METHODOLOGY

Flow diagram of research process:

Study about the dynamic characteristics of overhanging structures

↓

Study about dynamic behavior of composites

↓

Study on factors power spectral density function

↓

Dynamic analysis on folded structures

↓

Dynamic analysis on overhanging structures

↓

Dynamic response including gust and mass properties for composite materials

↓

Simulations on design by using ANSYS 15.0 work bench

↓

Comparisons of theoretical and analyzed calculations

↓

Comparisons of different materials with structural loads

↓

Conclusions & Future scope