1. Motivation of the research.

2. Significance of the research.

3. Body of knowledge incorporated in the research.

4. Intellectual contribution in the research.

5. Future direction of this research.

1. Big data using cloud computing
2. Motivation of the research.

The characteristics of big data present data storage and data analysis challenges to businesses.

1. Significance of the research.

A cloud services provider can furnish the necessary storage space for substantially lower costs.

The processing needs can be met by cloud-service providers.

1. Body of knowledge incorporated in the research.

As related to big data, PaaS provides companies a platform for developing and using custom applications needed to analyze large quantities of unstructured data at a low cost and low risk in a secure environment.

1. Intellectual contribution in the research.

Common deployment models for cloud computing include platform as a service (PaaS), software as a service (SaaS), infrastructure as a service (IaaS), and hardware as a service (HaaS).

Cloud deployment solutions can provide services that businesses would otherwise not be able to afford.

5. Future direction of this research.

The major concerns regarding cloud computing are security and loss of control company’s big data is transferred to the cloud service provider.

Big data entails a huge commitment of hardware and processing resources, making adoption costs of big data technology prohibitive to small and medium sized businesses. Cloud computing offers the promise of big data implementation to small and medium sized businesses.

Three major reasons for small to medium sized businesses to use cloud computing for big

data technology implementation are hardware cost reduction, processing cost reduction, and

ability to test the value of big data. The major concerns regarding cloud computing are security and loss of control.

1. Big Data and Cloud Computing: Current State and Future Opportunities

the state-of-the-art systems for scalable data management and analysis.