****

**SCALABLE AND SECURE INTEGRATED HEALTH DATA VIA VIRTUAL MACHINE IN THE CLOUD**

**A PROJECT REPORT**

***Submitted by***

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***in partial fulfilment for the award of the degree***

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**BONAFIDE CERTIFICATE**

##### Certified that this project report “SCALABE AND SECURE INTEGRATED HEALTH RECORD VIA VIRTUAL MACHINE IN THE CLOUD“ is the bonafide work of “KEERTHI.S(211411205308), LAVANYA.V (211411205310), SHAMINI. M (211411205319), SOWMIYA. D(211411205320)” who carried out the project work under my supervision.

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**DECLARATION**

I hereby declare that the project report entitled “**SCALABLE AND SECURE HEALTH DATA VIA VIRTUAL MACHINE IN THE CLOUD**” which is being submitted in partial fulfilment of the requirement of the course leading to the award of the ‘Bachelor Of Technology in Information Technology’ in **Panimalar Engineering College, Affiliated to Anna University- Chennai** is the result of the project carried out by us under the guidance and supervision of **Mrs.A.VINOTHINI,M.Tech, Assistant Professor in the department of Information Technology**. I further declared that I or any other person has not previously submitted this project report to any other institution/university for any other degree/ diploma or any other person.

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**ABSTRACT**

A personal health record, or PHR, is a [health](http://en.wikipedia.org/wiki/Health) record where health data and information related to the care of a patient is maintained by the patient. This stands in contrast to the more widely used [electronic medical record](http://en.wikipedia.org/wiki/Electronic_medical_record), which is operated by institutions and contains data entered by clinicians or billing data to support insurance claims. The intention of a PHR is to provide a complete and accurate summary of an individual's medical history which is accessible [online](http://en.wikipedia.org/wiki/The_Internet). The health data on a PHR might include patient-reported outcome data, lab results. It is important to note that PHRs are not the same as [electronic health records](http://en.wikipedia.org/wiki/Electronic_health_record) (EHRs). In this project, we present MyPHRMachines, a cloud-based PHR System which contains health-related data and the application software to view or analyze it separately deployed in the PHR system. First the patient should register in the PHR system. The main idea behind MyPHRMachines is to control the cloud for allowing patients to build their own personal health data repository and share these data with different care institutions.Radiology scan receive a digital copy of scan results. Once stored in MyPHRMachines, patients can flexibly share these data with any other care institution or interested stakeholder. Access to MyPHRMachines, requires only a browser, and access to a selected part of the repository can be easily granted by patients to any care institution. In this way, caregivers need not be able to run specialist software, since they can get access to this software directly from the cloud.

**KEY WORDS:** Personal health record, electronic health record, cloud based PHR system, radiology, stakeholder

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