



### VISION

*"To excel in the field of technology by creating technocrats with value-based professionalism."*

### MISSION

- *To provide technical expertise to fulfil the needs of the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics..*

## SYAE

Subject Name: 22307

Assignment No 1

Course Outcome: – CO302.1

Questions.

1. Write two Need of advanced materials in automobile sector.
2. State Various types of cast iron and give application of each.
3. Enlist four properties of Magnesium Alloy AZ31 & also give its application.
4. Effect of Nickel ,Chromium,silicon,Molybdenum addition on the properties of steel.
5. Write four properties of ceramic material and give its application in automobile engg.industry.
6. Discuss the properties and application of Ti-6Al-4V Titanium alloy.
7. Describe plain carbon steel with its application.
8. Classify engineering material with example.
9. Describe Thermoplastic with its Properties.

Course coordinator: - Mrs.Priyanka Gurav

Date of Submission :- / /2022