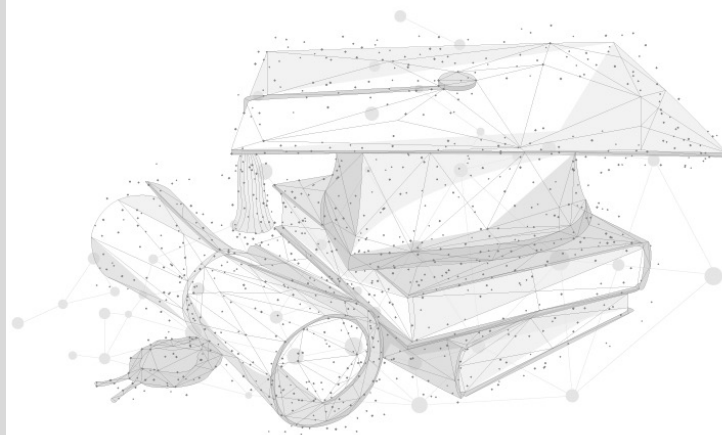


DOCTOR IN EDUCATION

Area of Research

Natural Sciences and Science Education



 Research Domains	 Scope of Research	 Faculty Members (Potential Supervisors)
STEM Education, Science Education, Chemistry Education	Critical Studies, STEM Integration, EpiSTEMic Practices	Assoc Prof Teo Tang Wee
Integrated STEM Education, Science Teacher Professional Development, Science Learning	STEM Integration, Classroom Interactions, Inquiry Learning	Assoc Prof Tan Aik Ling
Integrated STEM Education, Science Education, Physics Education	Integrated STEM Learning Design; Students' Collaborative Deliberations; Scientific And Epistemic Practices (E.G, Investigating, Reasoning, Argumentation)	Asst Prof Ong Yann Shiou
Science Education	Curriculum Studies, Knowledge-Rich Work & Curricula, EpiSTEMic Practices, Discursive Psychology	Assoc Prof Lee Yew Jin
Artificial Intelligence in Education, Chemistry Education, and Educational Technology	Ai-Integrated Teaching And Assessment, Lab-Based Inquiry, Curriculum Studies	Asst Prof Gyeonggeon Lee

 Research Domains	 Scope of Research	 Faculty Members (Potential Supervisors)
Science Education, Physics Education	Multimodal Representation, Ai Literacy	<u>Asst Prof Joonhyeong Park</u>
STEM+Computing (STEM+C) Education & Educational Psychology	Ai Literacy, Computational Thinking, Engineering Education, & Non-Cognitive Factors	<u>Asst Prof Ibrahim H. Yeter</u>
Food and Consumer Sciences and Education	Consumer Food Science, Food-Related Issues, Food And Consumer Sciences Policies And Curriculum	<u>Dr Johannah Soo</u>
Science Education, Inclusive and Special Education, Teacher Professional Development	Ai Instructional Support, Ai-Enabled Pedagogy, Ai-Enhanced Professional Development, Multimodal Learning Analytics, Educational Data Mining	<u>Asst Prof Edwin Chng</u>
Integrated STEM Education, Technology-Enhanced Learning Environments	STEM Integration, Design-Based Inquiry, Computing Education, Digital Literacy, Scientific Literacy	<u>Dr Tan Ter Ming Timothy</u>
Science Education, STEM Education	Scientific Inquiry, STEM Inquiry, Technology-Based Learning, Sociocultural Theory	<u>Asst Prof Jina Chang</u>