

Fakulti: <b>FAKULTI KEJURUTERAAN ELEKTRIK</b>	
Nama Matapelajaran: Kod Matapelajaran : SKEL 3742	Semakan : 1 Tarikh Keluaran : 2007 Pindaan Terakhir : 2007 No. Prosedur : <b>PK-UTM-FKE-(0)-10</b>



## SKEL 3742

**FAKULTI KEJURUTERAAN ELEKTRIK  
UNIVERSITI TEKNOLOGI MALAYSIA  
SKUDAI, JOHOR**

**ECED DEPARTMENT**

**ELECTROCARDIOGRAM (ECG) DETECTOR WITH  
AUDIOVISUAL OUTPUT**

### **PROBLEM PACK**

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**Problem Statement**

*You are involved in a service learning (SL) for your co-curricular activity. Your team is assigned to help educate children on the important of having a healthy heart. You need to show them in visual and audio the heart beat to make it attractive to children instead of the normal stethoscope.*

*Your design consideration should include the standard applied by international learned communities, amplification of ECG signal, filtering of ECG signal and minimal noise interference.*