Information & Communications Technology (ICT)

Global Enrolment Trends in Tertiary Education

&

Labour Market Trends in Australasia

Tertiary IT Conference 2009





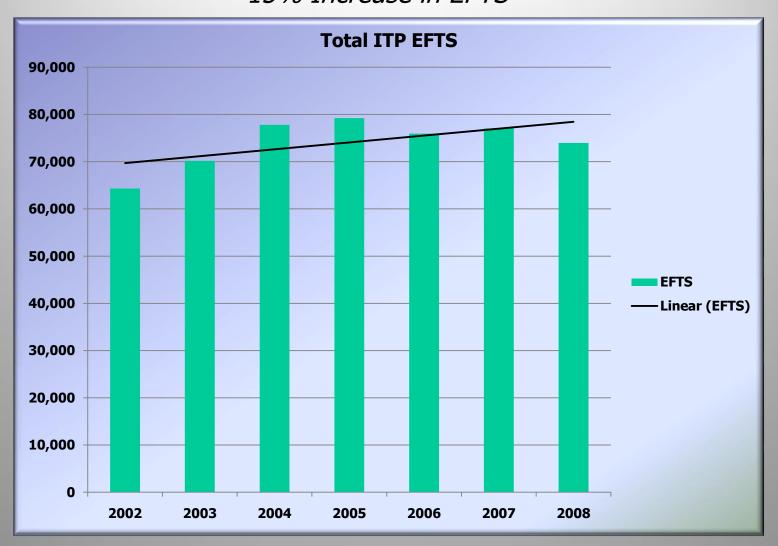
Content:

Trends:

- > Tertiary Enrolments (past & recent)
 - > NZ & global
 - Institutes of Technology & Polytechnics (ITP)
 - > Information & Communications Technology (ICT)
 - Wintec School of IT (Diploma & Bachelor)
 - Gender balance NZ & global perspective
- ICT Job Market (past & recent)
 - > Australasia



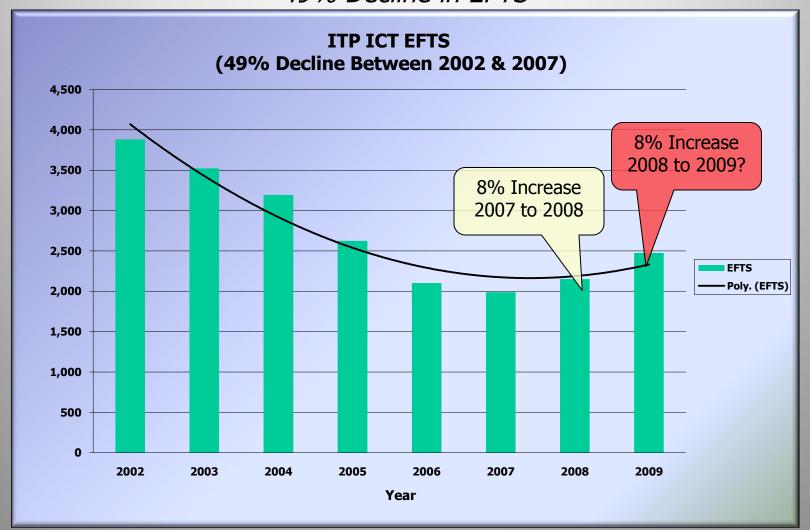
2002 to 2008 15% Increase in EFTS



Education Counts (Accessed May 2009)



2002 to 2007 49% Decline in EFTS

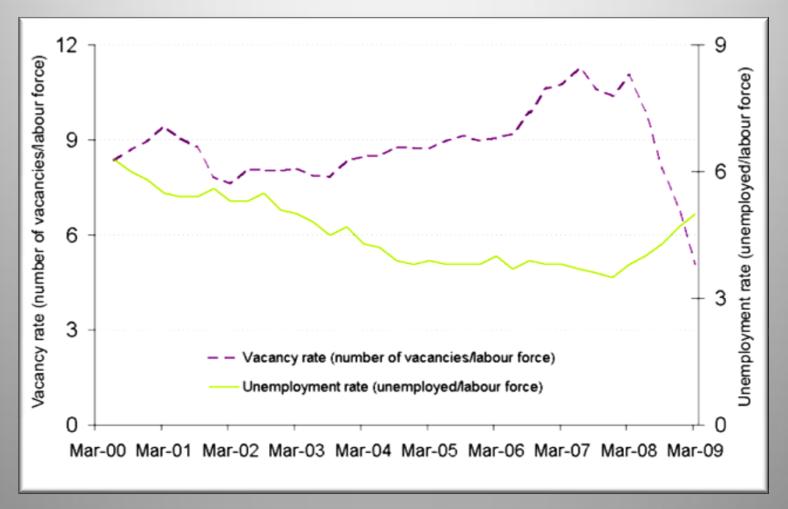


Source: NACCQ Statistics (Accessed March 2009)



NZ Vacancy Rate & Unemployment Rate

March 2000 - March 2009



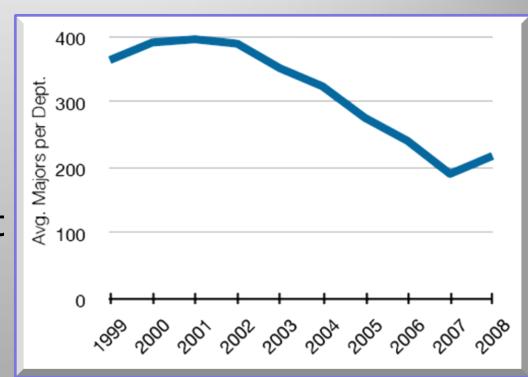


USA - Computer Science Enrolments 8% Increase

NETWORKWORLD

'Computer science major is cool again' Carolyn Duffy Marsan, 03/17/2009

➤ U.S. undergraduate majors rise 8.1%, first increase since 2000

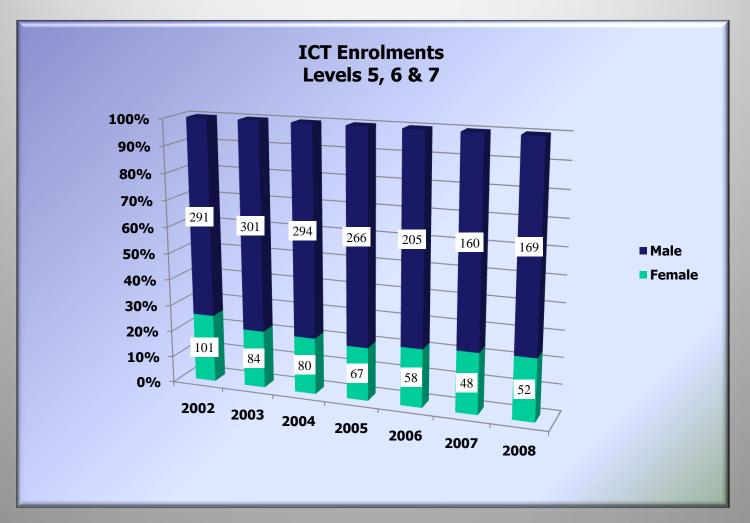


<u>CRA Taulbee Report</u> (Accessed April 2009)



Wintec ICT Enrolments by Gender

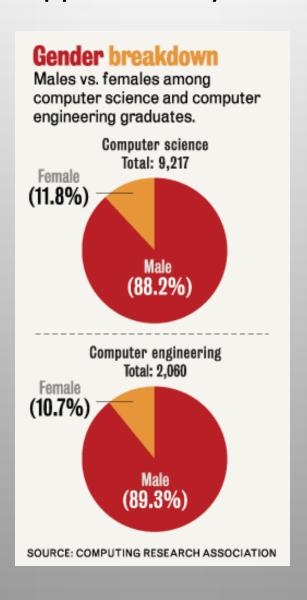
Approximately 80:20



Source: Student MIS (Accessed March 2009)

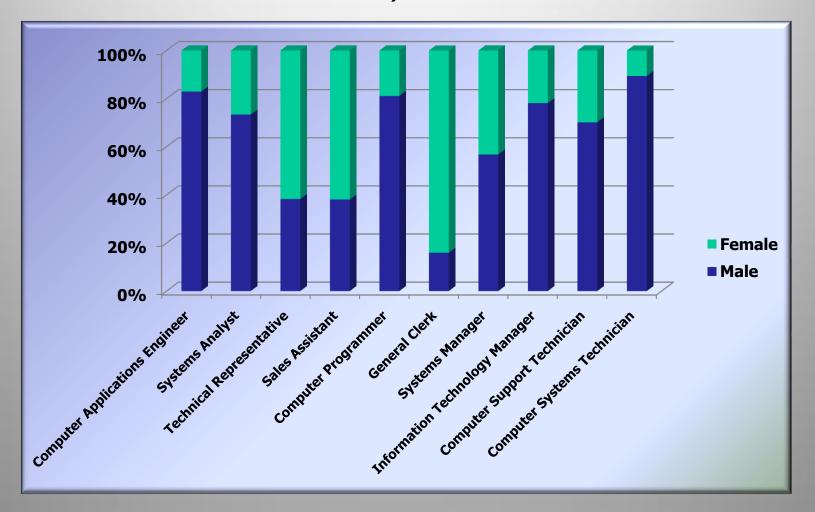


USA Computer Science & Computer Engineering Graduates - Approximately 1 in 10 Female





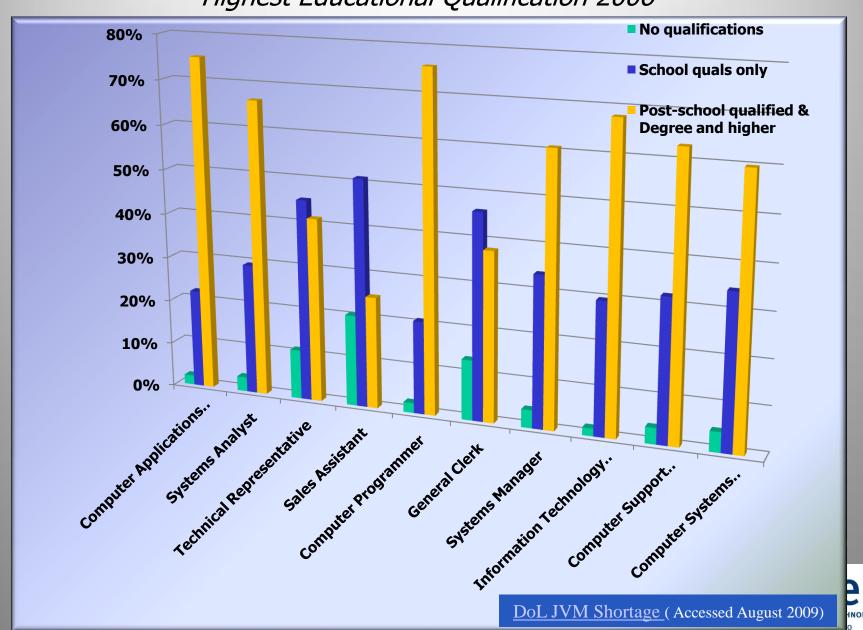
NZ Occupations for Computer Science Distribution by Gender 2006





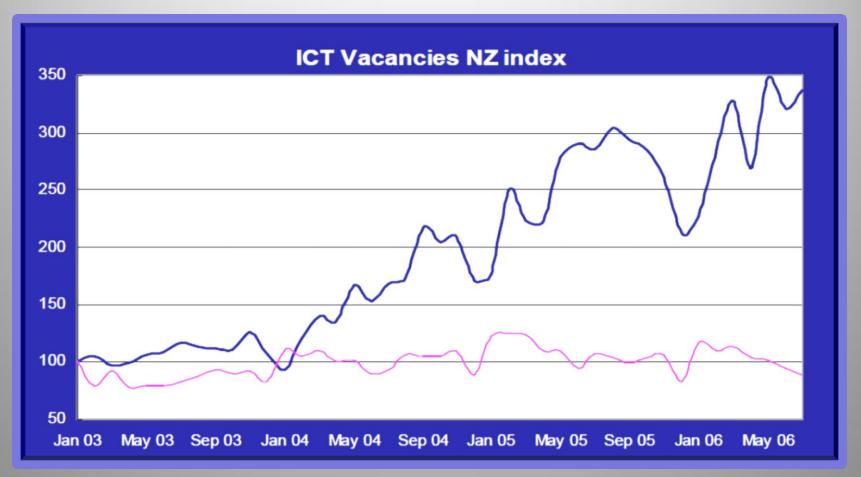
NZ Occupations for Computer Science

Highest Educational Qualification 2006



New Zealand ICT Vacancies Index

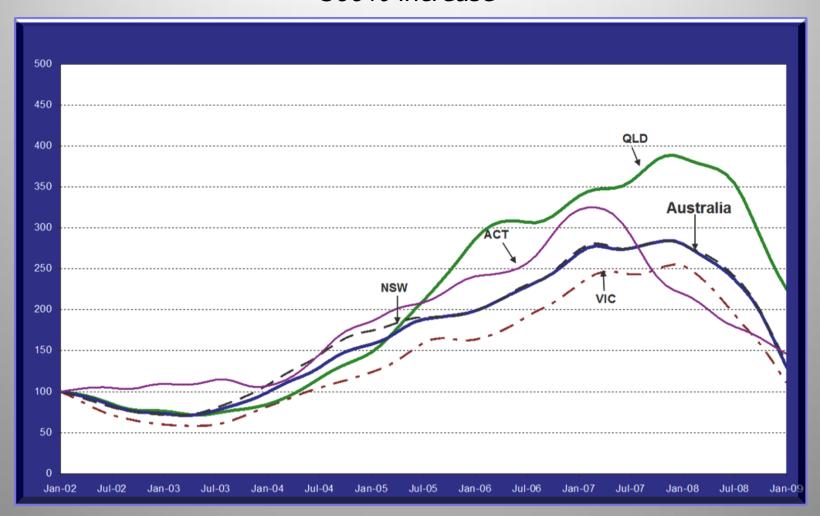
May 2003 to May 2006 300% increase (Total jobs relatively static)





Australia ICT Vacancies Index

Jan 2003 to Jan 2008 300% increase

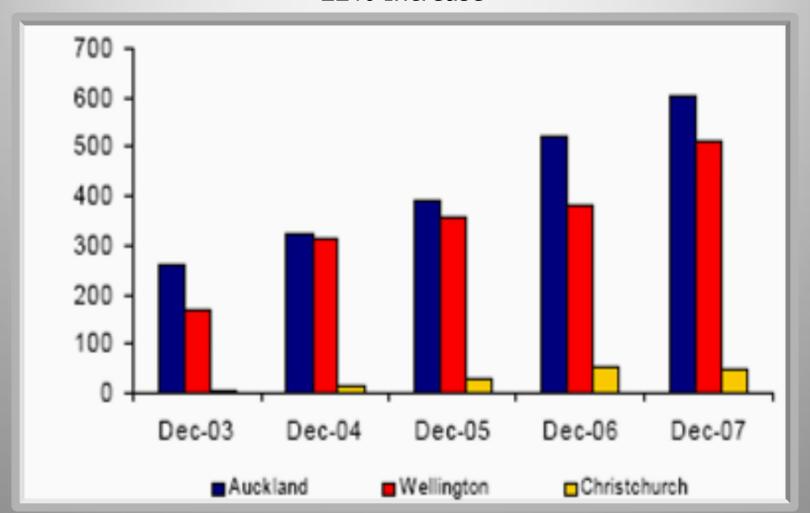


SkillsInfo Australia (Accessed April 2009)



IT Regional Vacancies in NZ

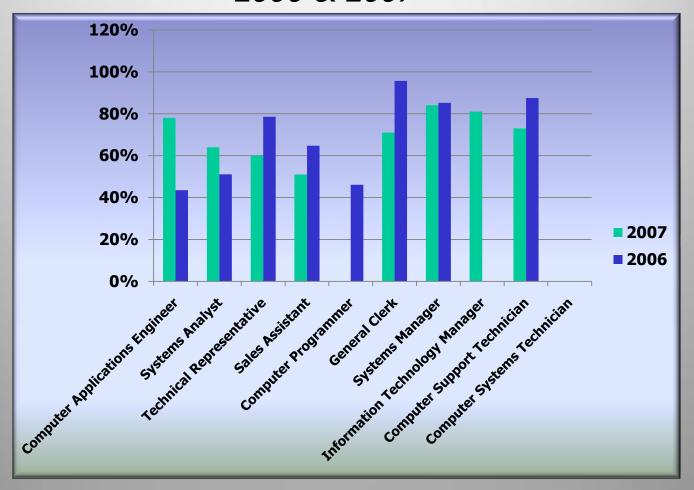
Dec 2006 to Dec 2007 22% Increase



DoL JVM (Accessed May 2008)

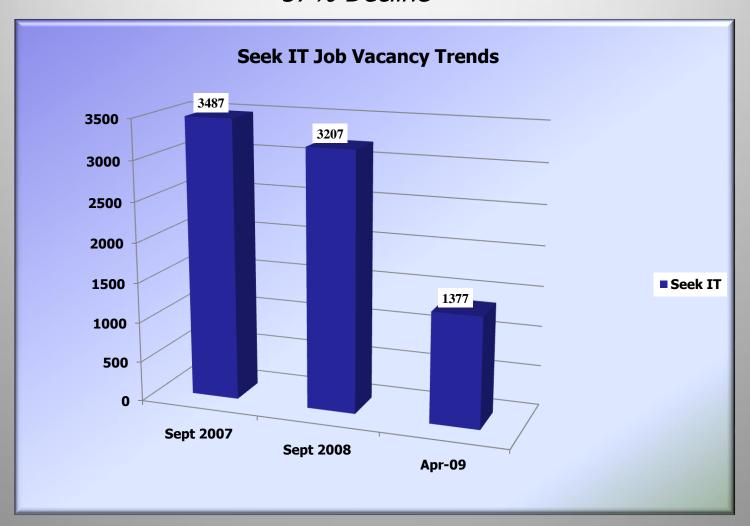


NZ Vacancy Fill Rates 2006 & 2007





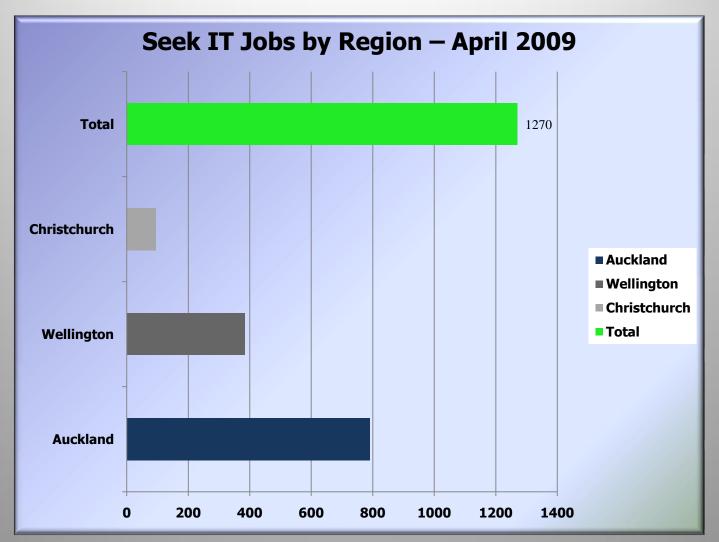
IT Vacancies (NZ) Sept 2008 to April 2009 57% Decline







IT Vacancies - Rest of NZ 107

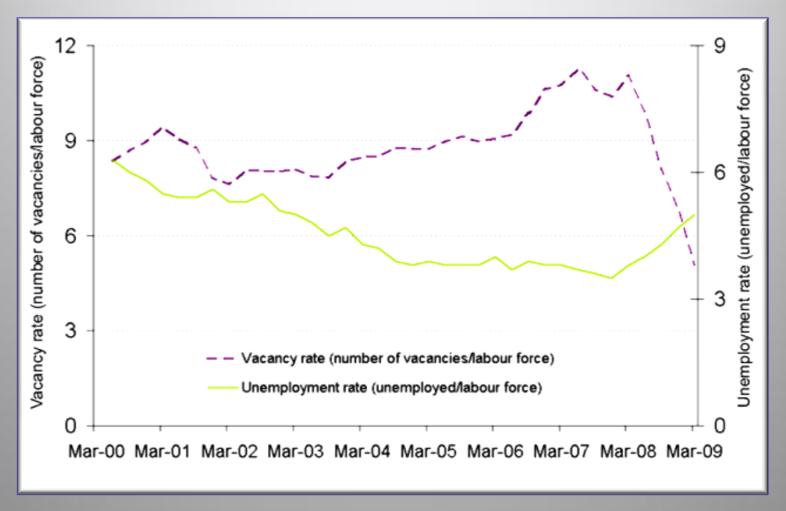


Seek IT (Accessed March 2009)



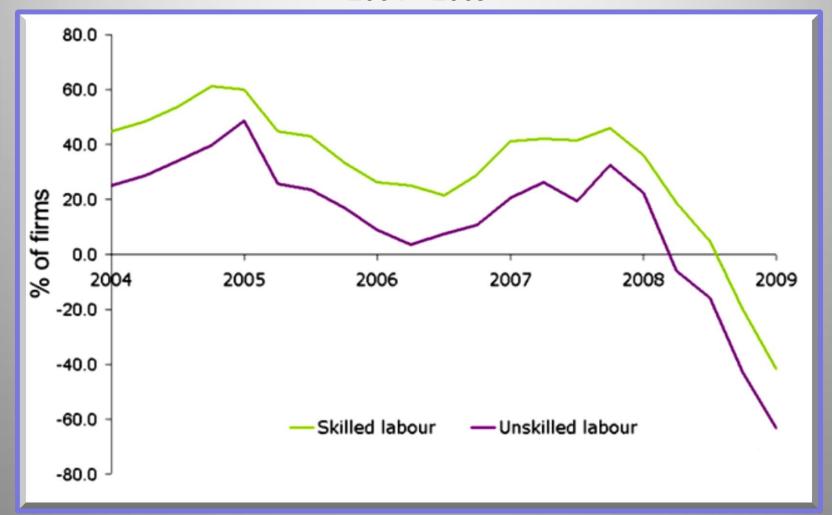
NZ Vacancy Rate & Unemployment Rate

March 2000 - March 2009





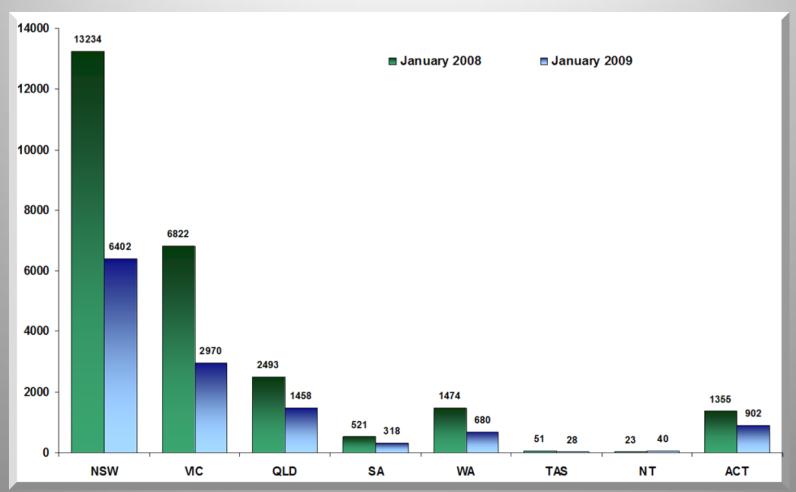
Difficulty of Finding Skilled (& Unskilled) Labour 2004 - 2009





Australia Decline in ICT State Vacancies

NSW - 52% // Victoria - 56%



SkillsInfo Australia (Accessed April 2009)



Australian ICT Labour Market Feb 2009

Note: Click on any line below while running the slide show

ICT LABOUR MARKET INDICATORS

This presentation provides an overview of the demand side of the ICT labour market in Australia

bob.bunnett@deewr.gov.au or julian.sharrad@deewr.gov.au

Labour Supply and Skills Branch

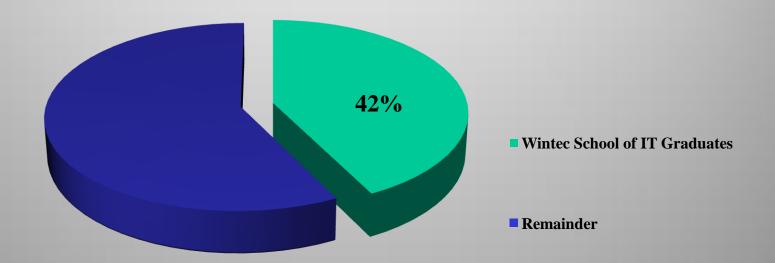
Department of Education, Employment and Workplace Relations

February 2009



Wintec Information Technology Services

Percentage of staff -Wintec School of IT graduates





Global recession to hit investment in IT training market

Bangalore, July 27 Indo-Asian News Service (IANS)

- ➤ Gartner Investment in IT training and software certification is set to decline by 25 percent in the Asia-Pacific region this fiscal as budgets on tech spending fall due to recession.
- At the same time, the pent-up demand for skilled engineers will force the firms in the region to scout for talent. The need for more human capital will encourage corporations to invest judiciously in training in hardware and software.
- The IT training market size in the region is estimated to touch \$13.6 billion in 2013 from \$5.6 billion, despite tremors being felt due to the meltdown.
- Once the economy recovered and IT budgets restored over the next 12-18 months, the study estimated that the industry in the region would require about 1.5 million skilled personnel by 2012.



Conclusions:

- > ICT Enrolment trends;
 - > 50% decline 2002 to 2007
 - Coincided with high employment /low unemployment rates
 - > 8% increase in 2008 (NZ & the USA)
 - > 12% to 15% in 2009 (NZ)?
 - Impacted/influenced by the global economic recession
- Gender imbalance in the field of ICT an ongoing challenge
- Australasian job market;
 - Global recession having a significant impact
 - Pockets of skill shortages still evident
 - Future IT/ICT job potential extremely healthy?



"In times of global recession it is those organisations who have good governance practices in place (IT being a major enabler and expense item in most organisations), and good HR practices in terms of recruiting, developing and retaining IT skills (that) will have major advantages over those who don't."

