

Demarcation Line for Social Science Research in Information Technology

	PSM (B.IT/B.Comp. Sc)	Master Taught Course (Information Technology)	Master Mixed Mode (Computer Science - 21 credits)	Master - Research (Information Technology)	PhD (Information Technology)
Scope	<ul style="list-style-type: none"> ● Applications/Fundamental ● Research analysis on available/existing approaches, models, techniques, frameworks, architectures, algorithms, design, case study, method ● *how deep analysis? ● [6-12 credit hours] 		<ul style="list-style-type: none"> ● Data can be primary or secondary ● Research is based on courses taken in the program. ● Output of research including theoretical/conceptual framework, architecture, comparative analysis, model. ● Research contribution(s) is/are in the field of study (Software Engineering/ Information Security) ● Verification by case studies/expert/tools ● Validation by case studies/expert/tools (other method than used in verification) ● Minimum contribution 	<ul style="list-style-type: none"> ● Data can be primary or secondary ● Validate framework at least using ICT tool ● Enhance/improve/ novel framework/model/ architecture ● Output of research including theoretical/conceptual framework, architecture, comparative analysis, model. ● Research contribution(s) is/are in (theory) or (methodology) or (subset of theory and subset of methodology) or (subset of theory and subset of methodology and subset of application) 	<ul style="list-style-type: none"> ● Data can be primary or secondary ● Validate framework at least using ICT tool ● Enhance/improve/ novel framework/model/ architecture ● Output of research including theoretical/conceptual framework, architecture, comparative analysis, model. ● Robust research methodology ● Research contribution(s) is/are in (theory) or (methodology) or (subset of theory and subset of methodology) or (subset of theory and subset of methodology)

			to knowledge (redefine/compare)	<ul style="list-style-type: none"> • Verification by case studies/expert/tools • Validation by case studies/expert/tools (other method than used in verification) • Contribution to knowledge[breadth in nature] - more on what questions 	<p>and subset of application)</p> <ul style="list-style-type: none"> • Verification by case studies/expert/tools • Validation by case studies/expert/tools (other method than used in verification) • Contribution to knowledge[depth in nature] - more on how and why questions
Minimum Requirements	<p>1 approach applied on 2 data (case studies), or</p> <ul style="list-style-type: none"> • 1 experimental works, or • modelling based on available software • 1 technical report (IEEE/Springer format) • submitted to the faculty – minimum of 3 pages. 		<ul style="list-style-type: none"> • Literature Review include minimum comparison of 4 approaches (if less justify) • 1 approach applied on 2 case studies (if less justify) or 1 experimental works • produce 1 modelling/conceptual framework/architecture based on findings • 1 technical report IEEE/Springer format) submitted to the faculty – minimum of 6 pages. 	<p>1 article in proceeding indexed in Scopus or IEEE Explore</p>	<p>2 article in journal indexed in Scopus or 1 article indexed in ISI impact factor (at least Q4)</p>