**FINAL PROJECT ABSTRACT**

**Group Name**: FINAL SQL PROJECT

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**Topic:** To perform descriptive analysis on different categories of unemployed people in all Indian states and Union Territories.

**Project Objective :**

* The idea is to analyze the number of non workers in all states of India as per the 2011 Census for deriving solid and useful insights.
* Relating the unemployment rate with educational qualification of people , their social status, gender and suicide rate in India is the motive of this project work.

**As a part of our problem statement, we’d be trying to understand the following in context of unemployment :-**

* Unemployed people as per the categories they belong to.
* Suicide trend in India as per the educational qualification of victims.
* Suicide victims' classification by their age group and professional profile.

**Description:** In this project we are going to perform the following tasks.

1. Clean, filter and join the data related to unemployment and the suicides using Python.
2. Gather subsets of data which are considered as useful insights and to perform analysis using Microsoft SQL Server
3. To make a Graphical User Interface (GUI) to visualize the insights in the form of Charts, using Tkinter package in Python.

**Data being Used:**

1. **2011 Census data :-**

**Source** : [https://data.gov.in](https://data.gov.in/)

**Dataset Link**: https://data.gov.in/resources/non-workers-main-activity-age-and-sex-2011-india

**Brief Introduction** : We are going to use the census data set which contains the overall list of all the people categorized into various occupations for 7 different educational levels for all the states of India recorded over the period 2001-2011

1. **Suicide data by educational qualification :-**

**Dataset Source :** <https://data.gov.in>

**Dataset Link** : <https://data.gov.in/resources/stateut-wise-educational-status-suicide-victim-during-2001-2012>

**Brief Introduction :** The census 2011 data will be the primary dataset throughout the project work, but this data would be used in conjunction with the unemployment data for reaching on meaningful conclusions. The dataset includes count of suicide victims belonging to different educational backgrounds classified by gender. It contains data for 35 Indian regions (including states and Union Territories) from 2001 to 2012.

1. **Suicide data by profession :-**

**Dataset Link :**- <https://data.gov.in/>

**Dataset Source :-** <https://data.gov.in/resources/stateut-wise-educational-status-suicide-victim-during-2001-2012>

**Brief introduction :-** This dataset would be used along with the previous one to have combined information about education as well as profession of the suicide victims. The dataset includes count of suicide victims working in different sectors classified by gender as well age group . It contains data for 35 Indian regions from 2001 to 2012.