

“ Easy access, flexible scheduling and continuous access to PEPIT experts at the European Software Institute (ESI)

“ A new method of training you and your team in the software engineering discipline developed by Watts Humphrey

“ A cost saving approach to improving the estimation, planning and tracking skills of individual software development engineers leading to quality driven software products



PEPIT

On project planning and tracking towards quality software products

Professional Engineering Process Improvement Training

Available in English and Spanish

Training on the Internet with continuous support for software engineers to improve their own skills through a process centred approach in the areas of estimating, planning and tracking their work



ESI

European
Software
Institute

ESI's ^{new} Internet Based Training P R O D U C T

The European Software Institute (ESI) is launching a Virtual Training Centre for software professionals in May 2000. The PEPIT course is the first set of training courses ESI will deliver over the Internet to train software professionals in the methods and models most commonly used for Software Process Improvement.

When you register for the PEPIT training, you will receive:

- PEPIT course material on CD-ROM with links to the ESI Virtual Training Centre
- A user manual to guide you while following the training course
- Continuous learning support from a pool of instructors and technical staff to ensure your learning is at your own pace and accessible outside your working hours
- The textbook "A Discipline for Software Engineering" by W.S. Humphrey (available in English only)
- Evaluation of the course assignments by your designated instructor
- On-line access to discussion groups and course colleagues
- On-line access to a web-based library with additional material
- ESI certificate for successful completion of the course



PEPIT

PEPIT training is relevant to practising software engineers, who develop applications and systems across all industrial sectors. Based on a process framework, the training introduces methods and techniques that help to improve the accuracy of estimations, plans and schedules and

hence, increase the predictability of project cycle times. The training uses the Internet as the main medium for interactive communication between the student, the course instructor, subject matter experts and other students following the same course. It covers the content of what is normally a two-week classroom based intensive course. The course can mainly be followed off-line, since the content will be delivered to the student on a CD-ROM.

For successful completion of the course, and to qualify for a certificate, students will have to complete a set of assignments, which will be evaluated by the course instructor. It will be possible to contact the instructor - a subject matter expert - on-line around the clock via e-mail or via chat-channels.

The course participants who complete this training and hand in the assignment work as required, will be certified by ESI and registered in the ESI database of software process specialists.

If you would like to receive more details beyond the information available in this brochure, or to discuss this directly with one of our staff, please contact ESI Training Services on +34 94 420 9519 or training@esi.es.

Why study PEPIT?

Once you have successfully completed the PEPIT series of training, you will find improvements in the following areas within your own software development projects, and within your team if all your staff complete the training:

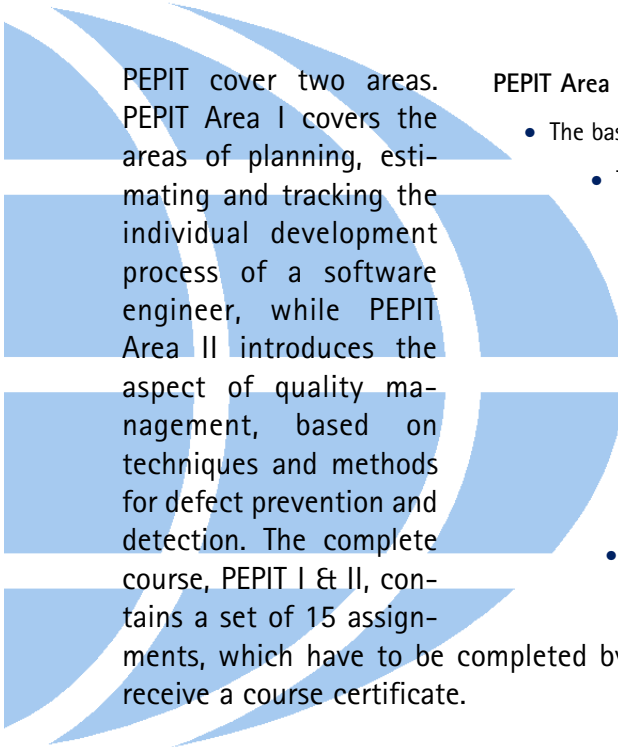
- Improvement in the size and time estimating accuracy
- Lower defect densities
- Dramatic reductions in defects in compile and test
- No loss of productivity

Who is this training for?

Software engineers responsible for design, implementation and testing of software products.

The content of PEPIT

PEPIT is a computer based multimedia distance training course, which will be offered on a continuous basis from January 2000 through the ESI Virtual Training Centre.



PEPIT cover two areas. PEPIT Area I covers the areas of planning, estimating and tracking the individual development process of a software engineer, while PEPIT Area II introduces the aspect of quality management, based on techniques and methods for defect prevention and detection. The complete course, PEPIT I & II, contains a set of 15 assignments, which have to be completed by the participants in order to receive a course certificate.

PEPIT Area I

- The baseline development process
 - Time and defect data gathering
 - Size measurement
 - Size estimation
 - Task & schedule planning

PEPIT Area II

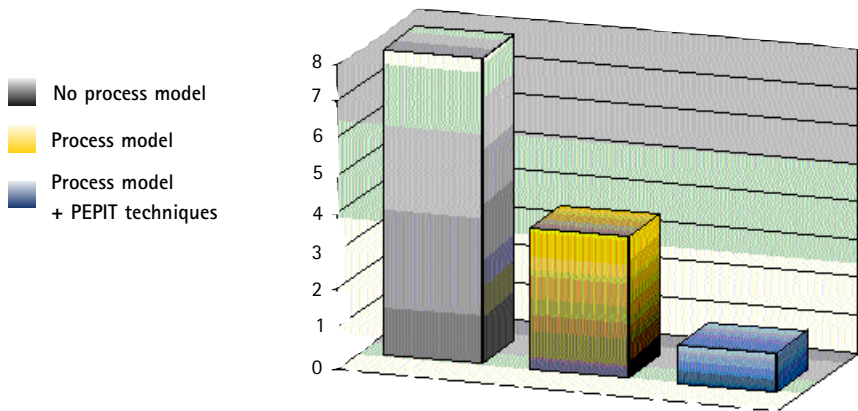
- Code & design reviews
- Defect management
- Cyclic development

What is the impact of using PEPIT practices in your working environment?

- Increase in accuracy of size & effort estimations

Increased schedule predictability

On time & in budget delivery



Months of project delay significantly reduced with PEPIT

How much time is needed to complete PEPIT?

PEPIT training is an intensive training that is normally completed in two full weeks of classroom time, and assignment work is beyond the contact hours. Therefore, to complete the PEPIT series successfully, we suggest 140 hours over a period of maximum six months, scheduled according to your own time availability.

What is the fee for PEPIT?

The fee for PEPIT I is 2200 Euro, including all course materials and instruction.

About ESI

The European Software Institute (ESI) is one of the world's leading independent authorities on **software process improvement**. Established in 1993 and with its headquarters in Spain, ESI is a non-profit making organisation driven by the demands of European industry. It is supported by the European Commission, the Basque Government and through company membership. Our team is drawn from all over the world and from a wide variety of disciplines. Our technical staff are not only experts in their field but also experienced in working with business to ensure the practical dissemination and implementation of technology.

Why do training with ESI?

ESI Training Services facilitate the development, delivery and dissemination of quality Software Process Improvement (SPI) training to software professionals working in a software-intensive environment.

ESI's broad training portfolio allows our customers to progress from an introduction to SPI topics to more advanced specialised courses that deal with the diagnosis and implementation of SPI-based programmes. ESI Training Services caters to the training needs of the software engineer working as a programmer, systems analyst, SPI champion, project leader or manager of a team of engineers.

In close liaison with the European Commission, we are working with new media technology to enable us to deliver training to a distributed

audience throughout the world. With the experience of several years of training behind us, and our strong European focus, we are in an excellent position to launch a **Virtual Training Centre (VTC)** for software professionals, working in collaboration with European companies and universities.

The advantages of Internet - based training

Many of the subject areas within SPI, and beyond to software systems, require intensive and continuous training on the part of the practising software professional. Whatever the role you have in industry, you need to continuously keep up-to-date on the latest models and techniques related to your work, to ensure you continue to deliver quality products on time, and at an acceptable quality level.

The problem with traditional classroom training is that many software professionals, particularly those working in small to medium sized enterprises (SME), find it impossible to leave their work for periods of time to attend training off-site. However, often this is the only option.

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Internet-based training offers another option with many advantages for the working professional:

- Instant access from the workplace to a range of courses related to your working requirements
- The flexibility to schedule and pace your training according to your own personal preference
- Continuous on-line learning support with the course instructor, subject matter experts and the other course participants
- A choice of languages
- A cheaper option to classroom training

*If you would like to have more information on PEPIT,
contact ESI training services at:*

training@esi.es

www.esi.es

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