

### **3.1. Information Technology and Computing**

Globalization and technological changes have accelerated in tandem over the past several years and have created a new global economy “powered by technology, fueled by information and driven by knowledge.” The emergence of this new global economy has serious implications for the nature and purpose of communities, societies and organizations specifically education institutes. Information and communications technologies (ICTs) have been touted as potentially powerful enabling tools for educational changes and reform. ICTs can play an integration role with four operational missions of higher institutions (learning-teaching, research and innovation, community engagement and administrations). To address the problem of societies through well developed and managed ICT application and services; the main focus areas of ressearch are:

- Developing a knowledge organization, structures, systems and services
- Development and applications of statistical methods in any fields
- Development and applications of ICT services and softwares in any fields