1. The title of your project :
    a. **<u>The Development and Usefulness of Rapid Epidemiological Notification System in Determining the Notifiable Infectious Diseases in HUSM</u>**
2. your name/address/email

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3. Who do you think could join you [from other schools --eg chemical engineer, computer expert etc] in your research
    a. School of Computer
    b. School of Humanities
4. What is the objective
    a. To develop a rapid almost real time notification system based on the "Notifikasi Penyakit Berjangkit yang Perlu Dilaporkan" or health 1 Rev form from Ministry of Health Malaysia
    b. To determine the usefulness of the rapid almost real time notification system developed in terms of mean days of notification done and the time of contact tracing done
    c. To determine the characteristics of notifiable infectious diseases managed and treated in Hospiatal Universiti Sains Malaysia (HUSM) from January 2009 to December 2009

5. Brief methodology/design
    a. Type : Cross-sectional study
    b. Study duration : January 2009 – December 2009
    c. Software development :
        i. Source : Open Source
        ii. Model : based on 'Notifikasi Penyakit Berjangkit yang Perlu Dilaporkan" form developed by Ministry of Health Malaysia
        iii. Data : web-based and client-based
        iv. Prototype : will be known as "Rapid Epidemiological Notification System" or "RENS"
        v. Fields : 70-80 fields or variables
    d. Source of data
        i. Records of patients from Unit Rekod admitted during study duration
    e. Inclusion criteria
        i. All patients diagnosed with notifiable infectious diseases based on on 'Notifikasi Penyakit Berjangkit yang Perlu Dilaporkan" form developed by Ministry of Health Malaysia in HUSM

ii. All patients diagnosed with notifiable infectious diseases based on on 'Notifikasi Penyakit Berjangkit yang Perlu Dilaporkan" form developed by Ministry of Health Malaysia refered to HUSM

f. Statistics
    i. Data entry : "Rapid Epidemiological Notification System" or "RENS"
    ii. Data transfer : data need to be transferred automatically from RENS to statistical software such as SPSS or Stata using text-based format
    iii. Data analysis:
        1. Descritptive
        2. Inferential

6. The outcome of the projects [ie the usefulness of the products]
    a. RENS provide a minimum error of notification
    b. RENS will replace the manual notification system
    c. RENS will enable epidemiologist and ID physicians to have almost real time data of possible outbreak
    d. RENS will enhance emergency preparedness in dealing with infectious diseases
    e. RENS will be cheap but reliable compared to Window-based software
    f. RENS can be implemented in all KKM hospitals and even in private hospitals