CCT

CENTRE FOR COMMUNITY TECHNOLOGIES

























Overview of the Center for Community Technologies

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Director Center for Community Technologies

Nelson Mandela Metropolitan University





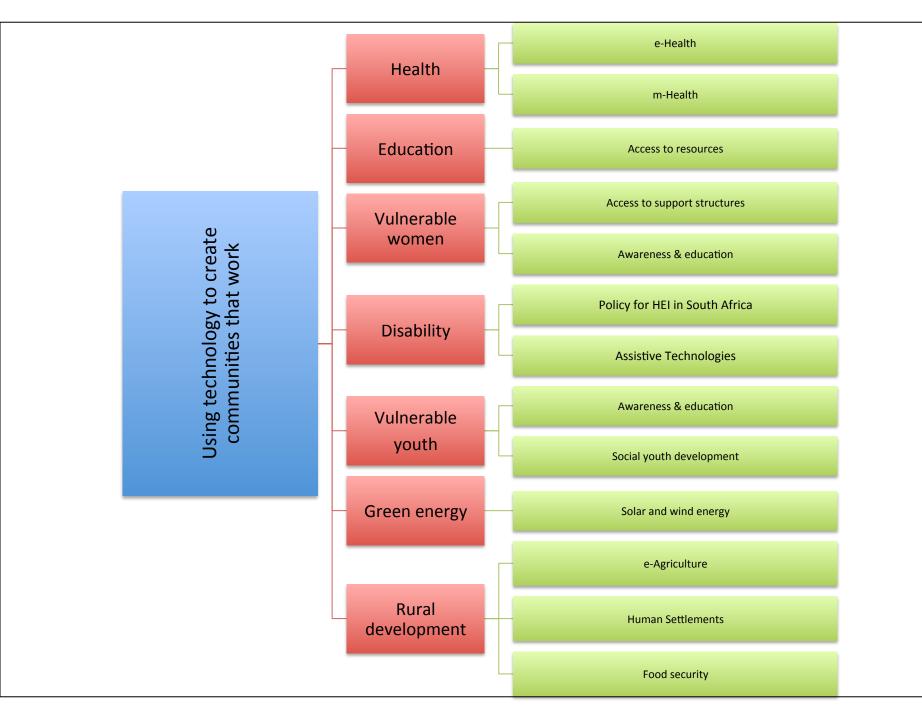






The main purpose of the Centre is to promote radical development of the human potential of particularly disadvantaged communities through the use of technologies across all disciplines.

- The core activities of the Center include but are not limited to:
 - Technology Research and Development;
 - Training and mentorship;
 - Networking between technology partners and community groups;
 - Policy analysis and policy advice.













School Health Screening App

Partners:

National Department of Science and Technology National Department of Basic Education National Department of Health







HEALTH SCREENER







20

Register new pupil





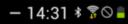












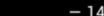


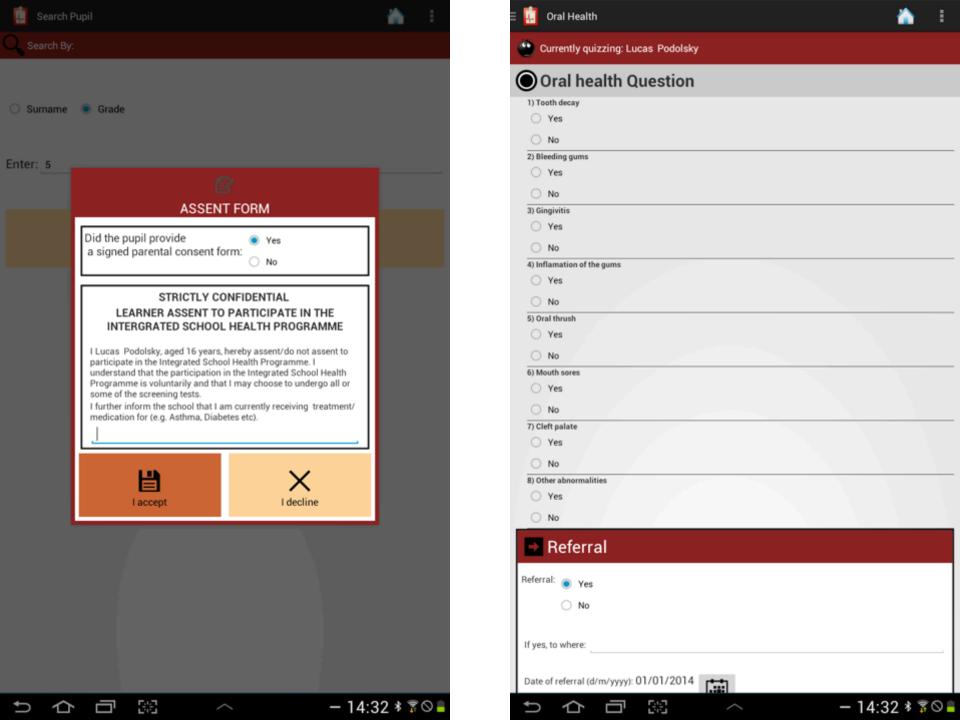














Mobile Hearing Screening App

Collaboration with University of Pretoria, Department of Audiology







Mobile Registration Device

Finalist in SAB Innovation Competition

Potential partners: DST and MRC











Beneficiaries

- 21 m people geographically challenged
- Aging population
- Vulnerable groups dependent on social grants and public healthcare











Progress to date:

- Solar-powered tablet developed and approved by SABS and ICASA.
- App prototype evaluated by users.
- App ready to go live for first trials within 6 weeks.







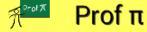


Mobile App to support Maths

Partners:

University of Pretoria, DBE and DoE, Schools in Eastern Cape





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moment.

Prof π: You have been linked with somebody to help you. All conversations are recorded for security, quality, and research purposes.

Prof π: how can i help with math today

laurie pi: trig pls

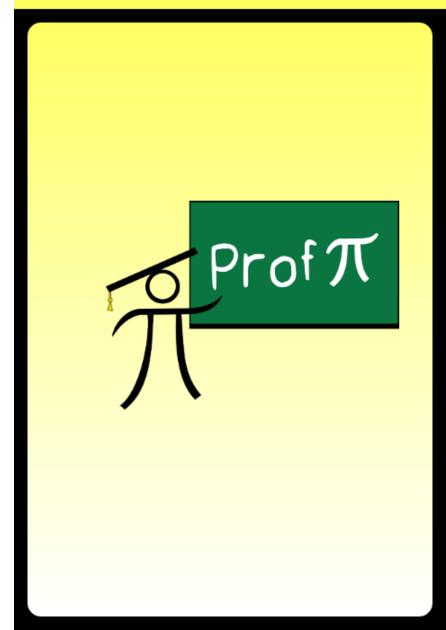
Prof π : sure what is your problem

type in your message





Prof π





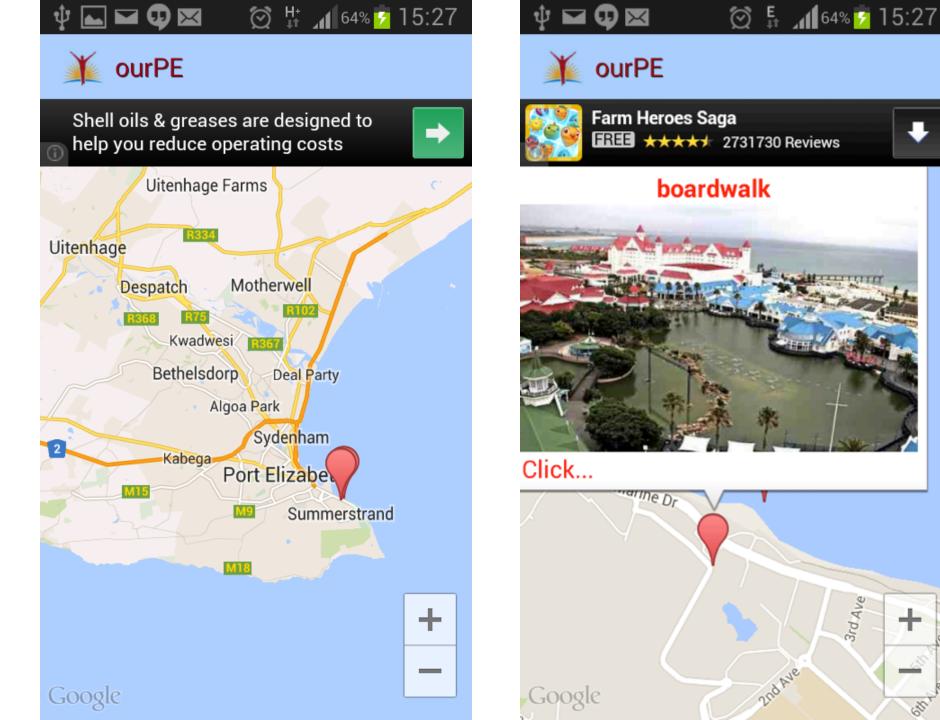






My City – Tourism App

Nelson Mandela Bay Tourism







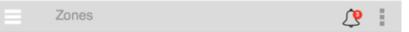




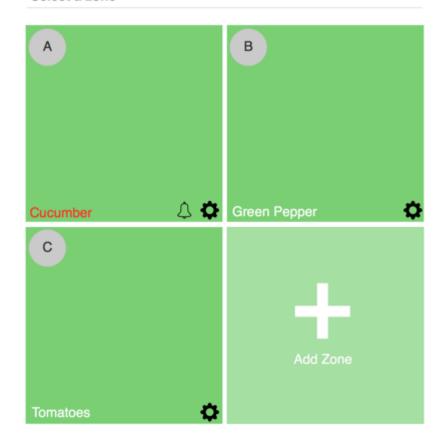


E-Agriculture

Mobile Monitoring of Hydroponic Farms in collaboration with Fraunhofer Research Institute in Portugal



Select a zone





Configure Tunnel

Temperature: 29°C

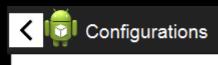
Humidity: 90% RH

Water receive in the bag: 500ml

Water out of the bag: 300ml

pH: 5.5

Electrical Conductivity (EC) : 2.3 μ s



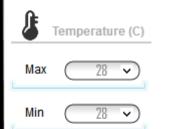








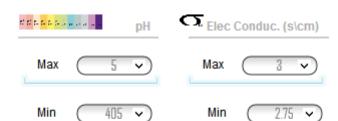
Greenhouse 1

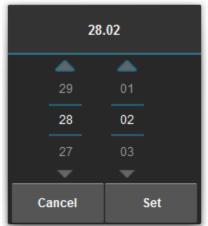
































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