**A**

**MINI PROJECT REPORT**

**ON**

**RESOURCE ALLOCATION SYSTEM**

SUBMITTED

BY

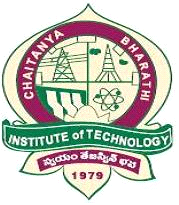
**KAREDLA ANANTHA SASHI SEKHAR**

**(1601-14-733-091)**

**&**

**M DASARADA RAM REDDY**

**(1601-14-733-092)**



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY[A]

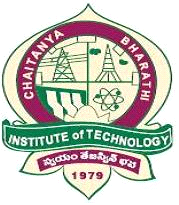
**[Accreditated by NBA–AICTE & NAAC-UGC, ISO 9001-2008 Certified & UGC Autonomous Institute]**

**Website:** [**www.cbit.ac.in**](http://www.cbit.ac.in/)**,** [**www.cbitworld.com**](http://www.cbitworld.com/)

HYDERABAD – 500 075

2016-2017

**i**



**CHAITANYA BHARATHI INSTITUTE OF**

**TECHNOLOGY[A]**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**GANDIPET, HYDERABAD-500 075**

**CERTIFICATE**

This is to certify that the project work entitled “**RESOURCE ALLOCATION SYSTEM**” submitted to **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**, in partial fulfilment of the requirements for the award of the completion of Third year 2nd semester of B.E in Computer Science and engineering, during the academic year 2016-17, is a record of original work done by **K.A.S.SEKHAR (160114733091)** and **M.DASARADA RAM REDDY (160114733092)** during the period of study in the Dept. of CSE, CBIT, HYDERABAD, under our supervision and guidance.

**PROJECT GUIDE** **HEAD OF THE DEPARTMENT**

**G. Vivek Y Rama Devi**

Assistant Prof, **Head of the department,**

**Dept of CSE. Computer Science,**

**C.B.I.T, HYDERABAD**

ii

**ACKNOWLEDGEMENT**

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

I am highly indebted to **Dr. B. Chennakeshava Rao, The Principal, C.B.I.T.,** Hyderabad and **Y Rama Devi, Head of Department, Computer Science** for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

I would like to express my gratitude to our guide **Mr G. Vivek, Assistant Professor, Dept of CSE, C.B.I.T.,** for his kind co-operation and encouragement which help me in completion of this project.

My thanks and appreciations also go to my colleague in developing the project and people who have willingly helped me out with their abilities.

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

**K.A.S.SEKHAR**

**(1601-14-733-091)**

**&**

**M DASARADA RAM REDDY**

**(1601-14-733-092)**

iii

**DECLARATION**

We declare that the project report entitled “**RESOURCE ALLOCATION SYSTEM**” is being submitted by us in the Department of computer science, Chaitanya Bharathi Institute of Technology.

This is record of bonafide work carried out by us under the guidance and supervision of **Mr G.Vivek, Assistant Professor, Dept of CSE, C.B.I.T.**

No part of the thesis copied from books/journals/internet and wherever the portion is taken, the same has been duly referred in the text. The reported are based on the project work doing entirely by us and not copied from any other source.

**K.A.S.SEKHAR**

**(1601-14-733-091)**

**&**

**M DASARADA RAM REDDY**

**(1601-14-733-092)**

iv

**ABSTRACT**

This project is aimed at automating a Resource Allocation system. Every individual has to request for a resource by providing certain basic details of his/her requirements. After a successful registration, the user portal can be accessed with the username and the respective password. Seminar Halls, Assembly Halls, Labs etc can be requested from the available resources list.

The system allows a user to register and create an account by providing details and an authenticating password. The user can then log into to his/her account by entering the credentials. This is a user-friendly interface. Admin has the power to reject a particular request and to de-allocate a particular allocated entry during crisis. A user entity possesses all the entities like number of rejects so as to help admin to make a proper decision.

v

**TABLE OF CONTENTS**

Acknowledgement iii

Declaration iv

Abstract v

**Contents Page No.**

**1.** Introduction 1

**1.1** Purpose 1

**1.2** Scope 1

**1.3** Overview 1

**2.** Literature Survey 2

**2.1** Java Servlets 2

**2.1.1** Introduction 2

**2.1.2** Java Servlets and Their Applications 2

**2.1.3** Architecture of Servlets 2

**2.2** Java Server Pages 3

**2.3** JDBC Data Access 4

**3.** Software Requirements and Specifications 5

**4.** Design - Data Flow Diagram 6

**5.** Implementation 8

**5.1** Module specification 8

**5.1.1** Administrator Account 8

**5.1.2** User Account 9

**5.2** Working 9

**6.** Result 10

**7.** Conclusion 18

**8.** Bibliography 19

vi

**LIST OF FIGURES**

**Fig.No FIGURE NAME Page No.**

**6.1** Output Screen of Home page for all users 10

**6.2** Output Screen of Admin login 10

**6.3** Output Screen of Admin page 11

**6.4** Output Screen of Admin logging out 11

**6.5** Output Screen after Admin logged out 12

**6.6** Output Screen of Student registering 13

**6.7** Output Screen on Successful registration of user 13

**6.8** Output Screen of registration page username warning 14

**6.9** Output Screen of password warning on registration page 14

**6.10** Output Screen of user Logging in 15

**6.11** Output Screen after user Logged in ( Booking page ) 15

**6.12** Output Screen after Successful booking 16

**6.13** Output Screen of user Logging out 16

**6.14** Output Screen after user Logged out 17

vii