

# Healthcare Call-for-Collaboration

Improving Healthcare Quality and Efficiency  
Through Innovative Use of ICT



Temasek Polytechnic  
School of Engineering

by Barnabas Woon  
29 October 2007



**TEMASEK**  
POLYTECHNIC





# Key Strength in Healthcare, Technology / Product Roadmap

- Brief introduction
  - Temasek Polytechnic is an Institute of Higher Learning in Singapore
  - Competency Units for the purpose of :
    - Training our students in the areas of Engineering and IT, emphasizing innovation, problem-based learning and a practical hands-on approach
    - providing R&D facilities to co-develop projects with corporate companies
- Key Strengths
  - Multiple Device Communication System
  - Mobile/Wireless Solutions
  - Web Services
  - RFID Solutions
  - Instant messaging solution
  - Gaming (Strategic, RPG, Network)
- Current KEY reference site/user
  - Participated in Connecting the Communities Call For Collaboration in 2004
  - Participated in Healthcare Call For Collaboration in 2005
  - Collaborated with a consortium for the Future School Call For Collaboration in 2007



# Potential Collaboration Areas / Projects to explore under CFC

- Sensing technologies (eg RFID, WIFI) for patient care, eg patient temperature charting, patient or equipment tracking
- Automated Wireless Vital Signs Monitoring
- Home Care Patient Monitoring
- Enhancing Patient Safety Solutions through the use of barcode, RFID, biometric, smart cards, robotics, mobile devices to improve the safety and effectiveness of healthcare
- SMS/MMS/3G Applications
- Game development



# Potential complementary companies sought

- Healthcare monitoring equipment manufacturers
- Clinical results processing and diagnosis
- System Integrators

## ■ Contact Person :

- Steven Tan
- ✉ kokseng.tp.edu.sg
- ☎ 67805419

## ■ Contact Person :

- Barnabas Woon
- ✉ weiyuann@tp.edu.sg
- ☎ 67806495

## ■ Contact Person :

- Kwan Eng Eng
- ✉ engeng@tp.edu.sg
- ☎ 67805893