

<b>Project ID</b>	1-C
<b>Project Title</b>	AI Model for Detecting Abnormal Behavior
<b>Mentor</b>	KhangLV1
<b>Project Description</b>	
Model AI uses data to be able to detect anomaly behavior in many environments. Based on the surveillance video, the AI model can extract and analyze the video to help detect abnormal behavior (it may not be pre-defined about what behavior is called abnormal).	
<b>Project Skill</b>	
	Computer Vision
	Research
	Modeling
	Training and evaluation
	Software
<b>Research Component</b>	
<p>Week 1-4</p> <ul style="list-style-type: none"> <li>• Clear the requirements and output of the problem</li> <li>• Research papers related to the problem of detecting unusual behavior in videos</li> <li>• Synthesize solutions and reports to select the 3 most suitable solutions</li> <li>• Need to learn and use public dataset</li> </ul> <p>Week 5- 8</p> <ul style="list-style-type: none"> <li>• Confirm with teams 1-A and 1-B to create a standard dataset</li> <li>• Based on the survey and known knowledge, it is necessary to confirm on the evaluation metrics within the team</li> <li>• Implement and run the source code in the survey or implement the solution proposed by the team</li> </ul> <p>Week 9-12</p> <ul style="list-style-type: none"> <li>• Evaluate and compare the effectiveness of solutions to choose the most suitable solution</li> <li>• Work with team 1-B to use the model to evaluate on real data</li> <li>• Product packaging includes (Source code, trained model, survey, report, ...)</li> </ul>	