Programme details may be subject to change in the light of technology developments or participant feedback*



## Application Form

Name(s) .....

Organisation .....

Address .....

Telephone No. .... Fax No. .... E-Mail .....

## Approval of Employer

Name .....

Position .....

Signature ..... Date .....

Telephone No. .... Fax No. .... E-Mail .....

## Fee and Payment

The fee for this programme is € 3150 per attendee. It is also possible to pay in two instalments of € 1650 per attendee (payable at the beginning of the programme, and after three months from commencement). By signing the above approval form the employer is committed to payment of at least the first instalment € 1650). Substitutions can be made up to the start of the programme. If the need arises for substitutions to be made during the programme, these will be dealt with on an individual basis.

*This programme has been approved for grant-aid through Enterprise-Ireland. Contact your local Enterprise Ireland representative to see if you are eligible for grant aid.*

I wish to pay in **1** ☐ **2** ☐ instalments.

***I enclose cheque/purchase order for:***

Amount € ..... / Purchase Order No. ....

**Please complete this form and post or fax to:**

Centre for Software Engineering Ltd., Dublin City University Campus, Dublin 9  
Tel: (01) 700 5750 Fax: (01) 700 5605

Note: a soft copy of this form is available on the CSE website: <http://www.cse.dcu.ie>

**Centre  
for SOFTWARE  
Engineering**