

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



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.