# **ABSTRACT**

challenge driven education (CDE) is a new education method which intends to enable students to identify problems in the communities and find concrete solutions, Aimed at enhancing a scalable working skills such as problem solving and team collaboration skills, globally it started in Sweden at KHT Royal Institute of Technology School of Engineering and Management and later spread to different countries include Tanzania in different universities including University of Dar es Salaam at college of information and communication technology (COICT),

Along of good work done by CDE in college of information and communication technology (COICT) there is no platform for an awareness of CDE, also there is no place to keep their records of their projects, visitors, sponsors, events done in CDE as well as area for suggestions, feedbacks or complaints for external organization and students, Currently they still use the paperwork and social media to conduct their process which is tradition way of doing management process,

So in this age of science and technology a development of web based application is needed so as to keep track all CDE processes, the system module is made of the combination of three modules which work with collaboration with each other and make it beneficial to accomplish the main scheme, firstly the system offer management of student reports, events, storage for projects, news as well as formulating a team for CDE students, Secondly provide the chance for the customer to register their complaints and give suggestions about the service provided at CDE, Also, the students who participate in this Organization they can register their complaint and give suggestions due to dissatisfaction or improvement of this organization therefore the CDE coordinator should be aware of the complaints and suggestions received and act to ensure a timely resolution, lastly system provide means that will keep records of those organizations or ordinary people visiting the CDE organization in order to express their challenges or others may be partners for future use. By having an interface of registering visitors or customers that will directly the details in a database for easy accessibility once when that information in needed. Also, this module will provide a number of visitors per throughout the year as the measure of the organization for its contribution to solve a certain problems.