

**Database Management System Lab synopsis on**

# **' Census of India '**



**Submitted By,**

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**Under the guidance of,**

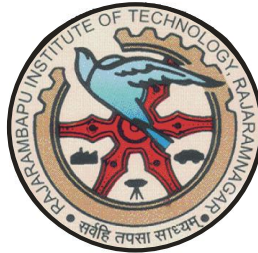
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***2014- 2015.***

# **CETIFICATE**

**K. E. Society's  
Rajarambapu Institute of Technology, Rajaramnagar.**



*This is to certify that the **Database Management System** project entitled with,  
**'Census of India'***

*has been carried out by,*

- |                         |           |
|-------------------------|-----------|
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*Satisfactorily completed During Year **2015-2016**.*

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Project Guide,

Prof. N. V. Dharwadkar  
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Date:

Place: Rajaramnagar.

## **Declaration**

We, unsigned hereby declare that the dissertation entitled '**Census of India**' submitted by us to Rajarambapu Institute of Technology, Rajaramnagar for the award of the degree of bachelor of engineering in computer science and Engineering, under the guidance of **Miss. B. K. Ugale** , is completely original. This empirical design, coding and documentation in our project report are based on our teamwork, done by us.

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# Census of India

**Title:**

Database management system: Census of India

**Project Statement:**

Develop a database management system design for census of India.

**Keywords:**

- **Generic Technology keywords**

Databases, Programming.

- **Specific Technology keywords**

MS-SQL server, HTML.

- **Project type keywords**

Analysis and Design.

**Objective:**

We are going to prepare this project by visioning certain objectives:

- To develop interactive database design to overcome the most of the problems occurring in the manual system with the help of digital system.
- Provide solution for authority to manage their information using computerized process.
- To keep confidential data of individual.
- To provide information about result for further development of country.

**Scope:**

Due to today's environment of digitalization and national security, our aim was to make a well utilized database design on information thrown up by census. Our existing system is based on digital work and all the process are done digitally, so census officer (Information Collector) does not need to maintain registers and files for recording all the details of individual. All this information is recorded on many subsystems connected by one main system which would be further useful for analysis. It will provides valuable information for planning and formulation of polices for Central & State Authorities and is widely used by National & International agencies, scholars, business people, industrialists, and many more.

The reservation of Constituencies, Local Bodies and authorities is also done on the basis of the demographic data thrown up by the Census. Census is the basis for reviewing the country's progress in the past decade, monitoring the on-going schemes of the authorities and most importantly, plan for the future.

## Functional Requirement:

- **Hardware requirements:**

<i>Number</i>	<i>Description</i>	<i>Functionality</i>
<i>1</i>	<i>Computer Systems</i>	<i>To handle database</i>
<i>2</i>	<i>Data Servers</i>	<i>To store data</i>
<i>3</i>	<i>500 MB minimum storage on Hard Disk.</i>	<i>To store MySQL software and other data.</i>
<i>4</i>	<i>200 MB of RAM</i>	<i>To run MySQL, Dia and other software</i>

- **Software requirements:**

<i>Number</i>	<i>Description</i>	<i>Functionality</i>
<i>1</i>	<i>Operating System</i> <i>I) Windows 95/98/XP</i>	<i>To create platform to run the software.</i>
<i>2</i>	<i>Smart Draw Softwares</i>	<i>To draw ER Diagram.</i>
<i>3</i>	<i>MS Office-Access or MySQL</i>	<i>To create database.</i>
<i>4</i>	<i>MS-PowerPoint</i>	<i>To make presentation</i>
<i>5</i>	<i>MS-word</i>	<i>To prepare report</i>
<i>6</i>	<i>HTML</i>	<i>To check database on site</i>
<i>7</i>	<i>XAMPP</i>	<i>To upload database on network</i>

## **Functional components of the project:**

There are registered people in the system (man, woman, children, old). Each entry in these system provided with details . Each Persons - Entities in these system has details – Attributes like name, address, marriage status, literacy, etc.

Following will be the functionality components of our system:

1. To provide security to data:

The database of census of India is very important thus security of administer login system provided.

2. The following demographic details of every individual resident:

- a) Name of person
- b) Relationship to head of household
- c) Father's name
- d) Mother's name
- e) Spouse's name (if married)
- f) Sex
- g) Date of Birth
- h) Marital status
- i) Place of birth
- j) Nationality (as declared)
- k) Present address of usual residence
- l) Duration of stay at present address
- m) Permanent residential address
- n) Occupation/Activity
- o) Educational qualification

3. Allow to search attribute of result generated by census:

After completing database everyone should be able to find the population , literacy status , Resources required at particular area, etc.

4. Atomicity

5. Consistency

6. Isolation

7. Durability

### **Proposed Work planning:**

<i>Sr No.</i>	<i>Phases</i>	<i>Duration in week</i>
<i>1</i>	<i>Select Topic</i>	<i>1</i>
<i>2</i>	<i>Analysis</i>	<i>2</i>
<i>3</i>	<i>Designing</i>	<i>3</i>

### **References:**

[https://en.wikipedia.org/wiki/2011\\_Census\\_of\\_India](https://en.wikipedia.org/wiki/2011_Census_of_India)

<http://www.censusindia.gov.in>

<http://agcensus.dacnet.nic.in/>

<http://www.census.gov/prod/www/decennial.html>

**Signature**