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Undergraduate Projects Utilization from Early Years

In Kenya, most undergraduate degrees run for a period of between 3 to 5 years with the majority of the programmes being 4 years. This is a similar case at Strathmore University. Nearly all undergraduate programmes run for years. Within this period of study, students studying programmes related to Information Technology at Strathmore university do semester projects in the second and the final years. The second-year project is more of a prototyped while in the fourth year, students implement projects utilizable in the community.

Therefore, with this setup of the programmes in Information technology, we propose an idea where students work on projects dealing with sustainability for three years (second to the final years) while studying. In the second year, they will develop a prototype of their project, in the third year, they will gather more data and interact with the different stakeholders at their pace and then in their fourth year, they will implement their solution in the community. Some of the study areas students tackle using information technology include but not limited to waste collection and disposal, agriculture and food security, water utilization and management e.t.c. This idea is at the test stage and we expect to measure its first outcomes by the end of the next year 2022.

I am looking forward to joining both the ICED21 Conference and the AFRICA-DESIGN workshop with a particular interest in matters of computing sustainability.