

ร่างหัวข้อการวิจัยสำหรับนักศึกษาระดับปริญญาโท – เอก

นักศึกษาระดับปริญญาโท-เอก ที่สนใจการศึกษาแผน ก. คณะฯ มีหัวข้อการวิจัยดังรายละเอียดต่อไปนี้

ลำดับ	อาจารย์ที่ปรึกษา	Ph.D. Area of Research	M.Sc. Area of Research
1	รศ.ดร.บวร ปภัสราทร รศ.ดร.วิเชียร ชูติมาสกุล ดร.วิทิตา จงศุภชัยสิทธิ์ ดร.สุรีย์ พูนิกุล	<ul style="list-style-type: none"> ■ e-Health Modeling for Aging Society in Thailand ■ Information Quality (IQ) for e-Health ■ Recommender Engineering (RE) for Elder Health-care Services In Thailand 	<ul style="list-style-type: none"> ■ Requirement Engineering of Elder Health-care System in Thailand. ■ Social Network for Elderly ■ The Model of Organizational Warning System for Elderly
2	รศ.ดร.บวร ปภัสราทร รศ.ดร.วิเชียร ชูติมาสกุล ดร.วิทิตา จงศุภชัยสิทธิ์ ดร.สุรีย์ พูนิกุล	<ul style="list-style-type: none"> ■ Information Infrastructure for Emergency Preparedness ■ Information Infrastructure for Flood Warning ■ Emergency and Disaster Response Management 	
3	รศ.ดร.บวร ปภัสราทร	<ul style="list-style-type: none"> ■ Telecommunication (3G/4G) Licensing in Developing Countries: Thailand Case Study (what would be the most effective licensing process for allocation of spectrum for 3G/4G in developing countries context) ■ Persuasive Computing: using Information Technology to persuade ones to change behavior. ■ Performance of IP based systems: to assess how good systems (using IP) are. 	
4	รศ.ดร.วิเชียร ชูติมาสกุล	<ul style="list-style-type: none"> ■ Transformation Model for “Local” to “Global” Role, e.g. Education, Leadership, etc. ■ IT Role for Supporting Mobile Curriculum / Programs ■ Education Assessment, e.g. Thailand Qualification Framework: TQF ■ Virtual Learning Assessment, e.g. Collaborative e-Learning ■ e-Government Assessment 	
5	ดร. วิชัย เอี่ยมสินวัฒนา	-	<ul style="list-style-type: none"> ■ Personalised Support for E-Learning Technology Enhanced Learning ■ Personalised Support for M-Learning Technology Enhanced Learning ■ Informal Learning ■ Reflective Learning e.g. E-Health Services, Emergency Services
6	รศ.ดร.กิตติชัย ล้วนยานนท์	<ul style="list-style-type: none"> ■ Application of Computational Intelligence in Time Series Classification ■ Application of Computational Intelligence in Time Series Clustering ■ Application of Evolutionary Computation in Spatial Economics (Emergence of Cities) ■ Intelligent E-learning System 	<ul style="list-style-type: none"> ■ Improvement to the Self-adjusting Association Rules Generator (SARG) ■ Implementing a clustering technique(s) using any or a mixture of Evolutionary Computation techniques. ■ Intelligent E-learning System

ลำดับ	อาจารย์ที่ปรึกษา	Ph.D. Area of Research	M.Sc. Area of Research
7	ดร. โอรุณ โรจนพรพันธุ์		<ul style="list-style-type: none"> ■ Software Product Line Engineering (SPLE) ■ Domain Specific Language (DSL)
8	ผศ.ดร. Jonathan Chan	<ul style="list-style-type: none"> ■ Multi-class classification <ul style="list-style-type: none"> ◦ Biological datasets – gene expression, SNP microarray, exome sequencing, ... ◦ Non-bio datasets – images/videos/audios, social network, security, transportation, web mining, ... E.g. Large scale hierarchical text classification (http://www.kaggle.com/c/lshlc) ■ Text-mining <ul style="list-style-type: none"> ◦ Biological (e.g. BioNLP conference) ◦ Security-related - spam, ... E.g. Sentiment analysis on movie reviews (http://www.kaggle.com/c/sentiment-analysis-on-movie-reviews) ■ Game development <ul style="list-style-type: none"> ◦ ones that make use of Brain-Computer Interface (e.g. Emotiv), Machine Learning, AI, stats, and so on ◦ Can also be application oriented. E.g. article on “Vision improved by brain-training app” (http://www.cbc.ca/m/news/#/content/1.2555500) 	
9	ผศ.ดร.พรชัย มงคลนาม	<ul style="list-style-type: none"> ■ การพัฒนาระบบ Mindfulness/Focus และทดสอบระบบ (as of June 2017) ■ Smart farming 	
10	ดร. อนุชาติ ทศนวิบูลย์	<ul style="list-style-type: none"> ■ ระบบบริหารศิษย์สาธารณะสำหรับสังคมการศึกษา ■ ระบบพิสูจน์ตัวตนที่จุดเดียวบนสถาปัตยกรรมแบบที่แตกต่าง 	
11	ผศ.ดร. กุลวดี สมบูรณ์วิวัฒน์	<ul style="list-style-type: none"> ■ Recommender Systems <ul style="list-style-type: none"> ○ Group Recommendation ○ Context - aware Recommendation ○ Trust – aware Recommendation ■ Learning Representation for NLP, and Bioinformatics ■ Question Answering Systems ■ Deep Learning 	

SIT Research - Aging Society

	IT Services Infrastructure IP Communication Laboratory I-Lab	IT Service Valuation and Other[Data to] Knowledge Data Science and Engineering Laboratory D-Lab	IT Services Requirement Requirement Engineering Laboratory R-Lab
<i>Mentor:</i>	Borworn Papasratom Prasert Kanthamanon	Nipon Charoenkitkarn Tippawan Pinvanichkul	Borworn Papasratom Sumet Angkasirikul Wichian Chutimaskul
<i>Leader:</i>	Anuchart Tassanaviboon	Pornchai Mongkolnam	Vithida Chongsuphajaisiddhi
<i>Lab Manager:</i>	-	<i>Prissadang Suta</i>	-
<i>Objectives:</i>	Gadgets and broadband infrastructure for working and living well	Valuation Warning and other knowledge related to aging working and living	Requirement, Adoption, and Deployment of IT and broadband for elder people
<i>Member:</i>	<ul style="list-style-type: none"> - Anuchart Tassanaviboon - Kittiphan Puapholthep - Kittipong Warasup** - Montri Supattatham - Pichai Kositpantavong - Unhawa Ninrutsirikun* 	<ul style="list-style-type: none"> - Bunthit Watanapa - Chakarida Nukoolkit, - Ekapong Jungcharoensukying - Jonathan Hoyin Chan - Kittichai Lavangnananda - Kriengkrai Porkaew - Kulwadee Somboonviwat - Narongrit Waraporn - Patcharaporn Lavangnananda - Pichet Limvachiranan - Praisan Padungweang - Sanit Sirisawatvatana - Thanitsorn Chirapornchai - Umaporn Supasitthimethee 	<ul style="list-style-type: none"> - Atchara Tran u-raikul - Chonlameth Arpnikanondt - Olarn Rojanapornpun - Pakinee Upatum - Siam Yamsaengsung* - Sunisa Sathapornvajana* - Suree Funilkul - Wichai Eamsinvattana - Worarat Krathu

*Further Study

**Study abroad