**PROJECT SYNOPSIS**

**Project Title: Spotify Data Analysis Using Python**

**Introduction:**  
Spotify is one of the most popular music streaming platforms worldwide, providing a massive library of tracks for millions of users. Understanding the factors that make certain songs or artists more successful can provide valuable insights into the music industry. This project aims to analyze a dataset of Spotify tracks to explore the attributes that contribute to song popularity. Using data analysis techniques, the goal is to help understand trends, patterns, and factors affecting the success of tracks on Spotify.

**Objectives:**

To explore and understand the features of the Spotify dataset.

1. To perform data preprocessing, including handling missing values and outliers.
2. To identify the key factors that affect the popularity of tracks using statistical analysis.
3. To build predictive models that can classify and predict track popularity.
4. To visualize the results and present actionable insights to music producers and the industry.