F20PP Industrial Project: Research Methods and Requirements Engineering

COURSE DETAILS
Course Code: F20PP
Full Course Title: Industrial Project: Research Methods and Requirements Engineering
SCQF Level: 10
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL
Undergraduate: Yes  Postgraduate Taught: No  Postgraduate Research: No

Additional Information:

COURSE AIMS
This is an Industrial Project course that consists of two parts: Work-based Learning (WBL) and an Industrial Project.

The WBL part of the course will deliver work-based blended on-line learning materials, with the aim to develop project research methods and requirement analysis skills.

The Industrial Project part of the course will require the student to implement an industrial project, embedded in and contextualised for the host company, focussing on the practical techniques learned in the WBL part of the course.

LEARNING OUTCOMES – SUBJECT MASTERY

• Understanding of research or development based problem related to a substantial software development topic in an industrial context
• Requirements specification and background research skills for this project
• Ability to plan a significant project of research, investigation or development
• To understand the time and effort involved in planning of an industrially-based project
• Can relate/apply learned knowledge to work based computing projects

LEARNING OUTCOMES – PERSONAL ABILITIES

• Ability to research and undertake critical review and evaluation of data and supplied literature
• Project planning skills
• Written communication skills
• Time management
• Aware of distinctive features of industrial practice
• Can identify, define, and analyse alternative project scenarios
• Take significant responsibility for their work and for a range of resources

• Can communicate effectively with work colleagues on learned issues
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SYLLABUS

- Requirements analysis of a software development project in an industrial context
- Researching current state of the art and industrial practice in this area
- Library resources and their use, Web and online database searching

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