Grid Computing For Collaborative Research Systems In Kenyan Universities.(2017)

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ABSTRACT
Grid computing technologies have the potential of providing universities in this country with opportunities and mechanisms to utilize a wide range of heterogeneous, distributed resources for computational and data-intensive applications, and provide an avenue to heterogeneous collaborative research platforms that can be accessed by different hardware and software platforms. The objective of this paper was to find out which technologies are being used to support collaborative research and further investigate the opportunities, benefits provided by grid technologies in universities as well as the challenges faced. The study is carried out through an examination of reports and academic documents from universities in Kenya scientific research papers in journals and conference proceedings, and from online journals and. The paper concludes that there are many benefits of using gridtechnologies in collaborative research systems and therefore encourages researchers in universities of developing countries to consider utilizing these technologies since many universities are ready and willing to automate and integrate most of their systems that support research.

Keywords- Grid computing, Collaborative research, Universities
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