**DATA SCIENCE PROJECT REPORT**

(Project semester August December 2021)

**India Disable Population**

Submitted by:

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Computer Science and Engineering

Section: KM006

Course Code INT217

Under the Guidance of

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**Discipline of CSE/IT**

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**CERTIFICATE**

This is to certify that Perumalla Litesh bearing Registration 11910685 has completed Data Science project titled, “**India Disable Population**” under my guidance and supervision. To the best of my knowledge, the present work is the result of his original development, effort, and study.

**Signature and Name of the Supervisor**

**Designation of the Supervisor**

**School of Computer Science**

Lovely Professional University

Phagwara, Punjab.

Date:

**DECLARATION**

I, Perumalla Litesh, student of Lovely Professional University under CSE/IT Discipline at Lovely Professional University, Punjab, hereby declare that all the information furnished in this assignment is based on my own intensive work and is genuine.

Name of the student: Perumalla Litesh

Date: 18-12-2021

Signature:

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Registration No: 11910685

**Acknowledgement**

A project work is a combination of views, ideas, suggestions, and contribution of many people. Thus, one of the pleasant parts of writing the report is to thank those who have contribute towards its fulfilment.

I consider it as great privilege to have esteemed lecturer Ms. Komal Arora as my project guide. I take this opportunity to express my sincere gratitude to him through constant advice and constructive criticism nourished my interest in the subject and provided a free and pleasant atmosphere to work against all odd situations. I avail this opportunity to extend my heart full thanks and deep respect to faculty member for their able guidance during this project.

My gratitude to all those who respond to my questionnaire in a well-defined manner and helped me acquiring knowledge.

I would like to communicate a deep sense of gratitude to all these people without whom my project would not have been such a great learning experience.

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**Introduction**

The total population of India is 121 crores. In that 2.68 crore are physically disable people which is 2.2% of the total population. In which 69% are from the rural areas and 31% remain in the urban cites.

This data set includes the people with the types of disability as In-movement, In-speech, In-hearing, In-seeing, Mental Retardation, Mental Illness, Mental Disability and any other. With people from 0 to 60 and from all the states and employment status.

The number of disabled people according to 2011 survey is 26814994 which is divided in to 14988593 males and 11826401 females.

**Scope of the analysis**

The importance of the dataset it helps in policy making and in the development of resources for the disability people and implementation of resources and monitoring the effectiveness of the resources and analysis of the cost effectiveness. This data has a potential and prevents waste guesswork.

Purpose of the data is to help organizations for disabilities and related to their family and parent associations. Women and children with disabilities with education and financially and training and employment. Giving access to information and transportation. Access to communication and information and assistive technologies. Helping people with poverty through capital and social security and sustainable livelihood programmers.

**Existing system**

Before existence of Data Science, analyzing data used to be hectic task and existing system

didn’t used to analyses the data with perfection.

Without existence of current cutting-edge technology of data science, we can get actionable

Following are the benefits which weren’t present in the existing system of data analyzing:

1. Making Better Decision with The Help of Data

2. Recognizing the disabled people and offering treatment and helping their basic needs.

3. Doing challenging stuffs with the help of prediction which is done by data.

4. It helps government for giving job opportunities and sanctioning loans.

5. Making decision with Quantifiable, data driven evidence so that loss doesn’t happens.

6. Testing the decisions taken by the data and watching and analyzing the insights.

7. Data helps government for establishing hospitals and doctors.

**Source of the data set**

This data set is taken from the Kaggle with name ‘India Disable population’

<https://www.kaggle.com/kumareshbabuns/india-disabled-population>

Author of the data set

Kumaresh Babu N S

Data last updated

October 2019.

**Analysis of the Data Set**

1. **Find the no of disabled people suffering from mental illness whose age is less than 15 and from India.**

**Introduction:** This analysis shows us that the children who are suffering from mental Illness from India.

**Requirement:**

Pivot table of the data.

Pivot chart for the data.

Bar chart for the analysis.

**Analysis result:**

In this the mental Illness is less than the other disabilities. By this we can say that people less than 15 years are less likely to be mental Illness.

1. **Find the state with highest no of disabled people suffering from In-speech.**

**Introduction:**

This analysis shows us the highest no of disabled people suffering from In-speech.

**Requirement:**

Pivot table for the data.

Pivot chart for the data.

Bar chart.

Conditional Formatting.

**Analysis Result:**

Maharashtra is the highest state with In-speech disability.

By this analysis the government can concentrate by providing health support and helping them with awareness about sign language.

1. **Find the no of people with total disability and non-working persons from Karnataka.**

**Introduction:**

This analysis is about people with total disability and non-working persons in Karnataka state.

**Requirement:**

Pivot table for the data.

Pivot chart for the data.

Clustered column

**Analysis Result:**

By this analysis the non-working persons with any of the disability is 5296820. And government can help the people find their jobs and with their daily wages.

1. **Find the percentage of disabled people suffering from in-movement from overall India.**

**Introduction:**

To find the total percentage of the disabled people from In-movement from overall India.

**Requirements:**

Pivot table for the data.

Pivot chart for the data.

Bar graph

**Analysis Result:**

By this the In-movement is highest percentage of disabilities over India. By this the government can help by providing wheelchairs.

1. **Find the total disabled people from Maharashtra who are not working females whose age is greater than 15 - 60.**

**Introduction:**

To find the total disability people from Maharashtra state who are not working females whose age is greater than 15 to 60.

**Requirements:**

Pivot table for the data.

Pivot chart for the data.

Bar graph.

**Analysis Result:**

By this the total disability people from Maharashtra is 17869020 whose age is greater than 15-60. By this the government will help by providing job and basic needs, and pensions.

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