

Subject Code	COMP5706
Subject Title	Ecosystem for IT Innovations
Credit Value	3
Level	5
Pre-requisite / Co-requisite/ Exclusion	Nil
Objectives	The objective of this subject is to enable students to understand different ecosystems for IT innovations and to realize the success factors of these ecosystems so as to develop digital strategies for supporting business and technology innovations.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: <ul style="list-style-type: none"> a) Understand what are the components inside ecosystems for IT Innovations locally and internationally b) Identify the success factors of an ecosystem for innovations, including an appreciation of the spirit of entrepreneurship c) Develop strategies with co-creation and collaboration approaches for supporting innovations
Subject Synopsis/ Indicative Syllabus	<ul style="list-style-type: none"> • Overview of ecosystem for IT innovations • Criteria for ecosystem development and completion • Roles of research parks and universities • Broadening funding opportunities, co-creation and collaboration partners • Public policies to support innovations • Strengthening key components in IT innovation ecosystems • Comparing innovation ecosystems in different regions
Teaching/Learning Methodology	<p>The subject will take a workshop format, with short lectures to outline key components of an ecosystem for IT innovations. Participants will reflect on what they learned by reviewing cases as class exercises and assignments. They will also work in groups to review the success factors of ecosystems in different places. Guest speakers of start-up companies, policy makers and funding agencies will be invited for sharing their views on ecosystems for IT innovations in different regions and countries.</p> <p>Assessment will take the form of written reports of case reviews for individual students. It is expected there are 5 cases for students to work on. Also, there will be a group project to practice the taught framework. Each member of a student group can lead a different part with respect to the framework and collaborate together.</p> <p>Relevant online materials will be developed for students to enable blended learning and flipped classroom arrangement under a SPOC (small private online class) set up is considered when appropriate.</p>

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c			
	1. Class exercises and assignments	50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
	2. Group project	50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
	Total	100 %						
Student Study Effort Expected	Class contact:							
	<ul style="list-style-type: none"> ▪ Workshops 						30 Hrs.	
	Other student study effort:							
	<ul style="list-style-type: none"> ▪ Self-study 						60 Hrs.	
	Total student study effort						90 Hrs.	
Reading List and References	<p>Amnon Frenkel and Shlomo Maital (2014). <i>Mapping National Innovation Ecosystems: Foundations for Policy Consensus</i>, Edward Elgar Publication.</p> <p><i>Trends in the Innovation Ecosystem: Can Past Successes Help Inform Future Strategies? Summary of Two Workshops</i> (2013), The National Academic Press.</p> <p>Victor W. Hwang and Greg Horowitz (2012). <i>The Rainforest: The Secret to Building the Next Silicon Valley</i>, Regenwald; 1.02 edition.</p> <p>Martin Fransman (2010). <i>The New ICT Ecosystem, Implications for Policy and Regulation</i>, Cambridge.</p> <p>Other web accessible materials, such as</p> <ul style="list-style-type: none"> • What Are Innovation Ecosystems and How To Build and Use Them, http://www.innovationmanagement.se/2011/05/16/what-are-innovation-ecosystems-and-how-to-build-and-use-them/ • The 5 C's of innovation ecosystems, https://www.devex.com/news/the-5-c-s-of-innovation-ecosystems-86639 							