Date	Session	Activity	Learning Objectives
	Registration		
	Welcome Speech by Dr. Siriluk Prukpitikul, Deputy Executive Director, GISTDA		
	Group Photo		
15/07/2024	Morning (9-12)	Introduction and fast flood	
	Afternoon (13-17)	Introduction to Mathematics of Machine Learning	To know and refresh the basics of regression and linear algebra
16/07/2024	Morning (9-12)	Introduction to the Machine Learning models and their mechanism (Theory)	To understand the basics of machine and deep learning models and their inner working
	Afternoon (13-17)	Introduction to the Machine Learning models and their mechanism (Practice)	To implement basic machine learning models with focus on hazard mapping
17/07/2024	Morning (9-12)	Selection of model and Loss function (Theory)	To understand the types of machine learning model and their use in Machine learning
	Afternoon (13-17)	Selection of model and Loss function (Practice)	To understand the best practices while programming deep learning models and training them
18/07/2024	Morning (9-12)	Introduction to workshop project and dataset	To introduce the use cases and possible dataset together with possible models for each cases
	Afternoon (13-17)	Workshop	To prepare the required data based on a given case study for particular flood event
19/07/2024	Morning (9-12)	Workshop	To use the prepared data with existing models to train and validate the model for flood mapping
	Afternoon (13-17)	Group Presentations	Present the results obtained from the workshop

Individual/Group Work
Lecture