International Journal of Scientific Research in Engineering and Management (IJSREM)
Volume: 06 Issue: 04 | April - 2022 Impact Factor: 7.185 ISSN: 2582-3930

PRE-COMPUTER LAB MONITORING SYSTEM

Prof.M.K.Vairalkar[1] , Ritika Sandeep Moon[2], Achal Arvind Meshram[3], Pratiksha Kawaduji Gajbhiye[4], Anjali Pramod Tatte[5], Nilima Ganesh Bhagat[6]

1-Assistant Professor, Computer Science & Engineering & Govindrao Wanjari College of Engineering & Technology, Nagpur

2-6 BE,Computer Science & Engineering & Govindrao Wanjari College of Engineering & Technology, Nagpur

---

ABSTRACT

Monitor students activities during practical time is difficult also teacher has to visit each student machine to check is practical work. Due to computer lab monitoring system teacher can easily judge that if there is anything illegal or out of the range activities of students privilege are running on the students desktop. This system is useful in various organizations, government, building, school and colleges. Monitoring server is typically connected to a monitor port on the switch. If multiple Switches are used in an installation, the monitoring Server may need a connection to all of them. That connection can either be a physical cable, or if your network switches support it, a LAN specifically configured for monitoring traffic. LAN monitoring project aims to develop various network utilities which are required to effectively monitor a LAN network. Project aims to develop an integrated software solution that allows a network administrator to remotely monitor his LAN network.

Keywords: LAN, Server, Client.

1. INTRODUCTION

The present working system is handled manually that is without the use of the computer. All the information about the "LAB MONITORING SYSTEM" is handled manually in the registers. It is very time consuming for each activities separate files or to be made for entering the record.

In the present system of record keeping addition of new records is a very tough job. Being the manually handled the person has to spend a lot of time filling the information.

In the present system the efficiency of the system largely depends on the experience of the person handling the records.

2. BACKGROUND

In the present situation the number of system are present inlab and they are in LAN also but in every lab there is no such client server connectivity present. On such system students can complete their given task and they can also do some other work which is not related to their given task. This is the main problem of the current lab management system. The other problem of the present existing lab

management is that the lecturer cannot supervise the student activities. The existing system presents an introduction of an embedded processor-based laboratory environment monitor system and its design for hardware and software. This system aims at completing monitoring a variety of real-time data. This system achieves the intelligent management of laboratory. By wired or wireless means, the laboratory monitoring system can communicate with PC. To Monitor a LAN, the monitoring server is typically connected to a monitor port on the switch. If multiple Switches are used in an installation, the monitoring Server may need a connection to all of them.

Data flow Diagram

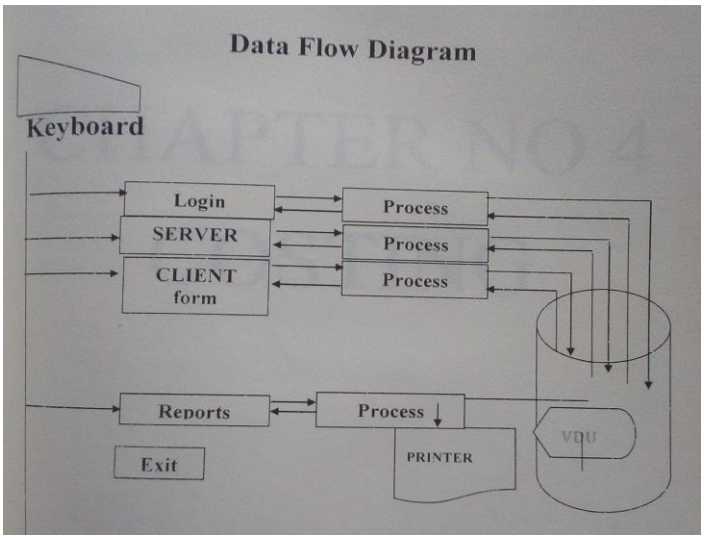

Fig .(a)

3. LITERATURE SURVEY

[1] This is based on sensor in which monitoring is done through embedded sensor in system. But we are implementing the system on LAN without using sensor. We are including the concept of message sending, command giving, etc.

[2] This system presents an introduction of an embedded processor-based laboratory environment monitor system and its design for hardware and software. This system aims at completing monitoring a variety of real-time data. This system achieves the intelligent management of laboratory. By wired or wireless means, the laboratory monitoring system can communicate with PC.

4. ADVANTAGE

1) This project saves time.
2) The project title "LAB MANAGEMENT SYSTEM " is a small scale software for small server shopkeeper where he can manage daily sell and can maintain efficient record.
3) Simple input giving procedure easy addition and deletion thus easy updating.
4) Computerized system of record keeping and maintenance is less time consuming and more inaccurate as Compared to the manual system.
5) There more flexibility that is record can not be updated and modified easily.

5. PROPOSED WORK

The main objective of the proposed system is to provide and efficient, user friendly reliable and error free system. In short the proposed work gives the user a more flexible environment.

The new system needs to develop in an efficient database management system by which the drawbacks of the system automatically remove. The proposed system can handled bulk of records and report efficiently.

The aim of the proposed system is to show the benefits of implementing and environmental management system in iron "Iron steel dealership" This technology developers a complete level of management software services. The LAB MONITORING SYSTEM management software support better, fast and reliable service to the daily operations of management and planing.

6. AIMS & OBJECTIVE

The project aim is to manage the network or a LAN by implementing such a software that perform operations that are capable to monitor whole of the network by sitting on one chair and viewing clients or students desktop passing messages to remote system and also having facility of shut down the system by performing remote aborting operations.

- Perform remote operations on students machine.
- Students should send his practical be work to teacher.

7. BENEFITS

1) Providing access to only authenticated user.
2) Know update notices.
3) View marks posted.
4) View all data related to lab task

8. FUTURE SCOPE

1) As the SERVER lab system will be used in all colleges, library etc. thus it has the commercial purpose.
2) The related project can be enhanced from windows based application to network with network enabled future where it will work as online SERVER portal.
3) For implementation to clients server architecture web pages can be developed using JAVA XML.
4) The default database can be done in MYSQL.
5) For implementation on network secure socket programming is required.
6) We improve our project by developing it as a web based software.
7) We can also use password for security by unauthorized user to make change.

9. EXCEPTED OUTCOME:

To provide facility to lab management system it's saves time as it allows the computer system to every student of college and it provides The user id and password to login for then profile setting and administrator have all control of lab managing system.

REFERENCES

- Ms. Bhagyashree Gaurkhede, Ms. Gayatri Puri and Ms. Neelam Bahekar, "Computer Lab Monitoring System ".
- Harsh Mittal, Manoj Jain and Latha Banda, Harsh Mittal, Manoj Jain and Latha Banda "monitoring local area network using remote method invocation".
- Wang ping, wany Zheng, "IEEE, Design and Implementation of open Computer Lab Monitoring and Management System". Computer and modernization.