**Machine Learning Project Activity – II**

**Detailed Problem Definition**

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1. **Detailed Problem Definition:**

* **Resource allocation mechanism is not efficient**
* **Quality of Service lacks in satisfaction level of consumer**
* **100% Guaranteed Service-Level-Agreement to the trusted consumer**

1. **Reference paper List**

* **Ardagna, Danilo, et al. "Quality-of-service in cloud computing: modeling techniques and their applications." Journal of Internet Services and Applications 5.1 (2014): 1-17.**
* **Fernando, Niroshinie, Seng W. Loke, and Wenny Rahayu. "Mobile cloud computing: A survey." *Future Generation Computer Systems* 29.1 (2013): 84-106.**
* **Liu, Qingfeng, et al. "An optimized solution for mobile environment using mobile cloud computing." *Wireless Communications, Networking and Mobile Computing, 2009. WiCom'09. 5th International Conference on*. IEEE, 2009.**
* **Dinh, Hoang T., et al. "A survey of mobile cloud computing: architecture, applications, and approaches." *Wire less communications and mobile computing* 13.18 (2013): 1587-1611.**
* **4, Gupta, Pragya, and Sudha Gupta. "Mobile cloud computing: the future of cloud." *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering* 1.3 (2012): 134-145.**
* **Prasad, M. Rajendra, Jayadev Gyani, and P. R. K. Murti. "Mobile cloud computing: implications and challenges." *Journal of Information Engineering and Applications* 2.7 (2012): 7-15.**
* **Chaeikar, Shojae. "A Prospective Study of Mobile Cloud Computing." (2013).**

1. **Motivation and introduction to the problem**

* **Scalability: Data and application resources can be quickly provisioned when and where you need them**
* **Availability: With the right**[**cloud provider**](https://www.expedient.com/cloud-computing/)**, you can ensure your resources remain continuously available and always secure**
* **Less Maintenance:  Hardware, applications and bandwidth are managed by the provider**
* **Expert service: At Expedient, our**[**cloud computing services**](https://www.expedient.com/cloud-computing/)**are continuously monitored and maintained by our onsite staff of expert data center technicians.**

1. **i. What to learn?**

* **Various metrics that determine the Quality-of-Service and also which determine the satisfaction level of consumer**
* **Make decision on which metrics to be improved and to have various choice based on the result**

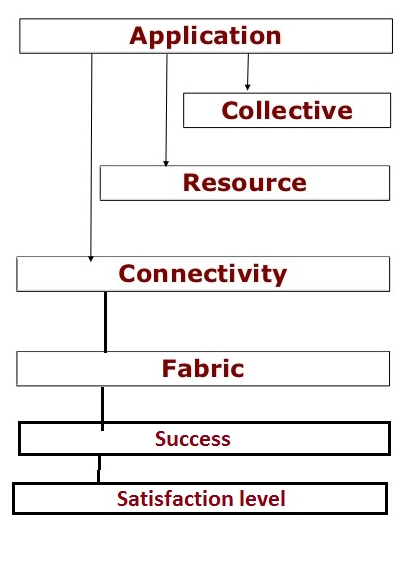
**ii. What is the input? What is the type of input data?**

* **Data set containing the feedback of the consumer**
* **Data set containing the Quality-of-service metrics measurable in various cloud system**

**iii. What is the output?**

* **Decision that improve the efficiency and the consumer satisfaction level**

1. **Version 0 – block diagram**

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