

School of Computing and Informatics Research

School of Computing & Informatics has endeared itself to the vision of being a leading centre of excellence in research, research and development (R&D) and advanced education in computing; addressing national and regional needs for information and communications technology and product development.

Research at the [School of Computing & Informatics](#) aims to develop innovative solutions to the country's and region's daunting challenges. These are geared towards addressing the Education needs of tomorrow (eLearning & mLearning), Agriculture (mAgric), Health (eHealth & mHealth, Bioinformatics), Financial Inclusion (Mobile Money), Natural Language Processing, Telecommunication, etc.

SCI's research efforts are enhanced through [collaborations](#) with leading research institutes and consortia globally.

The SCI Research works are executed through the [C4D Lab](#) based within the [School](#).

All these have been encapsulated under seven (7) main [Research Thematic Areas](#) as enumerated below:

1. E-governance

Sub-themes: Open source, Mobile governance, Policy, Privacy, Innovative delivery of e-Gov services, modeling/simulation of infrastructure requirements (to match demand), Usability, etc.

2. Mobile Financial Services

Sub-themes: Financial inclusion, Policy and regulation, Security, Product development

3. ICT for development (ICT4D)

Sub-themes: ICT and Health / Health Informatics, ICT and Agriculture, ICT and Poverty, ICT and MSMEs, Policy for ICT4D

4. Human Language Technology (HLT)

Sub-themes: Language Resources, Novel Evaluation Methods, -Machine Learning for Language Processing, Spoken Language Processing, Machine Translation, Text Mining, Sentiment Analysis and Opinion Mining, HLT related policies

5. Technology Supported Learning

Sub-themes: Adoption, Learning support, Methodologies for design and development,

Policy issues, Quality issues, Impact assessment/ evaluation of e- and m-learning

Evaluation of learning, Collaborative learning and online learning communities

Corporate learning, E-Learning analytics, ICT in education management, Sustainability

Infrastructure issues, m-learning and e-learning for development

6. Distributed Systems and Networks

Sub-themes: Web-based technologies and applications, Service-based technologies and applications, Grid computing, Cloud Computing, Computer communications and Networking, Wireless Networks, Security, Internet and Web Technologies

7. E-science

Sub-themes: Bioinformatics, Health Informatics