**A PROJECT REPORT**

Rank Random

**Submitted in partial fulfilment**

**of the requirement for the award of the**

**degree of**

**BACHELOR OF COMPUTER APPLICATIONS (BCA)**

by

Naman Agarwal

191015006

DEPARTMENT OF COMPUTER APPLICATIONS

MANIPAL UNIVERSITY JAIPUR

JAIPUR-303007

RAJASTHAN, INDIA

03 2023

### DEPARTMENT OF COMPUTER APPLICATION

MANIPAL UNIVERSITY JAIPUR, JAIPUR – 303 007 (RAJASTHAN), INDIA

**Date** 24/03/2023

# CERTIFICATE

This is to certify that the project titled **RANK RANDOM** is a record of the bonafide work completed during the period from 10/02/2023 to 24/03/2023 by **NAMAN AGARWAL (191015006)** submitted in the partial fulfilment of the requirements for the award of the Degree of Bachelor of Computer Applications (BCA) at the Department of Computer Applications, Manipal University Jaipur, for the academic year 2022-23.

### Dept Guide Name

*Project Guide, Dept of (Name of the Dept.) Manipal University Jaipur*

### Dr. Devershi Pallavi Bhatt

*HOD, Dept of (COMPUTERAPPLICATION)*

*Manipal University Jaipur*

(*On company letterhead)*

Date

# CERTIFICATE

This is to certify that the project entitled **PROJECT TITLE** was carried out by

**STUDENT NAME** (Reg. No.) at **COMPANY NAME, CITY NAME** under my

guidance during **Starting Month, Year** to **Ending Month Year**.

**Supervisor Name**

Designation, Organization Name, City

**ACKNOWLEDGMENTS**

This section should contain the acknowledgements due to the Dean/Director, Dept HOD, Project supervisor, company personnel, department guide, Laboratory In charge (where the work was carried out) and faculty members whose assistance was sought during the project work.

## ABSTRACT

The name of my project, Rank Random, defines the two qualities of my website. In the current WWW era, there are now 1.17 billion active websites. Now consider the features that these websites offer that we are unaware of. These websites showcase the diversity of people-generated suggestions and solutions. These websites contain the answers to whatever difficulties we could have right now or we may have. Here at Rank Random, you may find new websites to visit every day based on our mood and enjoy the ideal evening. The aims of my website are random: to display a random website, and rank: to rate these websites based on reviews, genre, and other factors.

We are working on developing an API that will contain name, genre, and other website metadata.

from here users may search and visit different website they like. These API sent data to node server where all logic works.

Initially, a JSON file is used to record API data, which is then transformed and saved on a NoSQL database using mongo DB, where all CRUD operations will be handled. Our developers are actively creating the backend using node JS under REST architecture.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contents** | | | | | |
|  | | | | | Page No |
| Acknowledgement | | | |  | i |
| Abstract | | | |  | ii |
| List Of Figures | | | |  | iii |
| List Of Tables | | | |  | vi |
| **Chapter 1** | | | **INTRODUCTION** | |  |
|  | **1.1** | Introduction to work done/ Motivation (*Overview, Applications & Advantages*) | | | 1 |
|  | **1.2** | Project Statement / Objectives of the Project | | |  |
|  | **1.3** | Organization of Report | | |  |
| **Chapter 2** | | | **BACKGROUND MATERIAL** | |  |
|  | **2.1** | Conceptual Overview (*Concepts/ Theory used*) | | |  |
|  | **2.2** | Technologies Involved | | |  |
|  | **.**  **.**  **.** |  | | |  |
| **Chapter 3** | | | **METHODOLOGY** | |  |
|  | **3.1** | Detailed methodology that will be adopted | | |  |
|  | **3.2** | Circuit Layouts / block diagrams | | |  |
|  | **.**  **.**  **.** |  | | |  |
| **Chapter 4** | | | **IMPLEMENTATION** | |  |
|  | **4.1** | Modules | | |  |
|  | **4.2** | Prototype | | |  |
|  | **.**  **.**  **.** |  | | |  |
| **Chapter 5** | | | **RESULTS AND ANALYSIS** | |  |
| **.**  **.**  **.** | | |  | |  |
| **Last**  **Chapter** | | | **CONCLUSIONS & FUTURE SCOPE** | |  |
|  | **5.1** | Conclusions | | |  |
|  | **5.2** | Future Scope of Work (at least 3 points) | | |  |
| **REFERENCES** | | | | |  |
| **ANNEXURES (OPTIONAL)** | | | | |  |

## LIST OF TABLES

|  |  |  |
| --- | --- | --- |
| **Table No** | **Table Title** | **Page No** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **Figure No** | **Figure Title** | **Page No** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Note:The border of the table (List of figures,List of table & table of contents) should be invisible

**Chapter 1 INTRODUCTION**

* 1. **Introduction to work done/ Motivation (*Overview)***

Here at Rank Random, you may find new websites to visit every day based on our mood and enjoy the ideal evening. The aims of my website are random: to display a random website, and rank: to rate these websites based on reviews, genre, and other factors.

We are working on developing an API that will contain name, genre, and other website metadata.

from here users may search and visit different website they like. These API sent data to node server where all logic works.

**1.2 Project Statement / Objectives of the Project**

There is no Unified database for all website available on the web where we can search and work with website according to our needs.

* 1. **Objectives of the Project**

may find new websites to visit every day based on our mood and enjoy the ideal evening. The aims of my website are random: to display a random website, and rank: to rate these websites based on reviews, genre, and other factors.

**Chapter 2 BACKGROUND MATERIAL**

**1.2 Technologies Involved**

Node js,

JSON,

MySQL,

Express

### ANNEXURES (optional)

Annexure to include

* + Product Data sheets
  + Design drawings
  + Standard diagrams
  + Lengthy codes / algorithms etc

Note: Include papers published or submitted or accepted

### General Guidelines (Delete this page when making the report submission)

* Project Report to be minimum 35 pages. Reports less than 35 pages will be rejected
* Project report to be maximum 50 - 60 pages (preferred)
* Paper Size: A4; Left = Right = Top = Bottom Margins = 0.7”
* Page Numbering Position: Bottom with right justified and continuous numbering from the Introduction Chapter
* Use Times New Roman Font with Normal Style, paragraph justified and 1.15 line spacing
* Paragraph Heading: Times New Roman Font, Bold, Font Size 14; Paragraph Matter: Times New Roman Font, Normal, Font Size 12;
* Sub-paragraphs be appropriately numbered as in 1.1, 1.2, 1.3 etc; Sub-paragraph Heading: Times New Roman Font, Italics, Font Size 12; Sub-paragraph Matter: Times New Roman Font, Normal, Font Size 12;
* Figure captions below Figure with chapter wise numbering
* Tables captions above Table with chapter wise numbering
* All references must be listed in the order in which they appear in the report (follow IEEE format for referencing)
* Only hard bound reports will be accepted, colour of the front cover to be in mustard yellow (Consult guide/department coordinator before binding)

Note:The Cover page color as mentioned above has CMYK Values are C: 00 M:20 Y:75 K:00 & Hex is :FFCC00

#### Arrangement of contents

1. Cover page (same as inner page)
2. Inner page
3. Dedication (Optional)
4. Certificate
5. Certificate on company letter head
6. Acknowledgement
7. Abstract
8. List of Tables
9. List of Figures
10. Table of contents
11. Chapters
12. References (follow IEEE format)
13. Annexures (if any)

* The above guidelines should be used only as a help guide and is more or less a standard way of report writing.

#### Project students are requested to discuss with their department guides regarding the contents of the project report.

* Hard Copies to be prepared: 1 individual copy, 2 for submission.
* 2 Hard Copies to be submitted to project coordinator after Project Guide & HOD signature.
* Soft copy (both word and pdf format) to be uploaded to the link shared with project name, students name with registration number mentioned.