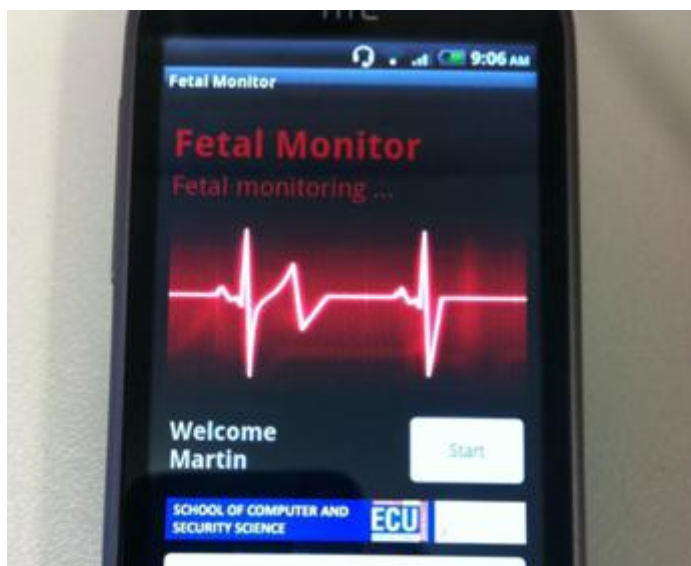


This Technology is available under licence for **Free**.

Improving access to prenatal care by designing an affordable, portable fetal monitor that expectant mothers can use to check for signs of fetal distress and relay vital information to healthcare professionals

The application involves a smart phone, a portable Doppler ultrasound device, a remote back-end server and network connectivity provided by the smart phone through means such as the mobile phone network, WiFi, or satellite. Algorithms for the fetal heart rate detection were adapted to cater for the lower processing powers on the smart phone. The accuracy of the detection algorithm in the mobile application was evaluated and found to be highly comparable to that of a matlab implementation on a PC.



Key Benefits

- Inexpensive & easy to use
- At-home monitoring of pregnancies
- Relate information to health professionals faster to get early intervention

Applications

- Remote and rural communities
- Portable and communication via network

Commercial Opportunity

This technology is available for **FREE** as an Easy Access Licence to companies and individuals.

Contact us

For more information on this technology please contact us at: easyaccessip@ecu.edu.au

