**THE INVESTIGATION OF CALCULUS AND MUSIC**

# Team Description

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| Role | Name | Skills and Responsibilities |
| Team leader | Mritunjay Kumar |  |
| Member 1 | Suraj Arya |  |
| Member 2 | Varun |  |

# Abstract

## This project explores the intersection of calculus and music, delving into how mathematical concepts underlie musical structure, sound waves, and harmonics. It aims to demonstrate how calculus, through functions, derivatives, and integrals, provides valuable insights into the theory of sound and musical composition. By studying the mathematical representation of music, we can gain a deeper understanding of musical rhythms, frequencies, and harmonies, linking mathematical precision with artistic expression.