Civic Technology Design

Insights from South-South Research Collaboration

1st International Conference on Electrical, Communication and Computer Engineering (ICECCE-2019)
July 25, 2019 Swat Serina Hotel Pakistan
Technology Touching Lives

Trans-disciplinary
Translational
Community-based
Research Engagement

Projects

- Service Learning
- Technopreneurship and Training
- Energy Needs and Use
- Indigenous Language Documentation
- Communication Skills Development
- Climate Change
- Indigenous Knowledge Management
- Vulnerability, Resilience and Learning from Climate Shocks
- Preferences for Electricity Services
- e-Commerce for Penan

- Cambridge Accessible Test
- Documentation of Indigenous Penan Language
- eToro: Indigenous Botanical Knowledge Management
- Oroo’ Language Digitisation
- Dynamics of Respectful Design in Co-creative and Co-reflective Encounters with Indigenous Communities

- UNICOR, UNIMAS and Cornell University Global Citizenship Program
- UNIMAS and UCTS Service Learning Program
- Responsible Rural Innovation (RRI)
- TIED
- CONNECTS
- DEDT
- Responsible Rural Innovation (RRI)
Technopreneurship, Innovation and Enterprise Development (TIED)
Oroo' Language Digitization

Documentation
Oroo' Treasure Hunt
Oroo' Tangibles
PO-SMS
Takeaway: Research making an impact

Research
- Dev’t Agents & ICT
- Activists
- Dev’t & Testing
- Hypothesis
- Publications
- Citations
- Awards

Development & Commercialisation
- Application & Replication in other Sites
- Techniques Tools
- Training
- Standardisation

Policy Research & Development
- Success stories to influence Policy Makers
- Ecosystem: Multi-stakeholder trans-disciplinary
Takeaway: Research Collaboration for win-win situation

- **Social**
  - Capacity Building
  - Garen and Franklin

- **Cultural**
  - Identity
    - Indigenous Persona
    - Media-BBC

- **Economic**
  - Tourism
  - Handicraft
Takeaway: Research Collaboration for win-win situation
Takeaway: Research Collaboration for win-win situation
Takeaway: Design in the wild
Thank You