A

PROJECT REPORT
ON

Rent-IT

Submitted in partial fulfillment for the award of

Post Graduate Diploma in Advance Computing

(PG-DAC) from

INSTITUTE OF EMERGING TECHNOLOGIES

Authorized Training Centre

Under the Guidance of

Name of the Guide

BY

Name 16 times

CERTIFICATE
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This is to certify that the project report entitled **Rent-IT** is a bonfire work carried out by **Name of the Students** and submitted in partial fulfilment of the requirement for the C-DAC ACTS, DAC course in Institute of Emerging Technology in the batch of Aug 2024.

Course Coordinator   **External Examiner**

ACKNOWLEDGEMENT

This project **Rent-IT** was a great learning experience for us and we are submitting this work to Advanced Computing Training School (CDAC).

We are very glad to mention the **Name of the Guid** for her valuable guidance to work on this project. Her guidance and support helped us to overcome various obstacles and intricacies during the course of project work.

Our most heart full thanks goes to *Mr. Sangram Patil* **(Director ,IET)**who gave all the required support and kind coordination to provide all the necessities like required hardware , internet facility and extra lab hours to complete the project and throughout the course up to the last day here in C-DAC ACTS, Pune.

Sign of student

Name of Student/s

Roll no.

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__Abstract__

The goal of this project is to create a web-based platform for computer rentals that uses a MySql database, Java as backend and ReactJS for the frontend. The platform would provide a user-friendly interface for exploring high-performance laptops and desktops, reserving rentals for different periods, and managing accounts, thereby addressing the issues associated with temporary computer access. The website will offer a dynamic and responsive user experience by utilizing ReactJS. The database-driven backend, constructed with Java, will effective data management for computer inventory, client data, rental processing, and safe online payments. This project serves travelers, students, and working professionals who need access to strong computers on a temporary basis without having to commit to ownership. This project's successful conclusion will create an affordable and practical solution for fulfilling short-term computer needs.

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Introduction

Professionals, students, and visitors are increasingly looking for temporary access to high-performance computers in the modern world. The limits of personal computers frequently become noticeable while taking on a challenging project, giving an impactful presentation, or just having a dependable machine on the go.

In order to address this issue, our project offers a user-friendly web-based computer rental platform.

With our service users can:

1 Get access to a wide variety of laptops and desktops
2 Select from a carefully chosen range of high-performance devices to meet particular requirements
3 Take advantage of flexible rental options
4 You can choose to rent for a day, a week, or a month.
5 Go through the renting process with ease

6 Our platform makes booking, browsing, and account maintenance simple.

ReactJS technology is used in this project to create a responsive and dynamic user interface. We give seamless and effective rental experience when combined with a strong backend system.

Without the burden of ownership, our computer rental service platform enables users to realize their full potential by offering an affordable and practical option.

Problem Definition

Due to busy schedules of professionals, students, and tourists frequently require short-term access to powerful computers for a variety of tasks, but they do not have the funds or the time to purchase a high-performance device. Conventional computer stores don't meet the demand for short-term to fulfilling this requirement we are making this this user freindly & easy accessible website as project.

* Limited access to technology: People who cannot afford to buy a high-end computer have fewer options. * Wasted resources: People buy pricey computers that they may utilize for a short period of time.
* Inconvenience: Purchasing or maintaining a computer for a little period of time can be a costly and annoying operation.

To resolve this we are developing :
* An economical option: Renting is less expensive than purchasing for short-term requirements.
* Convenience: Renting computers is made simple with a flexible rental approach that streamlines the process.

Goals

* Within the next the period establish yourself as the preferred provider of computer rentals in desired area
* Build a solid reputation for trustworthy efficient computer rentals service with client support.
* Turn a profit during the initial period of business.

Objective

* Establish connections with technology suppliers to provide a wide selection of laptops and desktops at affordable prices.
* Create an attractive website that allows users to browse computer inventory, schedule rentals, and manage accounts.
* Implements productive distribution system for computer returns, delivery, and pickup.
* Define specified rental conditions, cost plans, and a safe online payment mechanism.

Future scope

* Expand inventory to include specialized equipment like gaming PCs, workstations for graphic design or video editing, and VR equipment.
* Offer additional services like software pre-installation, data backup solutions, and technical support for rented computers.
* Create a subscription for clients with frequent rental needs;
 * Provide a portable app for even easier access to computer rentals and account management;
* In order to grow your computer rental business, look into franchising opportunities.

ER Diagram