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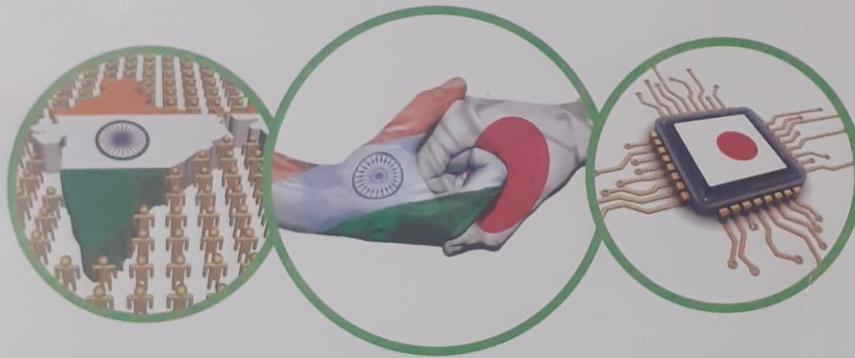
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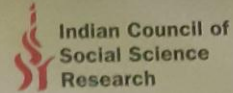
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SUSTAINABLE DEVELOPMENT

Sustainable Development in Computing Technologies for Business World
Department of Commerce & Management and Information Technology
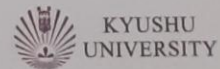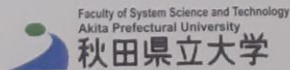

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Volume-I

SUSTAINABLE DEVELOPMENT

Sustainable Development in
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November 26, 2018

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Environment and Technology: A eco-techno balance for a better tomorrow

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Abstract:

Modern day technologies like Big Data not only deals with capturing data, but it is also responsible for data storage, data analysis, searching, sharing and firing customized queries to obtain expected results. Thus, the enormous data which is produced in day to day operations can now be processed and could be added some value in it. This data can be used to analyse the human behaviour and predictive analysis. But, while dealing with such volume of data, the security should be a priority. Data breach can cause huge financial losses to an organization and also affect the political landscape of a country or may turn two friendly nations into bitter foes. Therefore, data security should be implemented with multiple security layers in the form of encrypted algorithms, biometric and retina scan security. Only then one can ensure the safety of valuable data. Data storage consumes a great deal of computer hardware, resulting in many toxic gases harmful for the human body. Green ICT deals with reducing the impacts of Information and Communication technologies on the environment by using various methods such as using 100% biodegradable material, sustainable batteries and biofuel. Technology can be used for the betterment of human life, but we should also be prepared to face the consequences of excessive development. If the damages to the environment by human activities are ignored today, we might not have a better tomorrow.

Keywords: *data analysis, queries, data breach, biodegradable,*

Introduction:

Technology is developing in leaps and bounds in modern day world, making life easier in every sense for humans. But this technology also has far reaching and everlasting effects on the environment, which are irreversible. Technology is dynamic and with every updates it has impact on the energy conservation. The non-renewable energy resources are fast depleting and to satisfy the ever increasing need of development, new alternatives need to be implemented. Green computing consists of methods for implementation of technologies that are energy efficient and minimization of computer wastage. The prime focus lies in increasing the processing capabilities without any additional pressure on the environment. Power management options like putting computers in sleep mode, not using the screensavers, using energy efficient hardware, monitoring the system power usage tools for efficiency are the simplest solutions that can be implemented at an individual level. Technologies like cloud computing allows sharing of processors and resources, no additional maintenance and low cost of implementation. Smart building design allows efficient energy usage

DAY-1

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DAY-3

Department of Social Sciences & Law
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