# Capstone Project Submission

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member's Name, Email, and Contribution:** |
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| My Name is Harsh Jain. I have done this project alone.<br><br>Contribution-:<br><br>1. Data Cleaning<br>2. Data Wrangling<br>3. Data Visualisation<br>4. Distribution of Attacks Yearwise<br>5. Distribution of Attacks Countrywise<br>6. Distribution of Attacks Citywise<br>7. Attacks carried out by different Terrorist Groups<br>8. Area Plot for Region-wise distribution of Attacks<br>9. Correlation Analysis<br>10. Pie Chart of Number of Killings vs Groups<br>11. Bar Chart to plot different relationships between features<br>12. Countplot for most targeted sites<br>13. The country with the most terrorism<br>14. Terrorism across India<br>15. The activity of different groups across different Nations.<br>16. People Killed from 1970-2017 due to terrorism<br>17. Percentage Increase in attacks from 1970 to 2017<br>18. Histplot for Successes and Failures in the execution of Attacks |
| **Please paste the GitHub Repo link.** |
| GitHub Link:- https://github.com/HarshJain41/Global-Terrorism-Data-Analysis |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |

I utilized the Dataset which is derived from the Global Terrorism Database (GTD) in my project, GTDis an open-source database that contains information on terrorist attacks worldwide from 1970 to 2017 and counting. The GTD presently covers more than 180,000+ attacks and offers comprehensive data on local and international terrorist acts that happened throughout this time span. As a result, this dataset is used for exploratory data analysis to extract some useful insights.

Perform data wrangling on the raw data as the initial phase, which includes filtering out the most significant columns for data analysis. Furthermore, I separated the entire project into numerous tiny portions in order to examine each feature and delve deeper into what insights can be drawn from this, as well as what approach can be used to extract these insights.

As a result, I conducted a study of various essential factors, including examining the distribution of terrorist attacks by area, nation, city, and terrorist group. Further in-depth analysis of the number of people harmed by terrorism (casualties) was also conducted. The additional analysis covers the most often utilized weapons or tactics, the most active groups, the number of persons murdered by these groups, and the main target sites for attacks.

Then I analyzed the data in relation to India, which includes the most active terrorist organizations as well as the most active cities, and states where the attacks were carried out.

Finally, from 1970 to 2017, I estimated the total casualties, people killed and injured as a result of terrorism, and the results are as follows:
People killed from the year 1970 to 2017 - 4,11,868
People wounded from the year 1970 to 2017 - 5,23,869
Total Casualties from the year 1970 to 2017- 9,35,737

As a result this Data analysis helped in the discovery of hot spots for terrorism, the most active terrorist groups, and which terrorist groups are active in which countries using various visualizations. In India, we also looked at which states and cities had the highest terrorist activity. These observations might assist government security agencies design stronger counter-terrorism strategies and deploying spies in high-risk regions to gather intelligence on terrorist groups' future intentions, thereby preventing large-scale slaughter operations.