LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DEM
Jabatan *Department*	KEJURUTERAAN MEKANIKAL
Semester/ Tahun *Semester/ Year*	LIMA
Tajuk Projek *Project Title*	LAKE BIN
Jenis Projek *Type of Project*	INOVASI
Kategori Kluster Penyelidikan *Category/ research Cluster*	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan *Group member*	1. GAUTHAM PILLAI A/L SELVARAJU PILLAI 980903016641 2. GOH JIA XUEN 990223017631 3. YEOW SZE XIN 990708045374 4. 5.
Penyelia *Supervisor*	ROSMAWATI BINTI JALAL 790425086604
Penyelia Bersama *Co-Supervisor*	
Abstrak *Abstract*	This project came out with an idea of creating 'Lake Bin' that can clean or dispose the debris form the lake. This will reduce the water pollution and also dangerous disease. Hope we will make this project real and useful. A literature review is a text of a scholarly paper, which includes the current knowledge including substantive findings as well as theoretical and methodological contributions to a particular topic.In conclusion, we have to introduce 'Lake Bin' with output petrol engine water pump1.25KW and with water level sensor float switch. Besides, might able to know the importance of the systems of why should have in every water bodies. In addition, the pump will suck the debris from the lake and it will be separated into 2 system such as the debris will go to the catch

	bag and the dirty water goes to the bin. Next, the dirty water will start the cleaning process by the water pump. This project uses least man power and also get perfect clean lake.
Keyword *Keyword* (max 5 word)	Clean the debris in the lake
Objektif Projek *Project Objectives*	To design and build a bin for to clean the debris in the lake.
Skop Projek *Project scope*	The scope of the project evolved into a comprehensive research, technology, and educational initiative with global interest and reach. Lake bin can produce clean water. The bin unit is a floating debris interception device designed to be in-stalled in the water of lake, ports and any water body with a clam environment and services available. The lake bin can catch an estimated 0.6Kgs of floating debris per day (depending on weather and debris volumes). The bin also can catch the shopping bags, plastic bottle, disposable cups and leaves. The dimensions of bin are H-(236mm), Dr-(246mm) and Db-(210mm)

IP No	
Dapatan *Finding* (*500 words max*)	The bin can use easily to collect the debris. The catch bag can collect 150g in 1/2 hour.
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	We are suggesting want to improvise this project to be used in larger surface area such as: pond, river and sea.
Gambar berkaitan projek *Picture related to project* (700kb)	 

Rating/Level	JABATAN	

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Borang ini perlu diisi oleh pelajar dan dihantar kepada penyelia/ penyelaras projek dalam bentuk hardcopy dan softcopy (borang LAMPIRAN J) dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek.