

SoTL Grant Cycle 1/2016

No.	Principal Investigator	Title of Proposed Research	Department
1	AP Dr Abdul Rahim Othman	Adoption of Self-Efficacy Model in Cross-Disciplinary Team Learning: A Case Study in Engineering Team Project (ETP)	Mechanical Engineering
2	Dr Hilmi Hussin	Investigation on the Effects of Design Thinking Approach and ICT Applications in Enhancing Students' Creativity and Innovation in POPBL-based Engineering Team Project (ETP) Course	Mechanical Engineering
3	Dr Mysara Eissa Mohyaldinn Elhaj	Improvement of Quality of Learning for PE Students via Implementation of Flipped Learning and Active Learning	Petroleum Engineering
4	AP Dr Wan Fatimah Wan Ahmad	Integrating Design Thinking Approach in Human Computer Interaction Course	Computer and Information Sciences
5	Abu Bakar Sayuti Hj Mohd Saman	Implementation of PBL in Structured Programming and Interfacing Course	Electrical and Electronic
6	Dr Muhammad Umar Draz	Teaching Accounting to Non-accounting Students: The Effect of Concept Mapping on Students' Achievement	Management and Humanities
7	Dr Syed Saad Azhar Ali	Improving the Quality of Learning in Circuit Theory Using Team Based Active Learning Approach	Electrical and Electronic
8	Dr Shuib Basri	Integrated Collaborative Learning Methods in Software Engineering (SE) Related Courses	Computer and Information Sciences
9	Mazlin Idress	Implementation of Cooperative Learning to Enhance Student Learning in Well Stimulation Technique Class	Petroleum Engineering

SoTL Grant Cycle 2/2016

No.	Principal Investigator	Title of Proposed Research	Department
1	Dr Nurlidia Mansor	Enhancing Delivery, Teaching and Learning Experience of Health, Safety and Environment (HSE) Course using Massive Open Online Course (MOOCs) mode at Universiti Teknologi PETRONAS	Chemical Engineering
2	AP Ahmad Mustafa Hashim	The Impact of Structured Academic Visit on Students' Cognitive and Academic Performance for Coastal Engineering Courses	Civil and Environmental Engineering
3	Dr Ahmad Sobri Hashim	Teaching and Learning Fundamental of Programming Through Robotic Approach	Computer and Information Sciences
4	Azman Zainuddin	Study on the Level of Students Preparations for Successful Implementation of Flipped Classrooms in Introductory Physics Course	Centre for Foundation Studies
5	Khairul Nisak Md Hasan	Improving Learning in Power Electronics using Student Respond System with Series of Reinforced Questions to Incorporate Active Learning	Electrical & Electronics Engineering
6	Lo Hai Hiung	Formative Assessment as Motivational Tools to Spur Students Interest in Learning Structured Programming and Interfacing	Electrical and Electronics Engineering
7	Dr Mazli Mustapha	Analyzing Lecturer Self-efficacy in a Project Based Learning (PBL) of Manufacturing Technology II Course	Mechanical Engineering
8	Dr Mohana Sundaram Muthuvalu	Increase Students' Engagement and Understanding Through Cooperative Learning for Large Ordinary Differential Equations Class	Petroleum Engineering
9	Muhammad Aslam Bin Md Yusof	A Web-Based Educational Computer Game Approach to Stimulate Student Motivation and Learning	Petroleum Engineering
10	Muhammad Luqman Hasan	Game-based Learning Implementation to Improve Students' Learning	Petroleum Engineering
11	Dr Nurhayati Mellon	Improving Student Performance and Motivation to Learn Through Implementation of Active or Cooperative Learning for Separation Process II	Chemical Engineering
12	Dr Rohiza Ahmad	Imparting Critical Thinking Skills Through Laboratory Material for Flipped Learning of Structured Programming	Computer and Information Sciences

13	Dr Satirenjit Kaur Johl A/P Pritam Singh	Improving Teaching Learning Method of Entrepreneurship Through Active Learning	Management and Humanities
14	Siti Nur Fathiyah Jamaludin	Just-in Time Teaching Technique Approach in Seismic Related Subjects for Petroleum Geoscience Course	Geosciences
15	Dr Titus Ntow Ofei	Rapid Prototyping Teaching Aids for Advanced Drilling Engineering Class in UTP	Petroleum Engineering