



Australian Council of Deans of ICT



ACDICT Learning and Teaching Academy (ALTA) Fellowship

Supported by the OLT Education Network for Engineering and ICT

2012 Summary Report

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< 80% of employers said **teamwork, oral communication, interpersonal skills, problem solving skills** are “very important” competencies in their selection (recruitment) processes

The AAGE Employer Survey 2011, p. 87

The profession requires **T-shaped** knowledge

- broad knowledge; and
- deep expertise

combined WITH skills and ‘mindset’ qualities

- openness, sharing, presentation skills.

The Royal Academy of Engineering, UK Report (2007). London



*“Not every group is a team, and not every team is effective”
Glenn Parker*

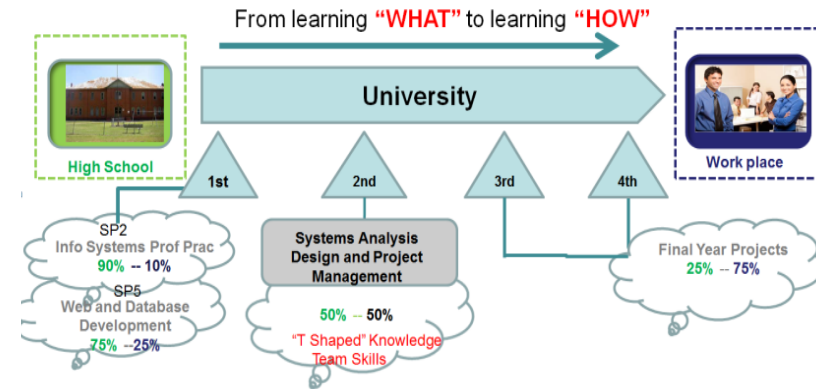
As an ALTA fellow my main objectives are:

- **Helping** to develop industry required technical discipline-specific skills and personal capabilities in ICT and engineering graduates.
- **Working with** discipline leaders, industry and academic associations and community of interests (Col) in both Engineering and ICT disciplines,
- **Using** the ALTC Learning Network strategies to address national and disciplinary priorities to enhance learning and teaching in higher education.
- **Identifying** current and emergent issues, collaborate with other ALTC fellows and develop solutions

- Prepared workshop - with UniSA academics P Kelly & D Collett

Developing teamwork that works!

- Successfully conducted it:
 - 10 April – ALTA forum in Adelaide UniSA;
 - 4 Nov – Melbourne Conventicle, RMIT
 - 4-6 Dec – AAEE conference in Melbourne Swinburne
 - 31 Jan - ACSW ACE conference, Adelaide
- Oct-Nov ICT exemplary Practices
 - Prepared and published a Teambuilding Pack for ARNEIA Web page



- Conferences are not best places to run workshops (low attendance – high competition)
- Better to use specially organised events such as Melbourne conventicle (36) or ALTA forum (14)
 - Comments on team formation
 - Comments on Rank & inclusive communication
 - Comments on effective teamwork

What is different in what we do ?

- Scaffolded approach to building teamwork . Build on research into communication, rank, scholarly approach model for tutors.
- Work with students, guide them in their study journey rather than just *teach them*
- Create safe and fun environment for team foundation and ongoing responsiveness to their comments, queries or difficulties in teambuilding
- Include understanding of how global competence, rank, students' diversity impacts teamwork to assist them to move beyond their usual comfort zones and include others



- Workshops in coventicles
- Continue development of a framework in a blended environment
- Implementation across entire undergraduate degree(from 1st year till final year ICT projects)
- Publications



UniSA

Questions and Discussions



- The Australian Association of Graduate Employers Survey Summary Report, Produced by High Fliers Research, 2011
- Creating systems that work: Principles of Engineering Systems of the 21st century, The Royal Academy of Engineering, 2007
- Trigwell, K. & Yakusawa, K. (1999) Learning in a graduate attribute- based engineering course, HERDSA Annual International Conference, Melbourne, 12-15 July.