



Practically Perfect...

...our experience with experiments

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**Everything you need to know about
Bonus Points.**



30 August 2016

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Submitting an assignment online?



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SEARCH

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Future Students > Uni life > Social

Home

Courses

- ✕ School leaver
- ✕ Undergraduate
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- ✕ CSU Online
- ✕ Study options
- ✕ Uni life

- ✕ CSU campuses
- ✕ Accommodation
- ✕ Social
- ✕ Events

Social

Your university days will be some of the most exciting and memorable times of your life. And while our focus will always be on ensuring you succeed in your studies, we also want to give you every opportunity to enjoy the social occasions and friendships that round out the uni experience.

We offer a range of on campus sport and recreational facilities, and there are plenty of social and sporting clubs available for you to join. There's also a full calendar of social events like theme nights, gigs by live bands and get-togethers where you can mix and mingle with your new friends. Take advantage of these fantastic opportunities to broaden your horizons, try something new and watch your social life thrive!



Clubs and societies

CSU's [clubs and societies](#) are a great way to get involved in all kinds of fun activities. Our Clubs Day held at the beginning of Session 1 is your chance to find out about all the clubs on offer at your campus and sign up to the ones that interest you.

There are many types of clubs including:

- course-based
- religious groups
- collectives
- postgraduate



High school students

Let's make it happen

You've arrived at a pretty exciting moment in your life. High school is almost over. New things await. You're ready to plan your future.



Explore your options

Looking for some light reading?
Browse some of our print



Future Students

FUTURE STUDENTS

AMC Course Guide

Areas of Study

Undergraduate Courses

Coastal Seafaring (VET)

Postgraduate Degrees

Postgraduate Research

International Students

Distance Education

Scholarships

Fees & Assistance

Campus, Accommodation and Lifestyle

AMC on TV

Enquire Now

More Course Information

Apply Now

Want to **captain a large vessel, safeguard the world's marine environments, keep the world's goods moving, or design ships and robotic underwater vehicles?**

Or are you looking for a **career change, new life ashore or better prospects?**

Want to pursue **your passion through graduate research** that has real world application?

AMC offers a range of courses in the following areas:

- Maritime Engineering & Hydrodynamics
- Maritime Business & International Logistics
- Ocean Seafaring
- Coastal Seafaring (VET)

AMC Commercial Services

AMC Search



STUDY AT BOND

BOND INTERNATIONAL

LIFE AT BOND

BOND BUZZ



Student po



Staff login



Library



Contact us



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EXPERIENCE BOND UNIVERSITY RIGHT NOW

RIGHT NOW, this moment, the world is changing. Big changes, small changes, climate changes, gear changes... The future belongs to those that are making history now, the quick thinkers acting on their feet now, and the innovators blazing new trails now. With so much happening in the world, why wouldn't you learn from right now?

The way we learn at Bond University means you'll never be left behind. You'll experience things at Bond that will push you forward. At Bond University, you will learn how to learn in the now. We are challenging, volunteering, practicing and collaborating. RIGHT NOW, you could learn from everyone and everything from a university that values now.

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Everything you need to know about



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Complete your online application to

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Research

Faculties

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Students

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Entry pathways
Explore your pathway options



Application information
Find out how to apply to UniSA



Online degrees
Explore our range of online study options



Guaranteed entry
Discover UniSA Preferred



Credit for your study
Get recognised for prior learning



FAQs
Common questions about study

Contact us

Future Student Enquiries

Ph: (08) 8302 2376

Fax: (08) 8302 0977

Address: Level 1, 101 Currie Street, Adelaide SA 5000









So what's all this talk about
the 'Student Experience'?



How do we respond?

- QUT - Pulse survey, Reframe Survey
- Griffith - SEC and SET surveys
- UNSW - CATEI to eXplorance Blue
- Bond - eTEVALs
- Adelaide - SELT and eSELT

Pulse Survey Report - as at 30/08/2016

Please read in conjunction with the corresponding Individual Unit Report

Unit	EGB100 - Engineering Sustainability and Professional Prac
Unit Coordinator	PROF Ashantha Goonetilleke
Teaching Faculty	Science and Engineering Faculty
Teaching Period	SEM-1-2016

	Response Rate = 30% or higher	No Data
-	Data has been temporarily suppressed (ie survey currently in operation/deployment)	

Students Surveyed	765
Student Responses	209
Student Response Rate	27%



Teaching Team Surveyed	20
Teaching Team Responses	8
Teaching Team Response Rate	40%

Student Responses

Question		1 Disagree Strongly	2 Disagree	3 Neutral	4 Agree	5 Agree Strongly	Mean	
This unit is providing me with good learning opportunities.	PS1							
		Count	5	16	57	95	36	3.7
		Percent	2%	8%	27%	45%	17%	
I am taking advantage of opportunities to learn in this unit.	PS2							
		Count	4	14	60	101	30	3.7
		Percent	2%	7%	29%	48%	14%	
I am satisfied with this unit so far.	PS3							
		Count	9	24	70	83	23	3.4
		Percent	4%	11%	33%	40%	11%	

Insight Survey Report - as at 30/08/2016

Please read in conjunction with the corresponding Individual Unit Report

Unit	EGB100 - Engineering Sustainability and Professional Practice
Unit Coordinator	PROF Ashantha Goonetilleke
Teaching Faculty	Science and Engineering Faculty
Teaching Period	SEM-1-2016

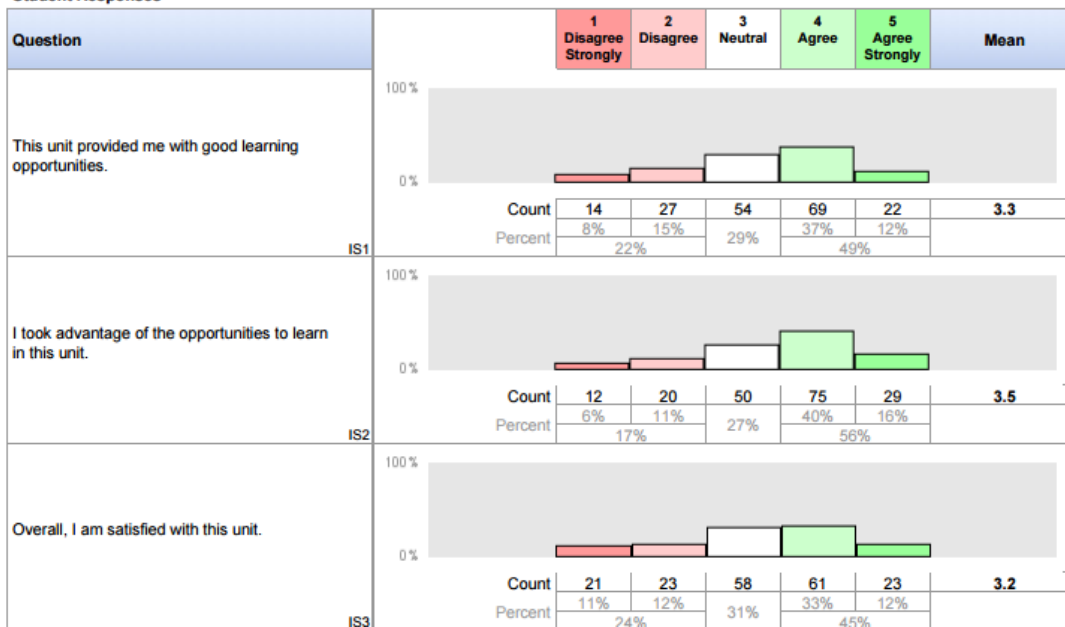
	Response Rate = 30% or higher	No Data
-	Data has been temporarily suppressed (ie survey currently in operation/deployment)	

Students Surveyed	716
Student Responses	186
Student Response Rate	26%



Teaching Team Surveyed	21
Teaching Team Responses	10
Teaching Team Response Rate	48%

Student Responses



But is this enough?

What about the Laboratory Learning Experience?



The Advancing Science by Enhancing Learning in the Laboratory (ASELL) Project: The first Australian multidisciplinary workshop

Alexandra Yeung^a, Simon M. Pyke^b, Manjula D. Sharma^c, Simon C. Barrie^d, Mark A. Buntine^e, Karen Burke Da Silva^f, Scott H. Kable^a, Kieran F. Lim^g

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^gSchool of Life and Environmental Sciences, Deakin University, Burwood Vic 3125, Australia

KEYWORDS: students' experience, laboratory learning, science education, science experimental workshop, communities of practice, professional development

International Journal of Innovation in Science and Mathematics Education, 19(2), 51-72, 2011.

Abstract

Most science educators and researchers will agree that the laboratory experience ranks as a major factor that influences students' attitudes to their science courses. Consequently, good laboratory programs should play a major role in influencing student learning and performance. The laboratory program can be pivotal in defining a student's experience in the sciences, and if done poorly, can be a major contributing factor in causing disengagement from the subject area. The challenge remains to provide students with laboratory activities that are relevant, engaging and offer effective learning opportunities.

The Advancing Science by Enhancing Learning in the Laboratory (ASELL) project has developed over the last 10 years with the aim of improving the quality of learning in undergraduate laboratories, providing a validated means of evaluating the laboratory experience of students and effective professional development for academic staff. After successful development in chemistry and trials using the developed principles in physics and biology, the project has now expanded to include those disciplines. This paper will discuss the activities of ASELL and provide a report about the first ASELL science workshop held at the University of Adelaide in April 2010, present some views of academic and student delegates, and make comparisons with other workshops.

How big an opportunity?

- 3800 individual experiences/year
- 54000 attendees/year
- \$6M budget
- \$\$\$\$M of infrastructure



A technical solution

1. Understand the experiences we offer
2. Measure the effectiveness of the experiences
3. Communicate the findings
4. Continually improve the experiences

1. What experiences we offer

Technical Services Workspace

Libraries

TS Home

Innovations

Our people

- Learning & Development

Spaces

- Lab List

Our services

- DMC Jobs Register List

- DMC Team View

- SEF Fridge & Freezers Overview

- Engagement Activities

Our processes

Quick Search:

Practical Experiment Index

ID	Speciality	Prac Name	Description	Run Time	Campus	Location
2	Medical	Sheep Spine Experiment	This prac demonstrates the characteristics of a sheep spine undergoing 4 point loading. Throughout testing, spinal trauma is introduced and resultant characteristics are noted and compared to the intact spine. Loading of the sheep spine is undertaken using the 5kN Houndsfield. Students are required to analyse recorded data including load, displacement and angular deflection.	2	GP	O207
4	Medical	Strain Gauging Experiment	Installation and investigation of a strain gauge on a cantilever element.	2	GP	O-216, O230, O217, O202, O222
10	Fluids	Festo Pneumatic Experiment	This prac enables students to create working pneumatic circuits based upon their pre-established theoretical concepts. Utilising a variety of pneumatic components, students are able to safely experiment with the configuration and control of pneumatic circuits.	2	GP	O-216 or O-230
11	Fluids	Festo Hydraulic Experiment	This prac demonstrates the applications and performance of hydraulic equipment. Students can design and build hydraulic circuits on a demonstrator unit using valves, actuators and principles that they learn about during lectures.	2	GP	O-216 or O-230

2. Measure the effectiveness of experiences

Tell us what you think

...about your Practical Experiment



❖ Did this activity help you to develop a better understanding of the subject area?

Not helpful at all Neutral Very Helpful
0 1 2 3 4 5 6 7 8 9 10

❖ How would you rate the equipment and facilities used for this activity?

Poor Facilities Neutral Great Facilities
0 1 2 3 4 5 6 7 8 9 10

❖ How likely is it that you would recommend this activity to a friend or colleague?

Not likely at all Neutral Extremely Likely
0 1 2 3 4 5 6 7 8 9 10

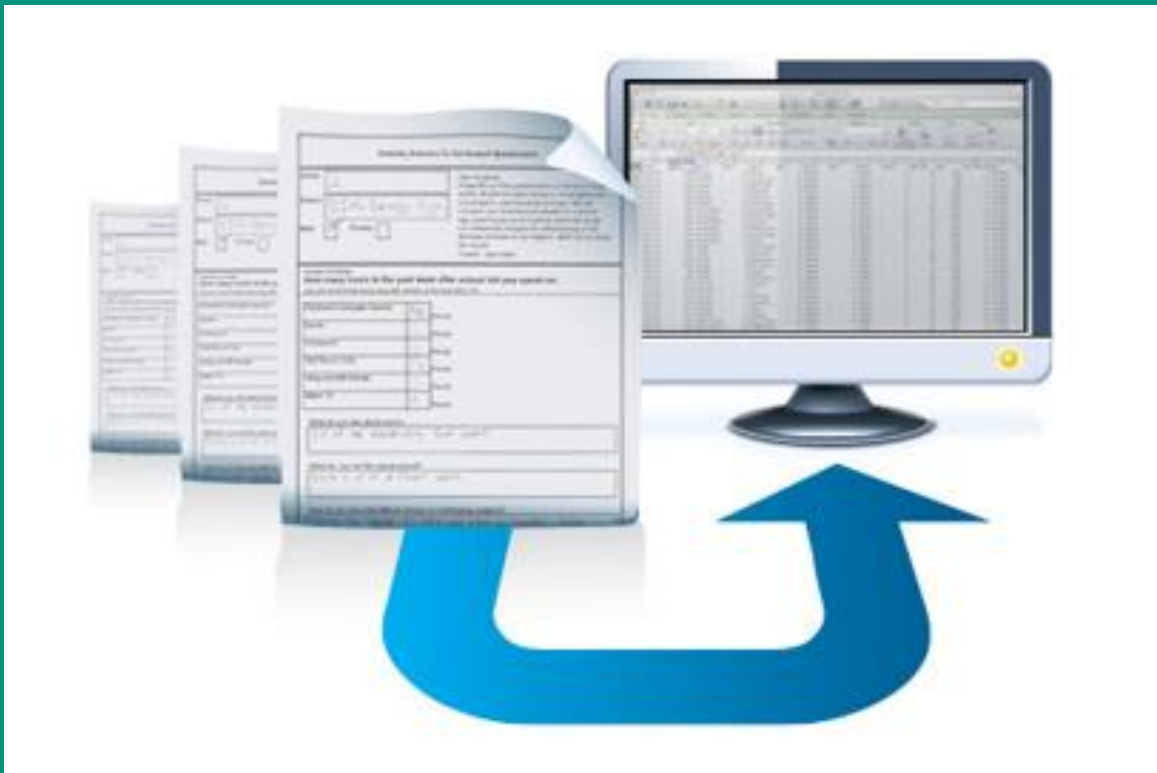
❖ How engaging did you find this activity?

Not engaging at all Neutral Extremely Engaging
0 1 2 3 4 5 6 7 8 9 10

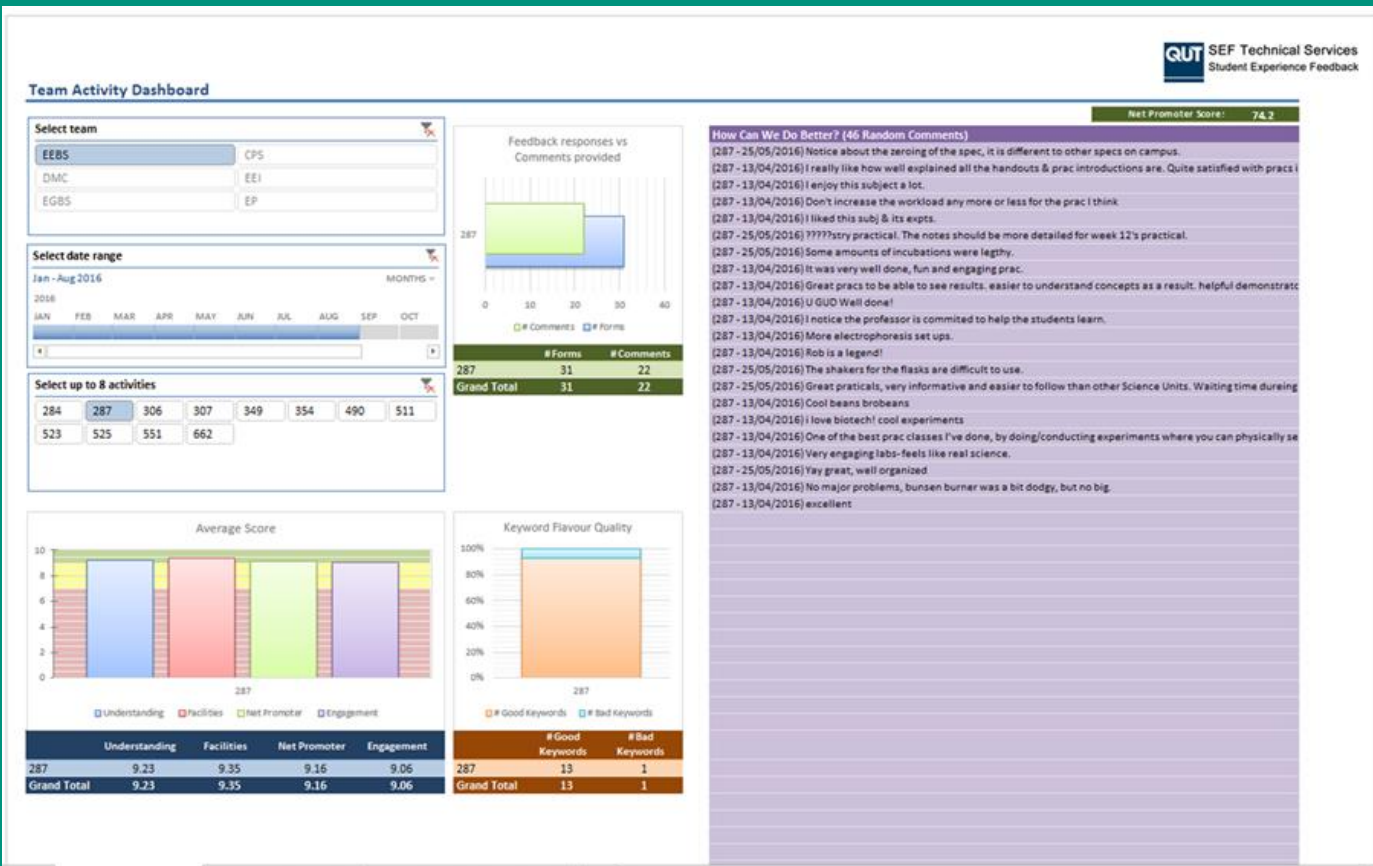
❖ Your thoughts? How could we do even better? [Please Print]



Hey, thanks for your feedback!!! This is a voluntary survey run by the Faculty of Science & Engineering to help us improve our learning experiences.
If you'd like to know more please contact the Technical Services Manager on 3138 6447



3. Communicate the findings



Team Activity Dashboard

Select team

EEBS

CPS

DMC

EEL

EGBS

EP

Select date range

Jan - Aug 2016

MONTHS

2016

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

Select up to 8 activities

284

287

306

307

349

354

490

511

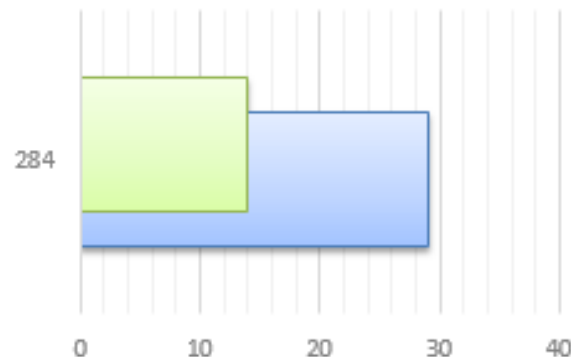
523

525

551

662

Feedback responses vs Comments provided



Comments # Forms

	# Forms	# Comments
284	29	14
Grand Total	29	14

How Can We Do Better? (46 Random Comments)

(197 - 14/03/2016) Good tutor

(197 - 15/03/2016) Too long, too many tests required.

(197 - 23/03/2016) Siq dude I like his style.

(197 - 15/03/2016) really good demonstrator he communicated very clearly and helped explain questions very thoroughly

(197 - 07/03/2016) Very helpful, informative, took time to explain

(197 - 08/03/2016) WAS INTERESTING, BUT DUE TO WAITING FOR RESULTS TO SETTLE WE SPENT ALOT OF TIME DOING NOTHING.

(197 - 16/03/2016) overall- good

(197 - 08/03/2016) N/A

(197 - 15/03/2016) Really good tutor. Shit Prac & boring

(197 - 22/03/2016) Too long & not much to do.

(197 - 08/03/2016) MORE CONDENSED TESTING TIMES

(197 - 23/03/2016) Inram was amazing. Good work & see you around

(197 - 23/03/2016) N/A

(197 - 14/03/2016) setup needs improving

(197 - 08/03/2016) Very good, nice guy

(197 - 09/03/2016) The practical was very informative. IMRAN did an excellent job.

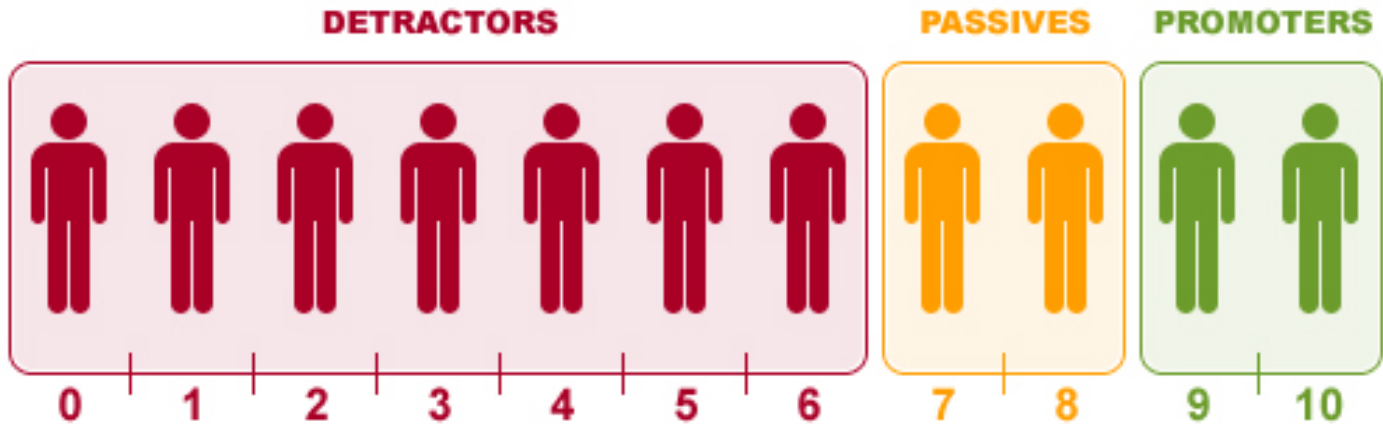
(197 - 08/03/2016) Cool experiment just a shame you have to wait so long for the data

(197 - 22/03/2016) Very engaging - only 3 students

(197 - 21/03/2016) Yes, easy to follow.

(197 - 07/03/2016) I've never learned so much in a prac

Net Promoter Score: -5.4



Net Promoter Score

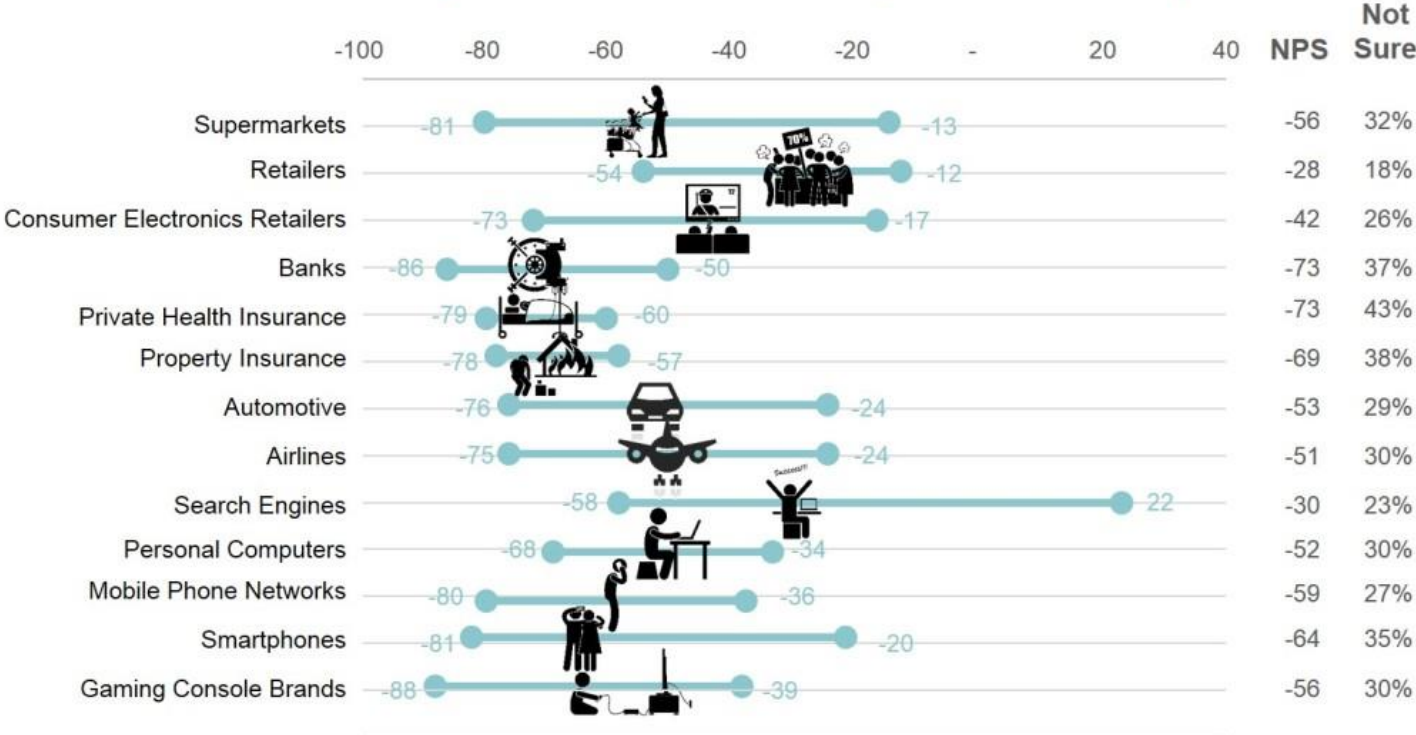
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% Promoters

-

% Detractors

Average Net Promoter Scores by Industry in Australia (Nov 2014)

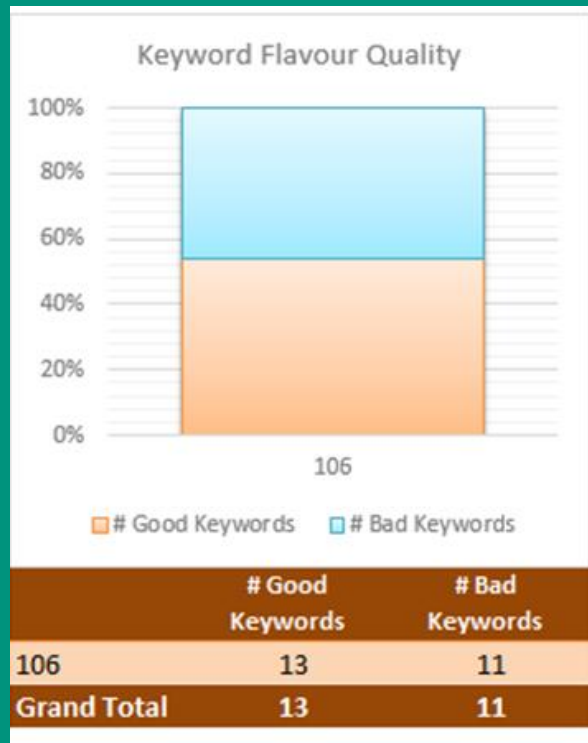
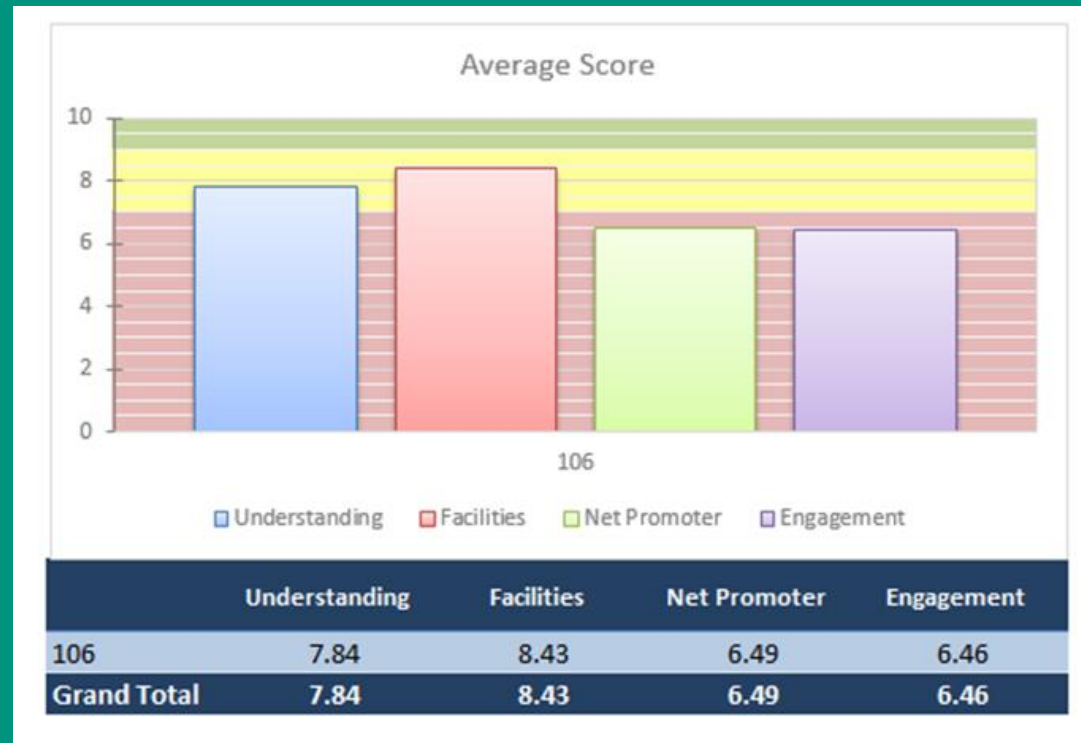


Total Base=500
 Source: Thrive Plus' Net Promoter Score Study, Nov 2014

4. Continually improve the experiences

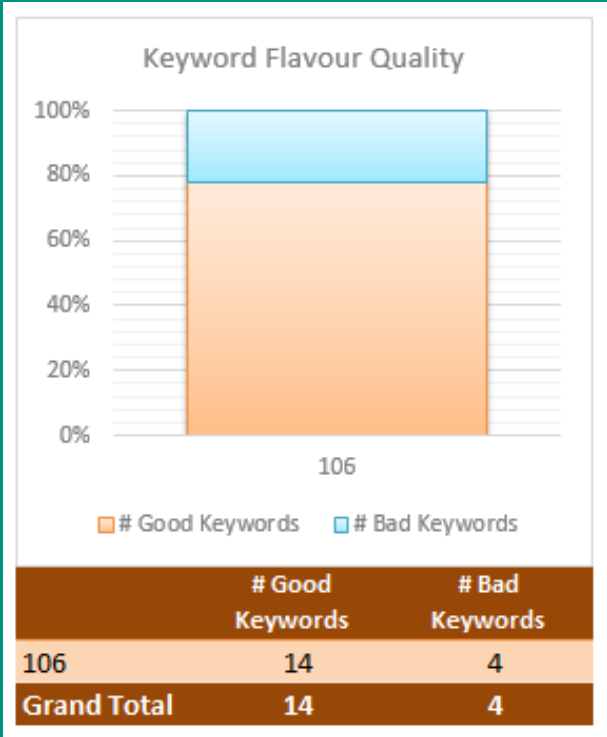
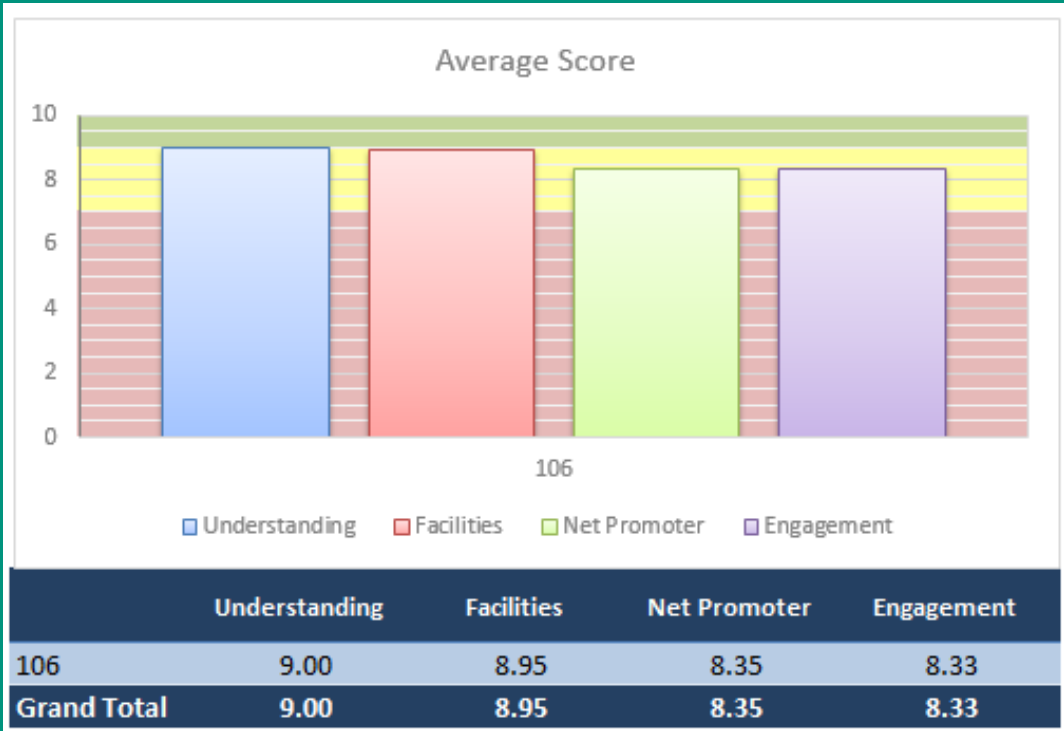


A Case Study...



How Can We Do Better? (46 Random Comments)

- (106 - 15/03/2016) PERHAPS ONLY DEMONSTRATE A FEW OF THE MEASUREMENTS THEN PROVIDE VALUES FOR THE REST, THE WAIT
- (106 - 21/03/2016) Very Boring
- (106 - 22/03/2016) Find a way to speed up result gathering or there is a lot of unproductive waiting.
- (106 - 09/03/2016) VERY LONG AND DRAWN OUT
- (106 - 16/03/2016) Way too long too much wasted time waiting for equipment to settle
- (106 - 22/03/2016) A long & uneventful prac.
- (106 - 07/03/2016) Well presented
- (106 - 09/03/2016) WAITING FOR COUNTLESS MINUTES FOR STEADY STATE MADE THIS VERY DISENGAGING UNFORTUNATELY THERE
- (106 - 23/03/2016) Alot of background noise from other Prac made it hard to hear clearly
- (106 - 15/03/2016) prac 2 should be just once instead of 3 times. It is cause that prac always end up with errors , so it will cont
- (106 - 22/03/2016) Good Tutor doing prac
- (106 - 09/03/2016) VERY LONG AND BORING
- (106 - 09/03/2016) THE PRACTICAL WAS QUITE BOEING. WAITING FOR THE APPAIAHS TO OATTAIN STEADY STATE WAS THE MAIN ISS
- (106 - 22/03/2016) It's a good prac, but it is very boring (by nature of experiment). Instructor was very good
- (106 - 21/03/2016) Very helpful, explantions are good, task has time to ensure concepts came across well
- (106 - 08/03/2016) Extremely repetitive and overly time consuming. We get the point after like 3 gos!!!
- (106 - 15/03/2016) Instructor was good but in engineering we are required to learn quickly not spend 3 hours doing a boring rep
- (106 - 21/03/2016) Provide report information ie layout of information (formal report structure) etc.
- (106 - 09/03/2016) NOT NECESSARY THAT THE PVAC TAKES 3HRS. VERY LITTLE PRACTICAL AND A LOT OF SITTING AROUND.
- (106 - 16/03/2016) it takes forever to do
- (106 - 15/03/2016) very long
- (106 - 22/03/2016) The teacher was great and the overall concept clear but the prae itself was tedious



How Can We Do Better? (46 Random Comments)

- (106 - 04/04/2016) Instructor was very helpful, only drawback was the time it took to take measurements instructor did try to improve
- (106 - 05/04/2016) Was good
- (106 - 11/04/2016) Well explained and demonstrated.
- (106 - 05/04/2016) Very well explained.
- (106 - 06/04/2016) Too slow between measurements
- (106 - 13/04/2016) GOOD
- (106 - 06/04/2016) Good - Teaches the principals of heat transfer well. Bad - Took a long time with lots of dead time. Need to fill in the gaps
- (106 - 13/04/2016) Video clips to explain in 3D.
- (106 - 12/04/2016) Tutor was good, practical is mostly spent waiting and becomes extremely tedious. Perhaps more time learning
- (106 - 13/04/2016) Give free beers & nuts while we wait for equilibrium
- (106 - 19/04/2016) Very well explained great demonstration
- (106 - 12/04/2016) Great understanding from tutor
- (106 - 06/04/2016) Long wait times, but not avoidable
- (106 - 05/04/2016) Shorter in time
- (106 - 11/04/2016) Well explained.
- (106 - 12/04/2016) Perhaps supply some of the data to shorten the length of the prac
- (106 - 05/04/2016) Charith was extremely helpful and engaging. Really enjoyed the prac.
- (106 - 05/04/2016) Shorter time
- (106 - 13/04/2016) It was very loud with the machines & another practical in the same room.
- (106 - 06/04/2016) Lots of time spent waiting for machines. Suggest some results are given for Prac 2.
- (106 - 19/04/2016) Prac was a bit long...
- (106 - 13/04/2016) It is a good experiment and better stuff

Next Steps

- Integrate NPS rating into Prac Experiment Index.
- Integrate output with existing unit feedback
- Collaborate with Academics to improve Prac experiences, and therefore improve overall experiences.





Practically Perfect...

...our experience with experiments

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