

BGE-M3 bi encoder + cross encoder	Vietnamese Query -- English Context				
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.282	Acc1: 0.440	Acc1: 0.460		
	Acc5: 0.517	Acc5: 0.654	Acc5: 0.680		
	Acc10: 0.612	Acc10: 0.722	Acc10: 0.758		
	MRR10: 0.381	MRR10: 0.527	MRR10: 0.548		
	English Query -- Vietnamese Context				
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.309	Acc1: 0.434	Acc1: 0.426		
	Acc5: 0.520	Acc5: 0.632	Acc5: 0.638		
	Acc10: 0.591	Acc10: 0.708	Acc10: 0.716		
	MRR10: 0.397	MRR10: 0.518	MRR10: 0.515		
	English Query -- English Context				
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.365	Acc1: 0.496	Acc1: 0.490		
	Acc5: 0.561	Acc5: 0.652	Acc5: 0.656		
	Acc10: 0.639	Acc10: 0.720	Acc10: 0.738		
	MRR10: 0.448	MRR10: 0.563	MRR10: 0.562		
	Vietnamese Query -- Vietnamese Context				
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.479	Acc1: 0.564	Acc1: 0.568		
	Acc5: 0.634	Acc5: 0.742	Acc5: 0.744		
	Acc10: 0.732	Acc10: 0.812	Acc10: 0.822		
	MRR10: 0.548	MRR10: 0.642	MRR10: 0.646		
xlm-roberta-base bi encoder	Vietnamese Query -- English Context				
	Base line	No distill	Self distill output	distill output with bge	Transformer distill with bge
	Acc1: 0.003	Acc1: 0.075	Acc1: 0.081	Acc1: 0.077	Acc1: 0.085
	Acc5: 0.014	Acc5: 0.184	Acc5: 0.184	Acc5: 0.182	Acc5: 0.203
	Acc10: 0.037	Acc10: 0.251	Acc10: 0.243	Acc10: 0.242	Acc10: 0.284
	MRR10: 0.009	MRR10: 0.121	MRR10: 0.125	MRR10: 0.123	MRR10: 0.138
	English Query -- Vietnamese Context				
	Base line	Fine tune no distill	Self distill output	distill output with bge	Transformer distill with bge
	Acc1: 0.024	Acc1: 0.079	Acc1: 0.089	Acc1: 0.090	Acc1: 0.089
	Acc5: 0.062	Acc5: 0.169	Acc5: 0.193	Acc5: 0.189	Acc5: 0.205
	Acc10: 0.095	Acc10: 0.235	Acc10: 0.254	Acc10: 0.245	Acc10: 0.268
	MRR10: 0.040	MRR10: 0.119	MRR10: 0.119	MRR10: 0.132	MRR10: 0.139
	English Query -- English Context				
	Base line	Fine tune no distill	Self distill output	distill output with bge	Transformer distill with bge
	Acc1: 0.031	Acc1: 0.101	Acc1: 0.114	Acc1: 0.114	Acc1: 0.117
	Acc5: 0.062	Acc5: 0.206	Acc5: 0.220	Acc5: 0.218	Acc5: 0.248
	Acc10: 0.094	Acc10: 0.279	Acc10: 0.282	Acc10: 0.279	Acc10: 0.320
	MRR10: 0.046	MRR10: 0.147	MRR10: 0.160	MRR10: 0.160	MRR10: 0.175
	Vietnamese Query -- Vietnamese Context				
	Base line	Fine tune no distill	Self distill output	distill output with bge	Transformer distill
	Acc1: 0.038	Acc1: 0.158	Acc1: 0.162	Acc1: 0.177	Acc1: 0.189
	Acc5: 0.103	Acc5: 0.301	Acc5: 0.309	Acc5: 0.317	Acc5: 0.339
	Acc10: 0.121	Acc10: 0.366	Acc10: 0.362	Acc10: 0.394	Acc10: 0.417
	MRR10: 0.062	MRR10: 0.218	MRR10: 0.223	MRR10: 0.240	MRR10: 0.254