

Subject Description Form

Subject Code	CSE48904
Subject Title	Design Project for Civil Engineering
Credit Value	4
Level	4
Pre-requisites / Exclusion	Pre-requisites: All CSE core subjects at 300-399 or 30000-39999 level Exclusion: CSE49404 Design Project, CSE48404 Design Project for Civil Engineers
Objectives	To enable the students to develop the first hand practical design experience before graduation.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: 1. apply the fundamentals of applied science, mathematics, and statistical methods to formulate effective solutions across a wide range of civil engineering domains; 2. identify, structure and analyze diverse problems arising from the changing constraints that influence engineering projects, such as economic, environmental, legal, social, health and safety, sustainability, and technological considerations; 3. develop and function effectively in multi-disciplinary teams; 4. to synthesize logical solutions to civil engineering problems independently with a creative and imaginative mind; 5. to work professionally and ethically; 6. communicate logically and lucidly through drawing, calculation, and in writing; 7. acquire broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context; 8. utilize the techniques, skills, and modern engineering tools necessary for engineering practice to meet desired needs within realistic constraints; 9. cope with challenges and developments of the profession, including the increasing application of information technology in practice. 10. to recognize the need for, and to engage in life-long learning

[illegible]

	#1. Project Presentation	50	√	√	√	√	√	√	√	√	√	
	#2. Project Report	50	√	√	√	√	√	√	√	√	√	√
	Total	100 %										
	Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: In this subject, students will work in a group and will have regular group discussions and meetings with their supervisors. Assessments methods include #1. Project Presentation which comprises of - consultation meetings (30%), interim presentation (10%) and final presentation (10%) and ## 2. Project Report which comprises of seminar report, interim report (20%) and final report (30%). Among the above weighting, 30% of it refers to group effort while 70% refers to individual effort. Students must pass both the project presentation and project report and achieve a passing overall score/ grade to pass the subject.											
Student Study Effort Expected	Class contact:										Average hours per week	
	▪ Consultation Meetings										2.7 Hrs.	
	▪ Project Presentation and Feedback										0.3 Hrs.	
	Other student study effort:											
	▪ Self Study and Project Works										9 Hrs.	
	Total student study effort										12 Hrs.	
Reading List and References	To be provided by the project supervisors.											