# Capstone Project Submission

**Instructions:**
i) Please fill in all the required information.
ii) Avoid grammatical errors.

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**Team Member's Name, Email and Contribution:**

Name: Chanakya. Adari
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Contribution:
1. Reading the data set
2. Selecting Specific columns
3. Revising the columns
4. Data Wrangling
5. Question preparation
6. Created data frame and a graph to visualize at terror attacks all over the world at a glance.
7. Created data frame and a graph to visualize at terror attacks in the regions.
8. Created data frame and a graph to visualize at terror attacks in top 10 most affected countries.
9. Created data frame and a graph to visualize at terror attacks in top 10 most affected States.
10. Created data frame and a graph to visualize at terror attacks in top 10 most affected Cities.
11. Created data frame and a graph to visualize the number of attacks during each year from 1970 to 2017.
12. Created data frame and a graph to visualize the number of attacks during each year from 1970 to 2017.
13. Created data frame and a graph to visualize the number of attacks during each month from 2008 to 2017.
14. Created data frame and a graph to visualize the number of attacks during each day from 2008 to 2017.
15. Created data frame and a graph to visualize the top 10 type of terror attacks from 1970 to 2017.
16. Created data frame and a graph to visualize the top 10 terror gangs from 1970 to 2017.
17. Created data frame and a graph to visualize the top 10 weapon types used from 1970 to 2017.
18. Created data frame and a graph to visualize the top 10 targets by terror groups from 1970 to 2017.
19. Created data frame and a graph to visualize the Top 10 most affected countries to distinguish the occurrences of terror attacks.
20. Created data frame and a graph to visualize the Top 10 most affected counties with respect to people being killed in the terror attacks.
21. Major findings
22. Measure to be undertaken

**Please paste the GitHub Repo link.**

**Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)**

Terrorism poses major threat to the safety and security of the international community and have become one of the greatest obstacles to the sustainable development and its analysis and prediction are imperative. According to the given data 181,691 identified terrorist incidents in the GTD dataset from 1970 to 2017. Terrorist attacks typically involve high lethality and destructive power and directly cause massive casualties and property losses. The analysis and prediction of terrorist attacks provide insights on most affected nations, states, cities and can identify the dangerous terrorist organizations across the world, weapons used by them etc.

Hence, we have considered this capstone to present our insights on Global Terrorism.

We have used matplotlib, scipy, seaborn, plotly, etc., as our visualization tools.

We studied the data set and found some of the columns useful, and disregarded the remaining columns as they do not present any significant data. We have renamed those columns and afterward, we have done data wrangling on the selected columns.

Our primary focus is to find out the most affected Regions, Countries, States, and Cities in the world and the weapons used, nature of attacks, terrorist groups, and find out majority of people whom terrorists are targeting. with this approach, we can concentrate our efforts where they are required most. Hence, we can provide additional security and engage additional resources to reduce the losses of life and property in terror attacks.

Similarly, we have calculated the number of terror attacks happening year-wise, the number of terror attacks happening month-wise from 2008 onwards, and the number of terror attacks happening day-wise from 2008 onwards.

We have identified Iraq, Pakistan, Afghanistan, India, and the Philippines are currently experiencing Terrorist activities and the combined causalities from Iraq and Afghanistan are more than half of the whole world's causalities. Special measures are to be taken in these countries.