

Academic Project – A 1st step to industry



10-Mar-09

InvenTest



Why an academic Project

- To apply the knowledge we will learn in this course in a practical training. This will make it easy to understand many of the terms and concepts.
- It will be important to mention that you participated in projects – as part of your resume- specially when you will have nothing other than the degree to present for employers.
- To understand team working challenges and strength-nesses. In real companies, you will be working in teams and it is very important to learn how can you coordinate your work with others.
- There is no point of studying a software engineering course without applying the knowledge on an actual course.



Module Aims

- Gain experience of design and investigative work in a chosen specialist area
- Develop problem solving skills
- Develop the ability to manage time and resources effectively
- Further develop the ability to communicate both orally and in writing



Why Project is Important ?

- Largest single piece of work you do
- Do something you are good at or enjoy
- Employers will ask you about it at interview
- Show off your skills and knowledge
- Integrated material in other units



Technology & Engineering Project

- Solve a technical problem
 - Not just building a website
 - Not just building a common electronic circuit
- Build an artefact
- Involve design, build & evaluate
- Create an application



Steps for doing a Project

- Selection of Team Members
- Selection of Innovative Topic
- Decide a cut-off date
- Co Operation
- Co work – Team work
- Regular analysis



All projects solve problems

- Build a tool to achieve a task
- Find the best way of achieving the project
- Take something and make it better
- Contribute to knowledge



Devise a solution to a problem

- Define objectives
- Acquire information
- Establish criteria
- Determine Process
- Plan
- Adopt methodologies
- Analyse requirements against the time frame
- Use tools
- Evaluate solutions
- Report work



Specification and Planning

- What are your aims and objectives?
- What are the constraints on you?
- What is your approach the problem?
- What are the main tasks to carry out?
- How long will each take?
- Where do I start looking for information



Keeping notes as you go

- Things you have read
- Things you have been told
- Advice from your supervisor
- Decisions you took
- Problems you encountered
- How you solved those problems
- Test case and evaluation results
- Ideas for future work
- Anything else that is interesting!
- All raw materials for your report

**ALWAYS KEEP A
LOG BOOK!!!**



Problems with project?

- Discuss with supervisor
- Change focus if necessary and **agree!!**
- Seek specific help from other staff (especially Guide/Moderator)
- I can offer limited general help and help in certain topic areas



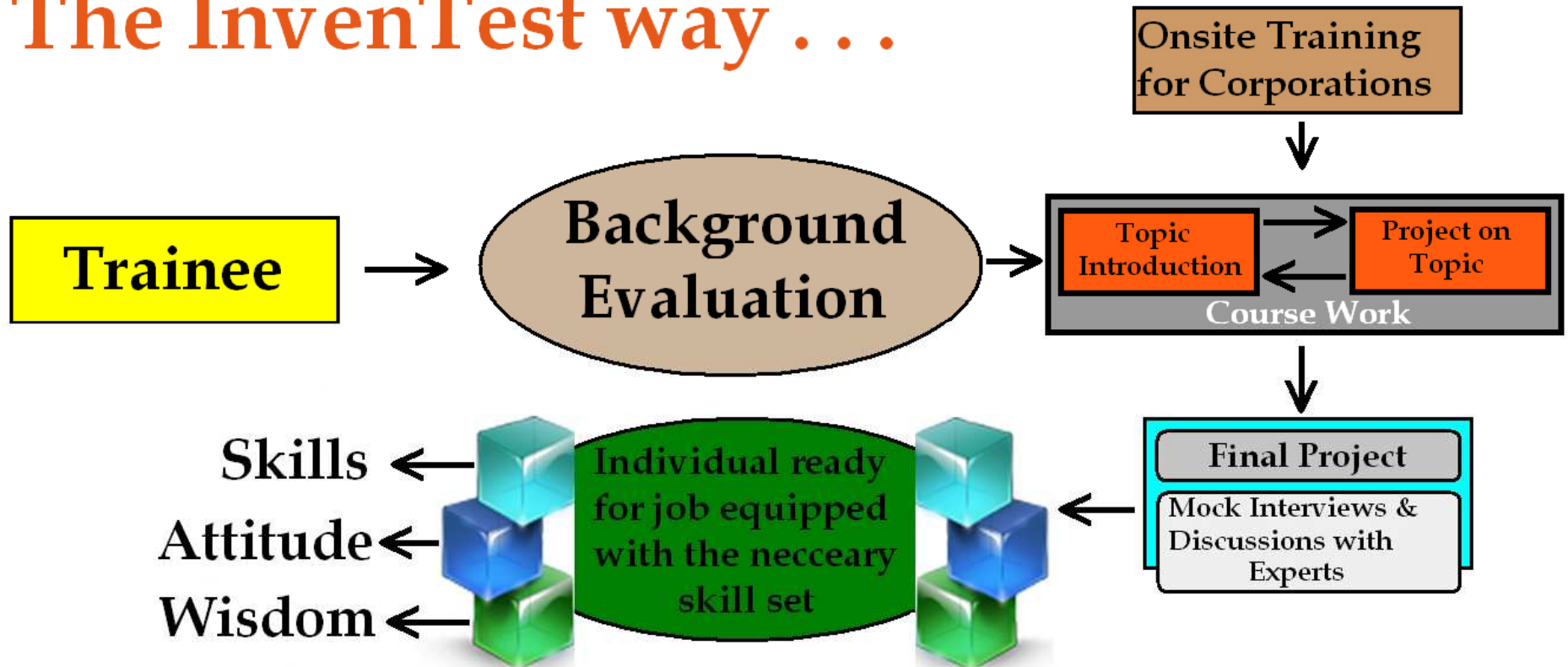
What we offer at InvenTest



- Innovative Inspiration, Ideas
- Guidance from Industry experienced faculty
- A good bunch of reference materials
- Tune/ changing the academic work customs to Industry ethnicity
- Opportunity to be a part of Industry while studying itself.
- Recommendations/Offers



The InvenTest way . . .



Thank You...



Good luck with your project

10-Mar-09

InvenTest