

# SST388 STEM Interdisciplinary Project

**Level:** 3

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JAN

## **Synopsis:**

SST388 STEM Interdisciplinary Project is a one-semester course where students will work with an academic/instructor/industry practitioner on a research or industrial project in STEM. The topic can be decided by the student with the approval of the academic/instructor. The student is required to frame the project, review the relevant literatures, and prepare the proposal.

## **Topics:**

- Project Design
- Proposal Writing
- Development of Project Objectives and Guidelines
- Problem Formulation
- Critical Thinking
- Analytical Thinking
- Communication Skills
- Research Competences
- Technology Competences
- Knowledge Integration
- Presentation Competence
- Report Writing Skills

## **Textbooks:**

Research Methods: A Practical Guide for Students and Researchers Willie Chee Keong Tan World Scientific

ISBN-13: 9789813229600

**Learning Outcome:**

- Formulate the objectives and guidelines of the project
- Critique relevant literatures to gather information for the project
- Assess the constraints and limitations encountered in the project
- Demonstrate problem solving skills
- Analyse data and recommend solutions
- Appraise the key findings of the project

**Assessment Strategies - Regular Semester (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	PROJECT PROPOSAL 1	20
	PROGRESS REPORT 1	20
Overall Examinable Components	FINAL REPORT	45
	FINAL PRESENTATION	15
<b>Total</b>		<b>100</b>

\*The information listed is subject to review and change.