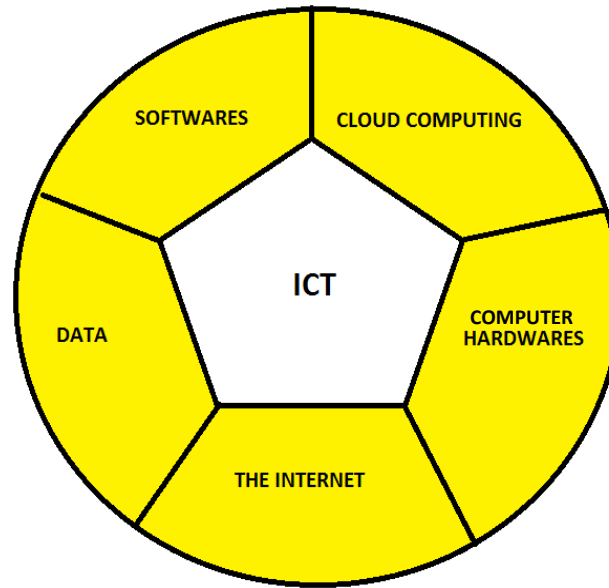




## Adoption of ICT Usage in Partnership with the Ministry of Education and Sports

ICT stands for Information and Communication Technology, which generally refers to the infrastructure and components that allow people and organizations to interact in the digital world.

### A WHEEL ILLUSTRATION OF THE ICT COMPONENTS AND INFRASTRUCTURE



Adoption and usage of ICT in any school is built upon an understanding of the link between the two broad categories: ICT for Education and ICT in Education. ICT for education refers to the set of technological tools and resources used specifically for teaching and learning purposes, while the ICT in education involves the adoption and practical usage of ICT tools and resources in the day-to-day teaching and learning process for effective communication and information management. The two categories use the same ICT infrastructure with different applications.

The three main dimensions of ICT in Uganda's education sector are;

1. ICT as an academic subject, (examinable by UNEB)
2. ICT as a teaching and learning tool (for Maths, English, Science etc., including online learning to support any subject area or topic)
3. ICT as a service (e-system for e-school administration and e-information management)

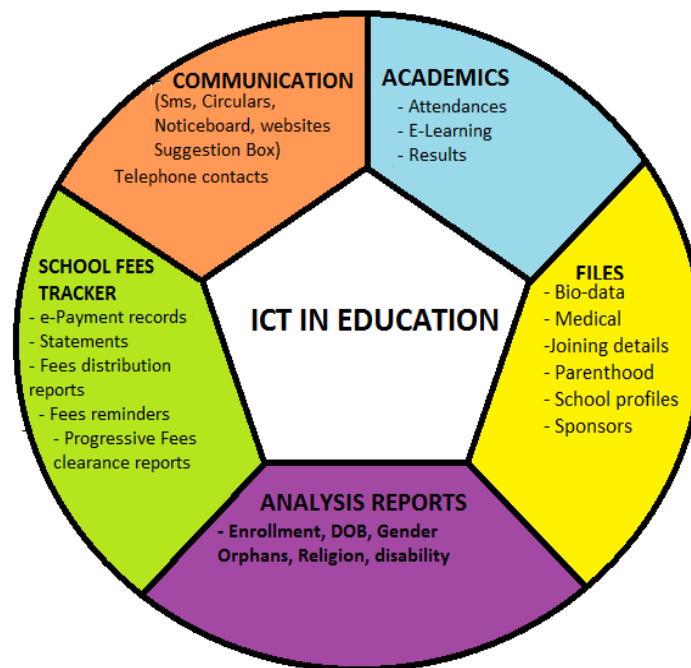
The 3<sup>rd</sup> dimension involves the adoption and practical usage of ICT tools by all school stakeholders in the day-to-day teaching and learning process. This facilitates simple access and synchronization of information across all school stakeholders such as parents, learners, teachers, UNEB etc, depending on user-access-rights.



In the process of promoting the adoption and use of ICT in the education sector, the Government of the Republic of Uganda through the Ministry of Education and Sports entered into a Memorandum of Understanding (MoU) with Dotsaidia Systems (U) Ltd to implement and maintain the National School Management and Information System called dotShule®.

dotShule® is a Teacher-Parent-Learner ICT program used by all staff members to capture, store, process and disseminate school information to all stakeholders following the administrative structures of a given school. The program enables teachers to adopt and effectively use ICT to improve on productivity and efficiency in school routines. It is compatible with different teacher, parent and student devices (smart phones, tablets, laptops, desktops etc) both inside and outside the school infrastructure to provide a flexible, scalable, cost effective model that does not tie the school to outdated infrastructure or application investments. All system updates are done centrally to meet rapidly changing educational ICT requirements in support of today's and tomorrow's emerging technologies. It also improves on learners discipline and performance through providing of real-time attendance, behavior and other statistical reports to the school administrators and parents with alerts on a learner.

#### A WHEEL ILLUSTRATION OF THE dotShule® PROGRAM/ICT IN EDUCATION



dotShule® is an interactive program for all connected users. To effect system interaction, a unique ID number (dotShule® account) is assigned to every stakeholder including parents through which the learner's profile and progress is tracked. It is through this account that learners can access the e-learning platform embedded in the system anytime be it during holidays thus supporting effective and efficient educational outcomes. All users are managed by the school administration through access rights.