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## LAPTOP AND DESKTOP RENTING SYSTEM

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### ABSTRACT

In today's competitive world and covid19 pandemic situation, learning skills through a laptop or system has become a basic need for almost every student and employee. But that requirement comes with a cost. A well configured laptop costs a fortune for a middle class family. Net Centers can provide a solution to an extent. Here, the problem comes with inflexible time, location, number and configuration of systems provided. Renting a laptop could be another alternative, but there is no secured platform to allow any user to rent and lend one. To overcome these problems, propose a mobile application called Efficient Laptop Renting System. The basic idea is to create an android application platform to rent and let people lend the laptops on demand online which is available 24/7 removing the constraint of time and location. The added advantage is that renters can get a laptop with customized features and pre-installed software such as java, python, etc. and lenders even after putting device for rent have the right to reject a rent request. A lender can lend more than one device. In order to achieve the key factor security, shared responsibility model is implemented between net centers and users taking advantage of net centers security trait.

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### I. INTRODUCTION

Basic computer skills and practice of theoretical skills on Personal computer has become a new need for almost every student and employees regardless of their relevance with IT industry. Although desktops and laptops may show equal performances, a report showed that people prefer laptops over desktops and tablets owing to high demand of laptops which in turn took a change on its prices. Giga byte kingdom.com states that the average cost a new laptop would be 600\$ to 700\$ which is nearly 40000 to 50000 INR. From the reports released from the government of India, the average salary of a person ranges from 8080 INR to 143000 INR implying that buying a good laptop is still dream to many people in countries like India. Such people approach net centers for system use, but people living in rural areas face the crisis since not many net centers could be present in those areas. Mostly people lend laptops from their acquaintances and use them but not every person have such acquaintances. In such cases laptop renting can solve the problem. Not every person need a same configured laptop and not every person need the same software in a laptop so net centers cannot gear up to the customer needs. The present system of rental provides a person a laptop chosen with basic software, but now the expectations have crossed that bar. People find it useful to rent a laptop on demand and with preinstalled required software without having to waste their time. The problem is that there is no such platform to cater the needs of the demand. Considering all problems together and putting the solutions to them in one platform gives our android app "Laptop Rental System App". Through his application user can select the laptop of his desired configuration and choose one with his required preinstalled software to be delivered at his place and date of his convenience. The users after sign up can put their laptop for rent or rent one. To enable security in the first phase release of the app, the laptops are only delivered to the particular net centers which are near to the customer and net centers take partial responsibility in providing the lender of the laptop with security.

### II. LITERATURE SURVEY

- 1) Research Paper on Gerald V. Post. Database Management Systems, Published 2002 by McGraw-Hill/Irwin" - Prof. Pakruddin B. This Notes Management System can be readily used by non-programming personal avoiding human handled chance of error., Easy to use web based system., Users can register online..
- 2) Gerald V. Post. Database Management Systems, Published 2002 by McGraw-Hill/Irwin (first published November 28th 1998) interact with it. The main features would be showing basic weather, location based time information, reminders etc.