

## SoTL Grant Cycle 1/2015

No.	Principal Investigator	Title of Proposed Research	Department
1	AP Dr Bashar S. Mohammed	The Impact of Higher Level Thinking on Students' Achievement Toward Reinforced Concrete Design Course	Civil and Environmental Engineering
2	AP Dr Chong Fai Kait	Enhancing Practical Aptitude and Interest in Chemistry by Incorporating Interactive Analytical Experiments	Fundamental & Applied Sciences
3	AP Dr Irraivan A/L Elamvazuthi	Exploring the Integration of The 'Conceive, Design, Implement, Operate (CDIO) Model into Control Systems Undergraduate Education	Electrical & Electronics Engineering
4	Dr Subarna A/P Sivapalan	The Development of Sustainability Communication Teaching and Learning Framework for UTP's Undergraduate Professional Communication Skills (PCS) Module	Management & Humanities
5	Dr Zahiraniza Mustaffa	Enhancing Technical Understanding and Competency through Innovative Flipped Learning for Generation Y Undergraduate Hydraulics Students	Civil and Environmental Engineering
6	Dr Berihun Mamo Negash	Comparison of Students' Class Preparation: Revision of Taught Materials or Learning New Materials	Petroleum Engineering
7	Dr Mazeyanti Mohd Ariffin	Study on Collaborative Learning Impacts the Artificial Intelligent (AI) Courses	Computer & Information Sciences
8	AP Dr Dhanapal Durai Dominic P	A Study on the Collaboration and Participation Using Web 2.0 and Hands on Experience of Software for Higher Educational Student's Performance	Computer & Information Sciences
9	Dr Ng Cheng Yee	A Proposal to Improve the Visualization of 3D Support Reactions	Civil Engineering
10	Dr Dereje Engida Woldemichael	Adoption of Active Learning Methods in Lecture-Based Engineering Class: A Case of Dynamics Course in Mechanical Engineering Programme	Mechanical Engineering
11	Dr Noreen Izza Arshad	Exploring The Use of Digital Visual Materials in Teaching And Learning	Computer & Information Sciences
12	Dr Mohammad Tazli Bin Azizan	Technology-Assisted Formal and Informal Cooperative Learning in Reaction Engineering Course for Chemical Engineering Students in UTP	Chemical Engineering
13	Dr Emy Elyanee Mustapha	Initial Step Towards Positive Education (Student Engagement) through Implementation of E-Portfolio	Computer & Information Sciences

## SoTL Grant Cycle 2/2015

No.	Principal Investigator	Title of Proposed Research	Department
1	AP Dr Jose Antonio Gamez Vintaned	Application of Blended Learning to the Subject "Palaeontology" in UTP	Geosciences
2	Dr Suhaili Zakaria	The Utilization of Science Fiction in Teaching and Learning of Relativity	Fundamental & Applied Sciences
3	Dr Md Abdus Salam	Engineering Students Understanding of Thermodynamics (ESUTH) - An Innovative Teaching and Integrated Research	Chemical Engineering
4	Dr Raja Ahmad Iskandar Bin Raja Yaacob	The Effects of The Inverted Classroom (Classroom Flip Learning) On Student's Learning Environment: A Comparison of Learning Activity in a Traditional Classroom and a Flip Classroom at Undergraduate Level	Management & Humanities
5	Muhammad Luqman bin Hasan	Comparison of the Effectiveness of Physical and Virtual Field Trip	Petroleum Engineering
6	Dr Bawadi Bin Abdullah	A Flipping Classroom Technique in Improving Students' Grade in Advanced Transport Process Course in UTP	Chemical Engineering
7	Dr Mohd Fakhizan Bin Romlie	A Study on Effectiveness of Using Concept Map to Support Teaching and Learning of Electrical Machines	Electrical & Electronic Engineering