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| I N D O R E |  | Medi-Caps Institute of Technology & Management  **A. B. Road, Pigdambar, Rau, Indore – 453331** |

**CERTIFICATE**

This is to certify that

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have completed their Major Project work titled “Clouds over Cloud Computing” as per the syllabus and have submitted a satisfactory report on this project as a part of fulfillment towards the degree of Bachelor of Engineering in Computer Science & Engineering from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.

Ms. Swati Kabra

**Project Co-ordinator External Examiner**

Dr. C.S. Satsangi Dr. Sunil K. Somani

HOD Incharge Director

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**Declaration**

We hereby declare that the submission of the project work entitled Clouds over Cloud Computing, is our own work carried out during the course of our study and it contains no material previously published or written by another person nor which has been submitted for the award of any other degree/diploma/certificate in this University or any other University. We assert that the statements made and conclusions drawn are an outcome of the project work. We further declare that this work is purely developed and submitted by us as a part of university curriculum towards partial fulfillment for the award of the degree of Bachelor of Engineering.

Date:

Afnan Pathan

Anuj Khasgiwala

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**Acknowledgement**

No work can be claimed to be the sole possession of an individual. Since nothing is possible without the active co-operation of all the members of group as a whole, we take opportunity to express our sincere thanks to all those who have helped us in the completion of this project.

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Finally, we are thankful to all the people who are related to the project directly or

indirectly.

Regards,

Date: Afnan Pathan

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iii**Abstract**

The field of cloud computing is still in its infancy as far as implementation and usage, partly because it is heavily promoted by technology advancement and is so high resource dependent that researches in academic institutions have not had many opportunities to analyze and experiment with it. However, cloud computing arises from the IT technicians desire to add another layer of separation in processing information. Nevertheless, academia is developing in a significant presence, being able to address numerous issues. Data Security concerns are the biggest among these issues. In our report, we describe our experience and lessons learnt in checking the performance and security of the cloud using Aneka 2.0, a software platform for Cloud Computing. Security is one of the most important issues associated with the real world use to the cloud. Also, Cloud performance analysis and modeling are not easy tasks because of the complexity and large scale of the system. We aim to attain, through this report, a better understanding to the subject and to make it more reliable and secure to store confidential data through giving a solution to data security.

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