Vacancy for Research Officer (RO) in MMU

Project Title : Self-Diagnostic-Alert Secure Mobile Electrocardiogram System for Tele-Healthcare

Project Funding : eScienceFund (MOSTI)

Project Duration : 24 months

Monthly Salary : RM1500.00 – RM2000.00

Date of Commencement : June 2012

Location : Faculty of Engineering, Multimedia University, Cyberjaya, Selangor

Objectives :
1. To assess the application of detrended fluctuation analysis (DFA) method as a standard clinical ECG analysis method;
2. To design and develop a low cost and self-diagnostic-alert mobile ECG system; and
3. To incorporate watermarking, cryptography and privacy enhancing techniques into the developed ECG system for patient ECG data security and authentication.

No. of ROs needed : Two (One RO to be in charge of hardware module (denoted RO_{HW}), and the other RO to be in charge of software module (denoted RO_{SW})).

Responsibilities:
• Collaborate with project leader in achieving project deliverables.
• Coordinate and plan research schedule and strategies.
• Provide technical input and knowledge in implementing research components.
• Prepare technical documentations and scientific articles.
• Enroll in Multimedia University’s Masters by Research (M.Eng.Sc.) programme.

Requirements:
• Bachelor’s degree (2nd Class and above) in Engineering or Computer Science (e.g. Computer, Electronics, Electrical, Telecommunication, Information Security).
• Familiar with programming languages such as Embedded C (RO_{HW}).
• Familiar with programming languages such as C/ C++/ Java (RO_{SW}).
• Knowledge in Wireless Communication and Hardware Design is an added advantage (RO_{HW}).
• Knowledge in Computer Security and Signal Processing is an added advantage (RO_{SW}).
• Good command of English.

Interested candidates are encouraged to submit their resumes via email to:

Mr. Ling Huo Chong
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Tel.: +603 – 8312 5388, Email: hcling@mmu.edu.my

Only shortlisted candidates will be notified for an interview session.