



KLUSTER PENYELIDIKAN

Program ini mesti **melibatkan minimum tiga (3) projek** di bawah kluster yang berbeza dari **institusi yang sama**.

1. Sains Tulen (Pure Science)
2. Sains Gunaan (Applied Science)
3. Teknologi dan Kejuruteraan (Technology and Engineering)
4. Sains Kesihatan dan Klinikal (Clinical and Health Sciences)
5. Sains Sosial (Social Sciences)
6. Sastera dan Sastera Ikhtisas (Arts and Applied Arts)
7. Sains Tabii dan Warisan Negara (Natural Sciences and National Heritage)
8. Teknologi Maklumat dan Komunikasi (Information and Communication Technology)

Cluster & Sub-clusters

Cluster	Sub Clusters			
1. Pure Science	Chemistry	Physic	Biology	Geology
	Biochemistry	Material Science	Mathematics Statistic	
2. Applied Science	Chemistry	Physic	Biology	Geosciences
	Mathematics and Statistic	Biotechnology	Materials Science	
3. Technology and Engineering	Mechanical & Manufacturing	Electrical and Electronic	Civil & Structural	Green Technology
	Material and Polymer	Chemical & Processing	Energy	
	Infrastructure and Transportation	Construction and Construction Materials	Aerospace	
4. Clinical and Health Sciences	Basic Medical Sciences	Surgery	Community Medicine	Health Science
	Clinical Studies	Oncology	Preventive Medicine	Dental
	Medical Microbiology	Nursing	Parasitology	Pathology
	Pharmacy	Pharmacology		



Cluster & Sub-clusters

Cluster	Sub Clusters			
5. Social Sciences	Anthropology	Politic Science	Economy	Business
	Psychology	Management	Etnography	
	Sociology	Geography	Communication	
	Language and Linguistic	Philosophy	Art	
6. Arts and Applied Arts	Literature	Civilization	Culture	
	Religion	History	Education	
	Policies and Law	Built Environment	Environment	

Cluster & Sub-clusters

Cluster	Sub Clusters			
7. Natural Sciences and National Heritage	Environment	Forestry	Agriculture	Culinary
	Marine	Archaeology	Geoscience	
	Ethnography	Built Environment	Culture	
	Alternative Medicine	Biodiversity	Tourism	
8. Information and Communication Technology	Software	Artificial Intelligence	Computer Networks	
	Information System	Theory of computation	Hardware Design	