

國立臺灣科技大學學位論文專業領域審查申請表

National Taiwan University of Science and Technology

Recognition Form for Academic Field of Expertise

系所 Department	電子工程系 Department of Electronic and Computer Engineering	學號 Student ID No.	M11102259
學生姓名 Name	邱琮崴		
論文題目 Thesis/Dissertation Title	中文	應用領域自適應方法於自駕車物件偵測	
	English	Domain Adaptation for Self-Driving Car Object Detection	
研究目的 Research Objectives			
This research aims to investigate the use of Domain Adaptation techniques, with a specific focus on Large Language Vision Models (LLVM) and Adapter in Transformer architectures, to enhance self-driving car object detection in scenarios involving domain adaptation. The study investigates methods to fine-tune LLVM specifically for object detection, the use of LLVM for generate pseudo labels and employs Adapter in Transformer architectures to enhance parameter efficiency during training.			
學生簽名與日期 Student's signature_____date_____			
專業領域 認定審查 Recognition of Field of Expertise	指導教授 Thesis/Dissertation Advisor	<input type="checkbox"/> 學位論文題目與內容符合本系(所)專業領域之一 The topic and content of the thesis/dissertation align with the department's academic field of expertise.	
		<input type="checkbox"/> 學位論文題目與內容不符合本系(所)專業領域 The topic and content of the thesis/dissertation do not align with the department's academic field of expertise.	
		指導教授簽章 Advisor's signature:_____date_____	

備註：

研究生須於學位考試前一學期或最遲於學位考試當學期全校加退選截止前，依系所規定期限，將本表送交系所審查是否與系所專業領域相符(人文學院及請另洽系所，系所另有規定表單，請於系所網站下載填寫)。未依系所規定期限通過系所審查者，不得申請學位考試。

Note: Before the last semester of the degree examination or before the add/drop deadline of the current semester as set by the department, students must submit their thesis/dissertation topic and research objectives to the department for review to determine if they are consistent with the department's professional field (please contact the department separately for the College of Humanities); after completing the research objectives, please download and print the application form for professional field review of the thesis/dissertation from the document download page. If the system cannot download the application form, it means that the department has a separate form. Please download and fill out the form from the department's website and submit it to the department for review within the deadline set by the department. Those who do not pass the department's review within the prescribed time limit may not apply for the degree examination.